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SPECIAL ISSUE: "G-D'S PHYSICS NEW TWENTY-FIRST CENTURY SCIENTIFIC  
PARADIGM: EMPIRICAL & THEORETICAL  
RAMIFICATIONS"

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$$1 \left[ \begin{array}{c} c^2 \\ h \end{array} \right] \text{UF's } \{\lambda \dots m \dots n\} = \frac{s * e}{t * m}$$

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**SHORT COMMUNICATION: AN URGENT CALL FOR COSMOLOGISTS, ASTRONOMERS & EXPERIMENTAL PHYSICISTS TO VALIDATE THE NEW "G-D'S PHYSICS" 21ST CENTURY PARADIGM'S UNIQUE "CRITICAL PREDICTIONS"**

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**\*Note:** Dr. Bentovish is currently seeking the most appropriate leading Academic Institute to assist him in carrying-out further necessary empirical validation and Theoretical elaboration of his New Twenty-first Century New 'G-d's Physics' Paradigm.

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**ABSTRACT**

Twenty-first Century Theoretical Physics is undergoing a profound "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" ("Computational Unified Field Theory", CUFT) Paradigm, which allows for the resolution of the apparent theoretical inconsistencies that seem to exist between Relativity Theory (RT) and Quantum Mechanics (QM) and also signify a major theoretical breakthrough in Physics capacity to completely integrate between the four basic physical features of "space", "energy", "mass" and "time, as well the Four Forces (Weak, Strong, Electromagnetic & Gravitational); This New 21st Century "G-d's Physics" Paradigm was shown to challenge and revise some of the basic assumption of the Old "Material-Causal" Paradigm including: the "Big-Bang" Model, Einstein's Equations, the assumed "collapse" of the "subatomic target's "probability wave function", and discarding of the (purely hypothetical) "dark-matter" and "dark-energy" concepts as "superfluous" (i.e., non-existent!); It also opens new exciting horizons for further development of Physics, including: the possibility of transcending the "Speed of Light Barrier" and the possibility of "time-reversal" ! However, in order to directly validate this New "G-d's Physics" Paradigm an urgent call is herein made to all Cosmologists, Astronomers and Experimental Physicists in the world to carry out a few unique "Critical Predictions" of this New "G-d's Physics" Paradigm that clearly differentiates it from the corresponding predictions of the Old "Material-Causal" Paradigm of RT & QM, including: a) A "Non-Continuous Accelerated Expansion of the Universe at the Jewish "Rosh-Hashana" (New Year) (NCAEU-JRH); b) Greater number of "Fine-Temporal Measurements" (FTM) of a relatively "more-massive" particle (such as the "Muon") than for a relatively "less-massive" particle (such as the electron) within a subatomic Accelerator setting; Empirical validation of either of these unique "Critical Predictions" of the New "G-d's Physics" Paradigm would substantiate it as the New 21st Century Physics Paradigm, e.g., akin to Eddington's famous validation of Einstein's General Relativity Theory (GRT) as the "New Paradigm" of 20th Century Physics!

**BACKGROUND**

Based on the clear "Paradigmatic-Crisis" of the Old "Material-Causal" Paradigm underlying 20<sup>th</sup> century's Relativity Theory (RT) and Quantum Mechanics (QM) – indicated by the apparent "theoretical inconsistency" between these two "pillars" of the Old Paradigm, and its inability to account for up to 95% of all of the mass and energy in the universe, e.g., assumed to be comprised of "dark-matter" and "dark-energy" but which cannot be detected directly empirically (despite numerous attempts to do so!); and the emergence of the New "G-d's Physics" ("Computational Unified Field Theory", CUFT) Paradigm of 21<sup>st</sup> Century Theoretical Physics as a satisfactory New Paradigm shown capable of resolving this apparent "theoretical inconsistency" between RT & QM, unifying the four basic physical features of "space", "energy", "mass" and "time" based on the discovery of a singular higher-ordered "Universal Computational/

Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe at the incredible rate of " $c^2/h$ " =  $1.36^{50}$  sec" through a novel "Universal Computational Formula":

**Universal Computational Formula (UCF)**

$$\left. \begin{matrix} c^2 \\ - \\ h \end{matrix} \right\} = \frac{s * e}{t * m}$$

UF's {n...n...n}

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through "נ " to "ן") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: " $c^2/h = 1.36^{50}$  sec'!

Science has reached a "pivotal-point" calling for the urgent and immediate empirical validation of the New "G-d's Physics" (CUFT) Paradigm based on one of two "Critical Predictions" that are unique to this New "G-d's Physics" Paradigm which clearly differentiate it from the corresponding predictions of either RT or QM:

### "G-d's Physics" Critical Predictions

#### a) Non-Accelerated Expansion of the Universe at the Jewish "Rosh-Hashana" Time-Interval

According to the New "G-d's Physics" (CUFT) Paradigm, due a specific "Collective Human Consciousness Focus Hypothesis" theoretical postulate, at "special time-intervals" in which there is a "Collective Human Consciousness Focus" upon this singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) – such as at the Jewish "Rosh-Hashana" (two-day) time interval, there exists a "non-continuous" increase in the universe's accelerated rate of expansion! Therefore, the unique "Critical Prediction" of the New "G-d's Physics" (CUFT) Paradigm is that during the next Jewish "Rosh-Hashana" (New Year) two day time-interval taking place between September 7<sup>th</sup> & 8<sup>th</sup> 2021 there will be a significant increase in the universe's observed accelerated rate of expansion – relative to the accelerated rate of expansion of the universe which can be measured prior to September 7<sup>th</sup> & 8<sup>th</sup>, which will continue as the universe's New Increased Accelerated Expansion Rate also after September 7<sup>th</sup> & 8<sup>th</sup>, i.e., for all days of the next Jewish New Year commencing from Sep. 9<sup>th</sup>, 10<sup>th</sup>, etc.! To the extent that this unique Critical Prediction will be validated empirically then this could not be accounted for by the Old "Material-Causal" Paradigm, which predicts a constant accelerated rate of expansion of the physical universe – e.g., unaltered by any "special-time" intervals such as the Jewish "Rosh-Hashana" New Year two-days' time-interval; which would therefore validate the New "G-d's Physics" (CUFT) Paradigm as the New Paradigm for Theoretical Physics for the 21<sup>st</sup> century!

#### b) Greater Number of "Fine-Temporal Measurements" (FTM) of Relatively More-Massive Particles (Muon) Than Less-Massive Particles (Electron)

A second unique prediction of the New "G-d's Physics" (CUFT) Paradigm regards the greater number of "Fine-

Temporal Measurements" (FTM's) for relatively "more-massive" particles such as the "Muon", than for relatively "less-massive" particles such as the (equivalently negatively charged) "electron" – due to "G-d's Physics" new computational definition of "mass" (e.g., as well as of the other three basic physical features of "time", "space" and "energy") stemming from the singular higher-ordered "Universal Computational Principle's" (UCP) computation of the number of "Object-Consistent" presentations of any given particle (or any other object) across a given series of "Universal-Frames" (UF's)! According to this new UCP's computational definition of "mass", it is expected that relatively "more-massive" particles such as the "Muon" (which is approximately 100 times more massive than the "electron" particle) would be detected at a much greater number of UF's frames than would the electron particle! This means that according to the New "G-d's Physics" Paradigm, in a Subatomic Accelerator's FTM's measurements of a minimal time-interval comparing between the number of times that the "Muon" particle would be detected to the number of times that an "electron" particle would be detected (e.g., after controlling for any quantum "measurements biases" controlling for the measurements of particles with differential mass values)! Once again, to the extent that this unique "Critical Prediction" of the New "G-d's Physics" Paradigm would be validated empirically, then this could not be accounted for by either the corresponding predictions of RT or QM – leading to the unequivocal acceptance of the New "G-d's Physics" Paradigm as the New Paradigm of Physics for the Twenty-first century!

*Due to the "Paradigmatic-Crisis" of 21<sup>st</sup> century Theoretical Physics and to the emergence of the New "G-d's Physics" (CUFT) Paradigm as a satisfactory New Paradigm for 21<sup>st</sup> century Physics, an urgent and immediate call is made for all Experimental Physicists, Cosmologists and Astronomers to test these two "Critical Predictions" – equivalent to Eddington's famous empirical validation of Einstein's Relativity Theory "Critical Prediction" (regarding Mercury's Perihelion's double-valued prediction relative to Newton's prediction), which is therefore of paramount scientific (historical) importance!*

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## THE NEW 21<sup>ST</sup> CENTURY'S "SOLAR-ECLIPSE": THE JEWISH "ROSH-HASHANA" VALIDATION OF THE NEW "G-D'S PHYSICS" SCIENTIFIC PARADIGM!

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### ABSTRACT

Twenty-First century Theoretical Physics is undergoing a Major "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying Relativity Theory (RT) and Quantum Mechanics (QM) to the New "G-d's Physics" (Computational Unified Field Theory, CUFT) "A-Causal Computation" Paradigm based on the discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h = 1.36^{-50}$  (sec)!" What characterizes this "Paradigmatic-Shift" follows Kuhn's famous analysis of any scientific discipline's "warning-signals" of a "Paradigmatic-Crisis" wherein the two major "pillars" of the Old "Material-Causal" Paradigm (e.g., RT & QM) seem contradictory of each other, and up to 95% of all the mass and energy in the universe cannot be accounted for empirically (e.g., hypothesized to comprise purely hypothetical "dark-matter" and "dark-energy" concepts)!? The resolution of this apparent "theoretical-inconsistency" characterizing the Old "Material-Causal" Paradigm as well as an alternative explanation discarding "dark-matter" and "dark-energy" as "superfluous" (i.e., non-existent!), alongside the identification of a unique set of "Critical Predictions" differentiating this New "G-d's Physics" Paradigm from the predictions of RT & QM call for an immediate and urgent experimental testing of at least one of these "New 'G-d's Physics' Critical Predictions", e.g., akin to Einstein's famous 1919 Solar Eclipse validation of his Relativity Theory - namely: the "Non-Continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana" New Year (NCAEU-JRH) two-days' time interval by Cosmologists and Astronomers! Empirical verification of this unique NCAEU-JRH Critical Prediction of the New "G-d's Physics" (CUFT) Paradigm would indeed validate this New "G-d's Physics" Paradigm as the New Paradigm for 21<sup>st</sup> century Physics (and Science, more generally)! Amongst the exciting new and profound theoretical ramifications of such empirical validation of the New "G-d's Physics" Paradigm include: its complete unification between RT & QM, complete unification of the four basic physical features of "space", "energy", "mass" and "time", as well as the Four basic Forces of Nature; A complete unification of Physical, Biological, Moral & Spiritual Development as part of "G-d's Physics" discovery of the singular higher-ordered UCP's Ultimate "Goal" of a "Perfected": Moral, Spiritual and even Physical State called "Geula" (in Jewish Tradition) in which the singular higher-ordered Universal Consciousness Reality's "Oneness", "Unity", "Morality", "All-Goodness", "Peace and Harmony" will be realized by Humanity and Science!

### 1. INTRODUCTION: The New "G-D's Physics" Paradigm of Twenty-First Century Physics

Twenty-first Century Theoretical Physics is (no doubt) undergoing a major transition from the Old "Material-Causal" Paradigm towards the New "A-Causal Paradigm" "G-d's Physics" Paradigm; This is due to the fact that the Old "Material-Causal" Paradigm underlying 20<sup>th</sup> Century Physics' Relativity Theory (RT) and Quantum Mechanics (QM) indicates the two primary "symptoms" of an imminent "Paradigmatic-Shift" described by Thomas Kuhn (1962), e.g., the existence of an apparent "theoretical inconsistency" between these two RT & QM "pillars" of the Old "Material-Causal" Paradigm, and the principle inability of this Old

"Material-Causal" Paradigm to account for up to 95% of all the "mass" and "energy" in the universe (termed: "dark-matter" and "dark-energy", but which cannot be observed or verified empirically!) Indeed, according to Kuhn's brilliant analysis of the characteristics of such "Paradigmatic-Shifts", the appearance of these two "symptoms" of an apparent "theoretical inconsistency" between the pillars of the "Old Paradigm" and its inability to account for major observed empirical phenomenon (e.g., such as the accelerated expansion of the physical universe – which is assumed to be "caused" by the existence of purely hypothetical "dark-matter" and "dark-energy" that cannot be verified empirically) call for the discovery of a New Paradigm that can resolve

these apparent theoretical inconsistencies and also explain this unexplained accelerated expansion of the physical universe; Significantly, precisely the same condition existed over 100 years ago – when Einstein discovered his Relativity Theory, since back then there seemed to exist a principle "theoretical inconsistency" between the two "pillars" of Classical Newtonian Mechanics and Maxwell's Electromagnetic Theory, and there existed an equivalent (purely hypothetical) "ether" concept that was assumed to "perfuse" the whole universe, but which could not be detected empirically! This brought Einstein to discovery RT which could resolve the apparent "theoretical inconsistency" between Newtonian Mechanics and Maxwell's Electromagnetic Theory and also identified a particular empirical "Critical Prediction" that was different than the predictions of the Old Newtonian Mechanics' prediction; Therefore, Twenty-first Century Theoretical Physics has reached a "dead-end" situation in which the two pillars of the Old "Material-Causal" Paradigm seem contradictory of each other and this Old "Material-Causal" Paradigm cannot account for  $u$  to 95% of all the "mass" and "energy" in the universe! In contrast, the New "G-d's-Physics" Paradigm (previously termed: the "Computational Unified Field Theory") was shown capable of resolving this apparent "theoretical inconsistency" between RT & QM, offer an alternative theoretical explanation for the accelerated expansion of the universe, and also identified a few unique "Critical Predictions" that can differentiate between the New "G-d's Physics" Paradigm and the predictions of the Old "Material-Causal" Paradigm – that once verified empirically would validate the New "G-d's Physics" Paradigm as the New Paradigm of 21<sup>st</sup> Century Physics! This would be akin (once again) to the empirical verification of Einstein's General Relativity Theory's by Eddington's 1919 Solar Eclipse validation of Mercury's doubled-value Perihelion curvature around the Sun due its predicted curvature of "Space-Time" etc. The major advancement made by the New "G-d's Physics" Paradigm is its discovery of the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel comprising the entire physical universe – at every minimal (consecutive) "time-point", giving rise to an incredibly rapid, (e.g.:  $c^2/h=1.36^{-50}$  sec') series of "Universal Frames" (UF's) comprising the physical universe! Indeed, this new discovery of the simultaneous UCP's computation of all of the exhaustive spatial pixels comprising the entire physical universe at each consecutive UF's frame has brought a "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" "A-Causal Computation" Paradigm!

This is because since according to this New "G-d's Physics" Paradigm the UCP *simultaneously computes* all exhaustive spatial pixels in the universe – for each consecutive UF's frame/s, and since the New "G-d's Physics" Paradigm postulates that the entire physical universe (and all of its comprising exhaustive spatial

pixels) "dissolve" "in-between" any two consecutive UF's frames, therefore according to the New "G-d's Physics" Paradigm there cannot exist any "material-causal" physical interactions between any two (or more) exhaustive spatial pixels existing either within the same- or different UF's frame/s! This profound Paradigmatic-Shift from the Old "Material-Causal" Paradigm to the New "G-d's Physics" "A-Causal Computation" Paradigm entirely changes Physics basic understanding of the entire physical universe – its origination, sustenance, and evolution – towards a "Perfected Moral, Spiritual and even Physical State! The Old "Material-Causal" Paradigm assumed that any phenomenon in the universe, e.g., whether at the relativistic (macroscopic) or quantum (microscopic) scale – can be explained as "caused" by specific "material-causal" physical interactions between particular "x" and "y" elements; Thus, General Relativity Theory assumes that the presence of certain massive objects ("x") "cause" the "curvature of Space-Time" ("y"), and conversely that this "curved Space-Time" "causes" (or determines) the "travelling pathways" of these massive objects (and other less massive objects); Similarly, at the microscopic scale, Quantum Mechanics assumes that it is the direct physical interactions between a subatomic "probe" element and a corresponding subatomic "target" element – which "causes" the "collapse" of the target's (assumed) "probability wave function" into a singular "complimentary" ("energy-space" or "mass-time") value. But, since according to the New "G-d's Physics" Paradigm there cannot exist any such direct "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels found at any single or multiple UF's frames (nor "in-between" any two such consecutive UF's frames in which the entire physical universe "dissolves" back into the singularity of the UCP!), therefore the New "G-d's Physics" A-Causal Computation Paradigm offers an entirely different, new (and exciting) theoretical account of the origin- sustenance- and evolution- of the entire physical universe towards its "Ultimate Perfected (Moral, Spiritual & Physical) State" called "Geula" in the "Jewish-Chassidic" Tradition!

## 2. The New "G-d's Physics" Revolution of Physics Old "Material-Causal" Assumptions

The New "G-d's Physics" Paradigm therefore revises some of the most fundamental "Material-Causal" assumptions underlying the Old "Material-Causal" Paradigm of RT & QM: The physical universe was not created by an initial "Big-Bang" nuclear event – because at no single- or multiple UF's could there be any direct (or even indirect) "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels, since all exhaustive spatial pixels comprising the entire physical universe are computed "simultaneously" by this singular higher-ordered "Universal Computational/ Consciousness Principle" (UCP) for each consecutive UF's frame/s; and moreover, the entire physical universe "dissolves" back into the singularity of this UCP "in-between" any two consecutive UF's frames! So, there

cannot be any "transference" of any "material" – "entity", "element", or "force" "in-between" any two consecutive UF's frames, including the assumed "Big-Bang" creation of the suns, galaxies, planets etc. as "caused" by the supposed initial nuclear event (across a given series of UF's frames)! Likewise, the currently assumed dynamics and evolution of the universe based on Einstein's General Relativity's Equations which assume that the universe's evolution is "caused" by certain "massive objects" curvature of "Space-Time", which in turn is assumed to "cause" (or determine) the "travelling-pathways" of those "massive" (and other "less-massive") objects; This includes the current "material-causal" assumption that there exists a (purely hypothetical) "dark-matter" and "dark-energy" concepts that "cause" the accelerated expansion of the physical universe – which is strictly negated by the New "G-d's Physics" Paradigm's discovery of the singular higher-ordered UCP's simultaneous computation of all exhaustive spatial pixels in the universe (for each consecutive UF's frame/s) that prohibits the possibility of any such direct (or even indirect) physical interactions between any (purely hypothetical) "dark-matter" and "dark-energy" concepts and their assumed "cause and effect" interaction with various galaxies', planets', etc. accelerated expansion rate!/? Likewise, the New "G-d's Physics" Paradigm negates the Old "Material-Causal" Paradigm's Quantum Mechanics' (QM) assumption wherein it is the direct physical interaction between any given subatomic target's probability wave-function and a corresponding subatomic "probe" element – which "causes" the "collapse" of this target's "probability wave function" into a single "complimentary" ("energy-space" or "time-mass") value; Once again, this is negated based on the simultaneity of the UCP's computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s (and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frames)! Interestingly, this major "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying both RT & QM to the New "A-Causal Computation" Paradigm of "G-d's Physics" (CUFT) also undermines, negates and revises the same fundamental "material-causal" assumptions of some of the other scientific sub-disciplines such as Darwin's basic assumed "Natural Selection Principle" assuming that the evolution of the various Biological species was "caused" by a direct physical interaction between given organisms and certain "Environmental Factors" that "cause" the more "compatible organism/s" to "survive" and pass their genetic information to subsequent generations – as opposed to the "less-compatible" organisms extinction (and "failure" to pass their genetic-information to subsequent generations); coupled with the direct physical interaction between certain "cosmic rays" with particular organisms' genetic-information which "causes" their genetic information to undergo "chance-mutations" that enable them to be "more compatible" with a given set of "Environmental-Factors"; But, once again, the New "G-d's Physics" Paradigm of 21<sup>st</sup> century Physics asserts that

it is not possible for any such direct (or even indirect) physical interactions between any given organism and any set of corresponding "Environmental Factors", or between any given organism's constituent genetic material and any cosmic ray/s (e.g., supposedly "causing" an alteration of this genetic material) – simply because the singular higher-ordered Universal Computational/Consciousness Principle (UCP) simultaneously computes all exhaustive spatial pixels in the universe for each consecutive UF's frame thereby negating the very possibility of any such "material-causal" physical relationships! Likewise, the basic assumption of the "Second Law of Thermodynamics", wherein the universe is destined to "dissipate" as the level of "entropy" is assumed to grow with the passage of time in any given Physical System – is once again fundamentally challenged by the New "G-d's Physics" Paradigm because there cannot exist any direct (or even indirect) physical interactions between the level of entropy in one given UF's frame and the level of entropy in any subsequent UF's frame, or between any of the given Physical System's constituting elements, e.g., including between the various elements comprising the entire physical universe – at any single or multiple UF's frame/s!.

Instead, the New "G-d's Physics A-Causal Computation" Paradigm postulates that the entire physical universe – and every exhaustive spatial pixel comprising it is being created- (or computed)- "dissolved"- re-created- and evolved many Billions of times per second simultaneously by the singular higher-ordered UCP! Moreover, according to this New "G-d's Physics" Paradigm, the UCP's (simultaneous) computation of each exhaustive spatial pixel comprising the entire physical universe – for each consecutive UF's frame/s is dependent upon the UCP's intrinsic characteristics that were discovered and termed: the "Ten Laws of Hierarchical Manifestation", which include.

**a) The UCP's Three "Computational Dimensions": Framework, Consistency and Locus**

The first ("lowest") Law of Manifestation is the UCP's three "Computational Dimensions" of "Framework" (frame/object), "Consistency" (consistent/inconsistent) and "Locus" (global/local), which were shown to produce the four basic physical features of "space" and "energy" (i.e., "frame-consistent" or "frame-inconsistent") or "mass" and "time" (e.g., "object-consistent" or "object-inconsistent") computational measures. This means that the UCP's basic computation of the four basic physical features of the physical universe of "space" and "energy", "mass" and "time" are seen to merely represent different computational combinations of the UCP's (UCR's) two Computational Dimensions (Framework and Consistency – with the third "Locus" Computational Dimension qualifying these four basic physical features depending on the particular point of view of the "observer", e.g., from within the

measured phenomenon or from the perspective of the entire UCP's frame etc.).

### b) The UCP's "Universal Computational Formula" (UCF): Complete Integration of Space, Energy, Time & Space

The "second" (ascending) UCP's Law of Manifestation is its "Universal Computational Formula" (UCF) which completely integrates those four basic physical features of "space" and "energy", "mass" and "time" – due to the UCP's simultaneous computation of each of those exhaustive spatial pixel's four basic physical features! We find that due to the fact that the UCP simultaneously computes all of those four basic physical features simultaneously for each exhaustive spatial pixel therefore the UCP's "Universal Computational Formula" (UCF) describes the manner in which these four basic physical features are computed simultaneously (for each exhaustive spatial pixel comprising every consecutive UF's frame/s)! As explained previously, we find that this integrated simultaneous computation of the UCP – of those four basic physical features implies that they are truly not "separate" or "independent" of each other, but rather represent integrated- and (in fact) "complimentary" secondary computational "by-products" of the same singular UCP's computation of every exhaustive spatial pixel (in the universe), in terms of its "Object"/"Frame" – "Consistent"/"Inconsistent" computational measures; As explained previously, for instance, the well-known relativistic "laws" (and relationships), such as between an object's relativistic speed and its increase in "mass" or "dilation of time" – may be easily explained based on the UCP's simultaneous and integrated computation of any given object's (increased) "Object-consistent" ("mass") value and its (decreased) "Object-inconsistent" ("time") value, or between an object's (increased) "Frame-inconsistent" ("energy") value and its (increased) "Object-consistent" ("mass") value; this is due to the fact that the UCP's computational definitions of any give (exhaustive) spatial pixel's "Object-consistent" ("mass") is converse to its computational definition of that spatial pixel's "Object-inconsistent" ("time"), and likewise due to the UCP's computational definition of any given (exhaustive) spatial pixel's "Frame-inconsistent" ("energy") value is necessarily conversely related to its computational definition of that spatial pixel's "Object-consistent" ("time") value, due to certain UCP's computational constraints set on the "maximal degree of displacement" possible of any given object (e.g., in terms of the number of spatial pixels it may be displaced across any two given consecutive UF's frame/s!) Indeed, in this manner the discovery of "G-d's Physics" "Universal Computational Formula's" complete unification of the four basic physical features of "space" and "energy", "mass" and "time" (as "Frame"- "consistent"/"inconsistent" and "Object"-consistent"/"inconsistent" computational measures) has led not only to the unification of key relativistic and quantum features as integral computational aspects of the

UCF, but (perhaps more significantly) also led to a complete unification of space, energy, mass and time as secondary computational integrative aspects of the same unitary singular UCR, including its replication and explanation of key Relativistic and Quantum "law" and relationships such as the "Energy-Mass Equivalence", the "curvature of Space-Time by mass" the "dilation of time" for "relativistic observers" (or for "massive objects") etc. Indeed, one of the recent "striking" new discoveries made through this UCF is its potential accounting for all known (and to be discovered) elementary particles predicted by the Standard Model – as merely representing different computational values embedded within this UCP's "Universal Computational Formula"; as well as unifies between the four basic forces (Weak, Strong, Electromagnetic and Gravitational)! Nevertheless, as pointed out above (and previously), "G-d's Physics" realization of the "Computational Invariance Principle" and especially of the "Universal Consciousness Reality" (UCR) teaches us that none of these "transient-phenomenal" "particles", or "forces" or even four basic physical features (of "space" and "energy", "mass" and "time") may be regarded as "real" continuous "independent" material entities – but are now only seen as transitory manifestations of the singular higher-ordered UCR!

### Universal Computational Formula (UCF).

$$\left. \begin{array}{c} c^2 \\ \text{---} \\ h \end{array} \right\} \text{UF's } \{\aleph \dots \aleph \dots \aleph\} = \frac{s * e}{t * m}$$

(Note: herein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through "מ" to "י") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: " $c^2/h = 1.36^{-50}$  sec"!).

### c) The UCP's Supra Spatial-Temporal Reservoir: Multiple Possible Future/s!

The next "rung" UCP's "Hierarchical-Law of Manifestation" relates to the UCP's computation of all possible "past", "present" and multiple possible "future/s" UF's frame/s which are contained within the UCP's "Multi Spatial-Temporal Reservoir"! Indeed, according to "G-d's Physics" New Paradigm, since there cannot exist any direct (or even indirect) physical

interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different-UF's frames – but rather the UCP simultaneously computes all of these exhaustive spatial pixels comprising each consecutive UF's frame/s; therefore there exists a "bank" of all "past", "present" and multiple possible "future/s" UF's frame/s which are computed by the UCP and stored within it – which in turn are dependent upon still higher "rung" "Hierarchical-Laws of Manifestation", i.e., such as the "Dynamic-Equilibrium Moral Principle"! It is nevertheless noteworthy to mention (at this point) that this UCP's "Supra Spatial-Temporal Reservoir" transcends "space" and "time" – as it includes all "past", "present" and multiple possible "future/s" UF's, and also that it exhibits a "unitary-integrative-singular" Reality which encompasses all past, present and multiple future/s UF's as a singular Reality which is associated and indeed being affected by yet higher "rungs" of the UCP's "Hierarchical Laws of Manifestation"!

#### **d) The UCP's "Dynamic-Equilibrium Moral Principle"**

The next ("higher-up") "Hierarchical Law of Manifestation" is the "Dynamic-Equilibrium Moral Principle" which essentially describes one of the basic intrinsic propensities or characteristics of the "Universal Consciousness Reality" (UCR) which relates to its basic "Unitary-Harmonious" nature; i.e., since there exists only one singular higher-ordered UCP/UCR – which exists both "during" it's (simultaneous) computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s and also solely exists (without the presence of any physical universe) "in-between" any two consecutive UF's frame/s, and since this unitary and singular UCR possesses an intrinsic propensity to encourage all "Individual Human Consciousness" (e.g., human beings) to realize their "inseparability" from this singular higher-ordered "Unitary-Harmonious" UCR; therefore the "Dynamic-Equilibrium Moral Principle" represents the UCP's intrinsic tendency towards "balancing" any "moral-injustice" or "immoral choice" made by any given Individual Human Consciousness towards another Individual Human Consciousness! Metaphorically speaking, in the same manner that a healthy human-being would never use their "right hand" to "inflict pain" upon their "left hand" (because they are part of the same human-being), so does this UCP's "Dynamic-Equilibrium Moral Principle" operates to "teach" and "correct" any given Individual Human Consciousness (e.g., person) who opts to inflict "pain" or "suffering" (G-d forbid) upon another Individual Human Consciousness to not repeat such "immoral-choice/s or action/s" based on its computation of an "equivalent negative (pain/suffering)" experienced by the same Individual Human Consciousness that decided to inflict pain upon another Individual Human Consciousness... This means that to the UCP's "Dynamic-Equilibrium Moral Principle" selects one of the multiple possible "future/s" for each Individual Human Consciousness

based on its "moral/immoral" choice/s and action/s executed towards any other Individual Human Consciousness – in order to "balance" any "immoral choice/action" so that that Individual Human Consciousness that chose (G-d forbid) to inflict pain upon another Individual Human Consciousness would have to "experience" (itself) such a "negative experience" (e.g., of the same degree of "pain"/"suffering" that it inflicted upon the other Individual Human Consciousness). Indeed, as mentioned above (and previously) the "Trampoline-Metaphor" was given wherein if a "metal-bar" was placed on the elastic sheath of a Trampoline such that it "connects" two points (equivalent to two Individual Human Consciousness), and to the extent that one of these two points "chose" to "push and press hard" the metal-bar against the other point – then this would inevitably lead to the other point automatically "pushing back" the metal bar against the "first-point" (which would be a representation of the Dynamic-Equilibrium Moral Principle's "balancing" of any "immoral-choice" made by one Individual Human Consciousness against another Individual Human Consciousness that "automatically" sets in motion the UCR's "balancing" and "teaching" that "inflicting-pain" Individual Human Consciousness having to experience the same "degree" of "pain/suffering" that it inflicted upon the other Individual Human Consciousness)... We therefore see that the selection of one of multiple possible "future/s" UF's for each Individual Human Consciousness is carried out by the UCR – based on the "moral/immoral choice/s" executed by any Individual Human Consciousness at any given point in time towards any other Individual Human Consciousness! (Obviously, such "incomprehensible", "infinite" Intelligence implied by this UCR's "infinite" capacity to compute and "balance" all of the almost either Billion Individual Human Consciousness towards any other Individual Human Consciousness at any past, present or indeed future/s time/s – may invoke a sense of "wonderment", "awe" and even "reverence" towards this UCR's "Infinite Intelligence" and also its basic "All-Goodness" propensity to "teach" and "harmonize" all Individual Human Consciousness to "respect" and regard any other Individual Human Consciousness as "inseparable" from the same singular higher-ordered "Universal Consciousness Reality"...).

#### **e) The UCP's "Expansion of Consciousness" (Inanimate & Animate) Hypothesis.**

But, even beyond the UCP's "Dynamic-Equilibrium Moral Principle", which computes one of multiple possible "future/s" UF's frame/s for each Individual Human Consciousness based on each Individual Human Consciousness' "selection" of "moral/immoral choice/s" at each point in time, there exists a more general tendency of the UCP to express ever more "expansive" forms of Consciousness – i.e., from the inanimate forms of "matter" (e.g., including all relativistic and quantum subatomic "particle/s" or "wave", the Four Forces of Nature etc.) through animate: plants, animals and leading

up to human-beings (which manifests the most "expansive" form of Consciousness! Even within this most advanced and "Expansive" form of Individual Human Consciousness (e.g., human-beings) there exists a further "Expanded form of Human Consciousness" – in which the Individual Human Consciousness is "inseparable" from the Universal Consciousness Principle (UCP or UCR), which was previously outlined; In this "expanded" form of Individual Human Consciousness the "expanded Human Consciousness" functions in a manner which is equivalent to the functioning of the UCR (e.g., in some respects, at least) – which implies that such "Expanded Individual Human Consciousness" can cognize- know- and even affect- any exhaustive spatial pixel/s in the universe (simultaneously and pertaining to any "past", present" or multiple possible "future/s" UF's frames)! Indeed, as previously outlined this "Expansion of Consciousness" hypothesis implies that there does not exist any real "separation" between the UCP's "driving" of the evolution of Inanimate forms (e.g., relativistic or quantum – including the accelerated expansion of the universe and all Four Forces, basic particles etc.) towards its more expansive expression of animate forms – including the whole presentation of ever more conscious forms of animate: plants, animals and human-beings and up to the most "expanded form of Individual Human Consciousness! Hence, for the first time, Science's New "G-d's Physics" 21<sup>st</sup> Century Paradigm "bridges the (apparent) gap" between its various sub-disciplines of Physics, Biology and Psychology etc., as comprising one fully integrated process allowing the UCP to express ever more "conscious" and "expansive" forms of manifestation!

**f) The UCP's "Collective Human Consciousness Focus Hypothesis" & Jewish "Rosh-Hashana" (New Year) Non-Continuous Accelerated Expansion Rate Prediction.**

The next higher-up "rung" of the Hierarchical Laws of Manifestation is the "Collective Human Consciousness Focus" (hypothesis) which essentially points out that there exists a close connection between a state in which a multitude group of Individual Human Consciousness all focus collectively upon the singular higher-ordered UCP/UCR – in prayer to be "connected" or receive "plentitude" from this singular higher-ordered UCP/UCR, which brings about a "Blessing" or "Plentitude", "Life", "Growth", "Goodness" from this singular higher-ordered UCP/UCR! This "Collective Human Consciousness Focus Hypothesis" explains in what manner this singular higher ordered UCR bestow "Growth", "Expansion", "Life" or "Goodness" upon all of Humanity, and even towards the accelerated expansion of the physical universe! In other words, beyond the previous "Dynamic-Equilibrium Moral Principle's" account of the UCP/UCR's selection of one of multiple possible "future/s" UF's frame/s for each Individual Human Consciousness – in order to "balance" and "teach" each such Individual Human Consciousness to recognize it's inherent "oneness" and "unitary-

harmony" with all other Individual Human Consciousness based on their common "inseparability" from this singular higher-ordered UCR and its intrinsic basic "Moral Principle"; Beyond that there arises the question – what may "drive" the UCR's singular higher-ordered Reality to evolve the entire universe and particularly our own Human World and lives and continuously bestow "Life", "Health", "Sustenance", "Goodness" to continue to sustain and evolve our physical existence and needs (material and spiritual etc.), as well as sustain and evolve the whole of Life, the various Suns, Galaxies and Universe at large?! Once again, we must remember that according to the New "G-d's Physics" Paradigm, we cannot (any longer) look towards any "material-causal" direct or indirect physical interactions between any two (or more) exhaustive spatial pixels, but rather must look at these higher-ordered "Hierarchical Laws of Manifestation" in order to be able to understand and "explain" the UCR's continuous computation- "dissolution" and evolution of every exhaustive spatial pixel comprising every consecutive UF's frame/s! Indeed, according to this "Collective Human Consciousness Focus Hypothesis" and associated Jewish "Rosh-Hashana" (New Year) "Non-Continuous Accelerated Expansion of the Universe" one of the "reason/s" for the singular higher-ordered UCR's continuous computation- sustenance- and evolution- of the entire physical universe is anchored in- or related to- a State of "Collective Human Consciousness Focus" towards this singular higher-ordered UCR, in which many millions of Individual Human Consciousness direct their focus and Consciousness collectively towards this UCR and pray for the bestowal of "Goodness, "Life", "Happiness" etc.!

Indeed, according to one of the unique "Critical Predictions" differentiating the new "G-d's Physics" from the Old "Material-Causal" Paradigm is this particular prediction wherein there will be a "Non-Continuous Accelerated Expansion Rate" at the Jewish Rosh-Hashana (New Year) time-interval wherein the accelerated rate of the universe's expansion rate – observed in each Jewish Year prior to the "Rosh-Hashana" (New Year) will increase in a non-continuous rate ("leap") at the special "two-day" time interval of the New Rosh-Hashana time (and continue at this increased accelerated rate throughout the New Jewish Year) – due to the abovementioned "Collective Human Consciousness Focus Hypothesis", wherein Millions of Jews all over the world pray at this time to the singular higher-ordered UCR, "G-d" for providing them and the world with Life, Health, Growth etc.!

**g) The UCP's "Reversed-Time Goal Hypothesis" ("Geula")**

Indeed, the discovery of the UCP's "Non-continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana" special "time-interval" and the UCP's basic "Good-Will" propensity to bestow "Life", "Health", "Happiness", "Fulfilment" is closely related to the UCP's

basic "Goal" in creating- sustaining- and evolving the entire physical universe, the "Expansion of Consciousness" (e.g., including the development of inanimate, animate" plants, animals, human-beings) – all "designed" and "planed" to culminate in the leading up to another "higher" "Hierarchical Law of Manifestation" of the UCP which is called: the UCP's "Reversed-Time Goal (Geula) Hypothesis"! According to this "Reversed-Time Goal Hypothesis (Geula), the UCP's entire series of UF's frames – from the beginning of the manifestation of the inanimate physical universe through its various expressions of ever more expansive forms of animate: plants, animals and human-beings etc. – is all planned and designed initially to lead to the universe's "Perfected Geula" State: Physically, Morally and Spiritually! Indeed, as outlined previously, this Perfected State of "Geula" (e.g., a term signifying complete "Redemption" and "Perfection" in the Jewish Tradition) represents a state of the world in which there exists complete "harmony", "peace", and a basic recognition and gratitude of human-beings towards the basic underlying singular "All-Goodness" "UCR, i.e., "G-d" Reality which continuously sustains and evolves all of Life and the entire universe; Tis state is also typified by the lack of any "violence" or "aggression, the abolishment of "death" and complete peace, harmony and a deep sense of gratitude and appreciation, prayer and studying of this singular higher-ordered Universal Consciousness Reality, "G-d"!

#### **h) The UCP's "Good-Will" Hypothesis**

The next "higher-up" "Hierarchical-Law of Manifestation" is the basic intrinsic propensity of this singular higher-ordered UCP/UCR of "Good-Will" (hypothesis) which characterizes the UCP's basic "drive" to bestow "Goodness", "Life", "Growth" towards all of Life! This basic "Good-Will" propensity of the singular higher-ordered UCR manifests in its basic sustenance and Life-Giving force to create Life, sustain all of Life, fulfill the basic needs and beyond that create ever more "expansive" opportunities for Life in general and human-beings (in particular) to grow and evolve, to fulfil their full potential and to expand their Moral and Spiritual awareness towards appreciating the Oneness and Singularity of this Universal Consciousness Reality.

#### **i) The UCP's "Free-Will" Hypothesis**

Above and beyond all of these UCP's various "Hierarchical Laws of Manifestation" the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics and Science postulates that there exists the most basic "Free-Will" of the UCP – unbound by any "limits" of its creation of the physical universe and all of its various inanimate and animate forms, unaffected by any of the multifarious manifestations of the universe and which transcends even its own "ultimate Goal of Geula"! This entirely "Free-Will" origin of the UCP, nevertheless "cares" about the "Goodness" of Human-beings and all of Life; this is also where the Jewish concept of an unlimited "Compassion and Forgiveness" (e.g., Thirteen

Propensities of Mercy") of this UCP manifests and where the basic Jewish concept of "Teshuva" – the ability to ask for "forgiveness" from this singular UCR, "G-d" and to make a "sincere conscious decision" to "not repeat any immoral actions" is made possible (which was also shown to be capable of "altering" and indeed "avoiding" any of the negative possible "multiple future/s" instigated by any Individual Human Consciousness selection of any "immoral action/s", G-d forbid)!

So, we reach the inevitable conclusion that the physical universe does not exist as an "independent" "material-causal" entity; it was not created by an initial "Big-Bang" nuclear event; nor is it governed by mere "material-causal" physical interactions between certain "massive objects" and their (assumed "causal") "curvature of "Space-Time"; nor is it's accelerated rate of expansion "caused" by purely hypothetical "dark-matter" or "dark-energy" concepts; Nor its subatomic realm determined based on direct (or even indirect) physical interactions between any given subatomic "probe" and corresponding "target's probability wave function" entities – which is assumed to "cause" the "collapse" of these "target's probability wave function" into single ("complimentary" space-energy or time-mass) single value!/? Nor can we explain the behavior of the "Four (basically assumed) Forces" (e.g., Strong, Weak, Electromagnetic and Gravitational) based on any direct physical interaction/s between particular rudimentary subatomic particles (as the Standard Model assumes)!/? Instead, the New "G-d's Physics" "A-Causal Computation" Paradigm discovered the existence of a singular higher-ordered "Universal Computational Principle" – later on revealed to constitute a "Universal Consciousness Reality" (UCR) which simultaneously computes all exhaustive spatial pixels in the universe for every consecutive UF's frame/s at the incredible rate of " $c^2/h$ " =  $1.36^{50}$  sec"! Moreover, the New "G-d's Physics" Paradigm's discovery of the existence of the singular higher-ordered UCR which exists continuously and constantly – both "during" its (simultaneous) computation of every consecutive UF's frame/s and also solely exists (without the presence of any physical universe) "in-between" any two such consecutive UF's frames has led to a profound fundamental Paradigmatic-Shift in our basic understanding of the nature, origin, dynamics and evolution of the entire physical cosmos! This is because the basic realization that the physical universe does not exist (any longer) as an "independent material" entity – but only as a "transient-phenomenal" manifestation of the singular continuous and "real" and "permanent" underlying "Universal Consciousness Reality" – which is governed based on its own intrinsic "Ten Laws of Hierarchical Manifestation" transforms the whole of Science and our basic understanding of the physical universe!

### 3. Kuhn's & Einstein's Calling for Empirical Validation of the New "G-d's Physics" "Critical Prediction": Non-Continuous Expansion at Jewish "Rosh-Hashana"!

So, we now reach a pivotal and critical point along the evolution of Science and Theoretical Physics (more specifically) – based on the acceptable "norms" and "guidelines" set by Thomas Kuhn (1962) analysis of "Paradigmatic Shifts" and Einstein's well-known validation of his General Relativity Theory – which directly call for empirical validation of one of the "Critical Predictions" of the New "G-d's Physics" Paradigm; namely: the "Non-Continuous Accelerated Expansion of the Universe" (NCAEU) at the Jewish "Rosh-Hashana" special two-days' time-interval! As previously described, contrary to the Old "Material-Causal" Paradigm's assumption wherein the accelerated expansion of the physical universe is "caused" by the (purely hypothetical) "dark-matter" and "dark-energy" concepts – which was (principally) negated by the New "G-d's Physics" insistence upon the *simultaneity* of the UCP's computation of all exhaustive spatial pixels in the universe, and empirically rejected due to the experimental inability to directly "detect" any such "dark-matter" or "dark-energy" elements; the New "G-d's Physics" Paradigm postulates that the accelerated expansion of the universe arises from the accelerated addition of the number of exhaustive spatial pixels by the singular higher-ordered UCP to each consecutive UF's frame/s!; But, more specifically, one of the unique "Critical Predictions" of this New "G-d's Physics" Paradigm, e.g., clearly differentiating it from the (corresponding) predictions of the Old "Material-Causal" Paradigm – is that due to its "Collective Human Consciousness Focus Hypothesis" theoretical postulate during the special two-days' time interval of the Jewish "Rosh-Hashana" New Year (in which Millions of Jews focus collectively upon this singular higher-ordered UCP) there is a "non-continuous" increase in the rate of the UCP's accelerated rate of the universe's expansion! This is due (once again) to "G-d's Physics" newly discovered "Collective Human Consciousness Focus Hypothesis" (CHCFH) which simply assumes that the collective focus of the Millions of Jews' consciousness upon this singular higher-ordered Universal Computational/Consciousness Principle (UCP) brings about the UCP's "non-continuous" increase in its rate of accelerated expansion of the physical universe!

It is important to note that to the extent that such a "non-continuous" increase in the empirically observed rate of the universe's acceleration expansion – would indeed be validate during the upcoming two days' interval of the Jewish New Year "Rosh-Hashana", i.e., at Sep. 7<sup>th</sup> & 8<sup>th</sup>, 2021, which will carry through the entire subsequent Jewish Year; then this validation of one of the "Critical Predictions" of the New "G-d's Physics" Paradigm could not be explained by either RT or QM, and would therefore validate "G-d's Physics" as the new appropriate, more "expansive" Paradigm of Twenty-First

century Theoretical Physics! This is because according to the Old "Material-Causal" Paradigm underlying RT (and QM) the accelerated rate of the universe's expansion may only be "caused" by the (purely hypothetical) "dark-matter" and "dark-energy" concepts – and in any event remains "constant" but could not be increased in a "non-continuous" rate, e.g., due to the "Collective Human Consciousness Focus" of Millions of Jews around the world during the Jewish "Rosh-Hashana" two days' special time-interval?! In this regard, the prospective empirical validation of this New "G-d's Physics" Critical Prediction" of the "Non-Continuous Accelerated Expansion of the Universe" at the Jewish Rosh-Hashana" (NCAEU-JRH) time interval (e.g., carried out through the entire next Jewish Year) is indeed equivalent to the previous Scientific "Paradigmatic-Shift" that transpired with Eddington's (famous) validation of Einstein's General Relativity Theory's (GRT) "critical prediction" regarding the double-valued curvature of Mercury's perihelion pathway around the Sun – observed during the 1919 Solar-Eclipse, as opposed to Newton's Older "Classical Mechanics" corresponding prediction! Once Eddington's 1919 Solar Eclipse's empirical results verified Einstein's GRT's "doubled-valued" Mercury's perihelion's pathway, Einstein's GRT was accepted as the New 20<sup>th</sup> century Paradigm – with Newtonian Mechanics being recognized as a "special-case" within the broader (more "exhaustive") representation of the physical reality! Indeed, as published and presented expensively across over 50 peer-reviewed scientific articles and as the Keynote Opening Lecture of multiple International Physics Conferences, the New "G-d's Physics" (CUFT) Paradigm was shown capable of resolving the apparent basic "theoretical inconsistencies" that exist between the two primary "pillars" of the Old "Material-Causal" Paradigm, namely: RT & QM; offer an alternative theoretical explanation for the major unresolved phenomenon by this Old "Material-Causal" Paradigm, e.g., of the accelerated expansion of the physical universe – assumed to be "caused" by the (purely hypothetical) "dark-matter" and "dark-energy" concepts which failed to be detected empirically (despite numerous attempts to do so!); effectively negating the existence of "dark-matter" ad "dark-energy" (which is equivalent to Einstein's rejection and "cancellation" of the purely hypothetical concept of the "ether" which was key for the Older "Newtonian-Mechanics" but could also similarly not be detected experimentally!); and identify a few unique "Critical-Predictions" of the New "G-d's Physics" (CUFT) Paradigm – including this NCAC-JRH Critical Prediction, which clearly differentiate it from the Old "Material-Causal" Paradigm of both RT & QM!

Indeed, as analyzed by Thomas Kuhn's (famous) description of the basic underlying dynamics and evolution of any given Scientific discipline, which is characterized by the alteration between phases of "Standard Science" in which a given Scientific discipline operates based on a known "Standard Paradigm" and necessary phases of a "Paradigmatic-Shift" towards a

"New Paradigm" – which can explain apparent "theoretical inconsistencies" that seem to exist in the Old "Standard Paradigm" and also offer alternative satisfactory theoretical explanations for otherwise "unresolved" empirical phenomenon (by the Old "Standard Paradigm"); incorporate this Old "Standard Paradigm" within the New Paradigm – as a "special-case" within a broader theoretical understanding; and identify unique "Critical Prediction/s" of the "New Paradigm" that clearly differentiate it from the Old Paradigm's corresponding predictions; and as executed and demonstrated by Einstein's abovementioned Eddington's empirical verification of his GRT's "critical prediction" associated with Mercury's (doubled-value) perihelion's pathway around the Sun; we realize that 21<sup>st</sup> century's Theoretical Physics (and Science more generally) has reached a "pivotal turning-point" verifying the "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm of RT & QM to the New "G-d's Physics" (CUFT) Paradigm – which can- and indeed must- be validated empirically during the upcoming Jewish "Rosh-Hashana" special (two-days) time-interval by various Cosmologists, Astronomers etc., e.g., alongside the call for other Experimental Subatomic Accelerators' Physicists to verify and validate some of the other "Critical Predictions" of this New "G-d's Physics" Paradigm!

As stated (and called for) previously, another "Critical-Prediction" of the New "G-d's Physics" Paradigm regards the greater number of "Fine-Temporal Measurements" (FTM) of relatively "more-massive" subatomic particles such as the "Muon" relative to the number of FTM's of a relatively "less-massive" equivalent (negatively charged) electron particle – i.e., due to the new "G-ds Physics" computational definition of any given subatomic particle (or any other relativistic object) as the number of "Object-Consistent" computation across given number of Universal Frames (UF's)! Hence, contrary to the Old "Material-Causal" conception of the "mass" of any subatomic particle as determined by QM's Heisenberg's "Uncertainty Principle" complimentary pairs (e.g., "mass" and "time") accuracy measurement constraint, or by RT's conception of the "mass" of any given relativistic object as dependent upon that object's relativistic velocity; according to the New "G-d's Physics" (CUFT) Paradigm, the "mass" of any given relativistic or quantum object is computed solely by the singular, higher-ordered UCP as the number of "Object-Consistent" presentations of this given object across a given series of UF's frames! This means that a relatively "more-massive" subatomic particle (such as the "Muon") would be measured across a greater number of UF's frames than relatively "less-massive" particles (such as the "electron")! However, due to the current constraints of the minimal temporal measurement possibility of the existing Subatomic Accelerators – which cannot measure the incredible rate of the UCP's computation of each consecutive UF's frame/s, i.e.,  $c^2/h = 1.36^{-50}$  (sec)! an alternative FTM's sampling of a certain number of the

UCP's Universal-Frames (UF's) can be experimentally measured – which would allow for the comparison of the number of FTM's in which the relatively "more-massive" Muon particle would be detected as compared to the number of equivalent FTM's in which the electron would be detected, thereby validating the unique "Critical Prediction" of the New "G-d's Physics" Paradigm predicting the greater number of FTM's for the "more massive" Muon than the "less-massive" electron particle! Once again, to the extent that such empirical testing in Subatomic Accelerators would validate that indeed the "more-massive" Muon would be detected across a greater number of FTM's than the "less-massive" electron particle, then this would unequivocally validate the New "G-d's Physics" (CUFT) Paradigm as the new 21<sup>st</sup> century (satisfactory) Paradigm – which includes the Older "Material-Causal" Paradigm as a "special-case" within the New "G-d's Physics" Universal Computational Formula" (UCF), described above and previously!

#### 4. Theoretical Ramifications of the New "G-d's Physics" Paradigm: A New UCP-Based Universe & Science!

Indeed, to the extent that the New "G-d's Physics" Paradigm is validated experimentally, e.g., through either the current article's call for Cosmologist and Astronomers to verify its Critical Prediction of the Jewish New Year "Rosh-Hashana" two days' time interval measurement of a "Non-Continuous Accelerated Expansion of the Universe", or through the previously called for "Critical-Prediction" of the greater number of FTM's detection of relatively "more massive" particles (such as the Muon) than for the relatively "less-massive" (electron) particle; then Twenty-First century Theoretical Physics – and indeed, Science at large, would undergo a profound "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying RT & QM to the New "G-d's Physics" (CUFT) "A-Causal Computation" Paradigm, which would result in the discovery and recognition of a "New Universe" and a "New Science"! This is because contrary to the Old "Material-Causal" Paradigm's conception of the physical universe as "created" or "caused" by an initial "Big-Bang" nuclear event, the New "G-d's Physics" Paradigm portrays the entire physical universe as being continuously computed- "dissolved"-re-computed- and evolved- solely by this singular higher-ordered Universal Computational/Consciousness Principle (UCP) – which is not "bound" or "constrained" by any "material-causal" (or in fact any other material "laws" or "constraints")! Instead, the New "G-d's Physics" discovery of the singular higher-ordered UCP's operation is based upon its "intrinsic" "Ten Laws of Hierarchical Manifestation" (described above and previously) – e.g., so that the UCP's computation of each consecutive UF's frame/s is not dictated by any "material-causal" quantum or relativistic physical relationship/s or even "laws"; but is rather the result of the UCP's sole (and simultaneous) computation of each exhaustive spatial pixel in the universe (for each UF's frame/s)! Thus, for instance, the UCP's computation of

any given single- or multiple- UF's frame/s is realized as computed by the singular UCP based, for instance, on its (abovementioned) "Dynamic-Equilibrium" Moral Principle which strives to "balance" any "moral-imbalance" created by any given Individual Human Consciousness which afflicts "pain" or "suffering" upon any other Individual Human Consciousness (due to the basic underlying "Unity", "Peace" and "Harmony" characterizing this sole and singular UCP reality) – which therefore selects one of multiple possible future/s for each Individual Human Consciousness (individual) based on his/her "moral" or "immoral" choice/s at any given time.

Therefore, the evolution of the physical universe is not the result of chance "material-causal" relativistic or quantum relationships, but is rather explained by the UCP's Ten-Laws of Hierarchical Manifestation (of which the Dynamic-Equilibrium Moral Principle is one of them); Indeed, the discovery of the New "G-d's Physics" Paradigm's singular higher-ordered UCP – alongside the various theoretical postulates of this New "G-d's Physics" Paradigm (outlined and delineated in over 50 peer-reviewed scientific articles, Special Issues and Keynote Opening Lectures of International Physics Conferences) "opens-up" for 21<sup>st</sup> century Theoretical Physics and Science (more generally) an entirely new perspective and understanding of the physical universe, and revises our basic understanding of the various Scientific subdisciplines; This is because based on "G-d's Physics" "Computational Invariance Principle" and associated "Universal Consciousness Reality" (UCR) theoretical postulates which assert that since only the "Universal Computational/Consciousness Principle" (UCP) is "computationally-invariant", e.g., exist constantly and continuously – both "during" its sole (simultaneous) computation of every exhaustive spatial pixel in the universe for each consecutive UF's frame/s and also solely existence (without the presence of any physical universe) "in-between" any two consecutive UF's frame/s; whereas the four basic physical features of "space", "energy", "mass" and "time" comprising every exhaustive spatial pixel in the universe exist only "during" each consecutive UF's frame/s and are solely computed by the singular higher-ordered UCP, but "dissolve" back into the singularity of the UCP "in-between" any two consecutive UF's frames, hence regarded as "computationally-variant", e.g., existing only "transiently" and "phenomenally"; Therefore the "Computational Invariance Principle" and the "Universal Consciousness Reality" (UCR) theoretical postulates assert that the four basic physical features comprising every exhaustive spatial pixel in the universe may only be regarded as a "transient", "phenomenal" manifestation of the singular "Universal Consciousness Reality" which exists singularly "in-between" any two consecutive UF's frame/s and manifests also as the entire physical universe "during" its computation of each consecutive UF's frame/s! In other words, the physical universe does not exist as an "independent" "material entity" that exists

continuously by itself – but is rather viewed as a "transient-phenomenal" manifestation of the sole and singular higher-ordered "Universal Consciousness Reality", which constitutes the only "real-continuous" reality!.

What ensues from this New Twenty-First century "G-d's Physics" (CUFT) Paradigm's discovery of the singular and sole reality of the Universal Consciousness Reality is that Science's analysis and description of the various Scientific disciplines and phenomenon must be revised according to this amazing new realization that the universe is but a manifestation of this singular UCR (or UCP)- with all of its associated "Ten Laws of Hierarchical Manifestation"; The entire physical universe is being computed- "dissolved"- re-computed- and evolved many Billions of times per second (e.g., " $c^2/h = 1.36^{50}$  sec")!, and therefore there cannot exist any "material-causal" physical relationships existing either within the various UF's frames, or "in-between" them; Rather the continuous creation of the universe by this singular higher-ordered UCR, "dissolution", re-creation and evolution of every exhaustive spatial pixel in the universe is "driven" by the UCP/UCR's "Ten Hierarchical-Laws of Manifestation" which generally point at the UCP/UCR's Ultimate Goal of manifesting ever more "expansive" forms of this Universal Consciousness – which ascend from the relatively more "confined" forms of "inanimate matter", through "animate": "plants", "animals" "human-beings" and leading up to the Ultimate Goal of the UCP/UCR of manifesting a "Perfected": Spiritual, Moral and even Physical Human State of "Geula" in which the "Singularity of this UCR" : Its "Oneness", "Unity", "Harmony", "Peace" and "All-Goodness" characteristics will be realized by the whole of Humanity and Science! Therefore, this New "G-d's Physics" Paradigm completely unifies not only between Physics Old "Material-Causal" Paradigm's two (apparently "inconsistent") pillars of Relativity Theory and Quantum Mechanics, as well as between the four basic physical features of "space" and "energy", "mass" and "time" (as well as between the four basic Forces: Strong and Weak Nuclear forces, Electromagnetic force and Gravitational force) – all based on the discovery of the new "Universal Computational Formula"; More generally, the New "G-d's Physics" Paradigm also integrates between the various subdisciplines of Science, including between Physics, Biology, Evolution, Medicine, Psychology etc. – since they all represent "integrated-complimentary" facets of this singular higher-ordered UCR's driving of the entire physical universe, Humanity and Science towards its Ultimate "Geula" Perfected State! Once we realize that the origination of the entire physical universe – as well as the origination and development of all Biological forms (on our Planet) was not created "arbitrarily" (e.g., by an initially assumed "Big-Bang" nuclear event or through an "arbitrary" "Natural-Selection Process"), but is rather being continuously computed- "dissolved", re-computed and evolved by the

sole and singular "Universal Consciousness Reality" – towards manifesting ever more "expansive" forms of this UCR, e.g., from "inanimate" matter through "animate": plants, animals, human-beings and up to Humanity's and Science's realization of the Perfected "Geula" State in which there is a recognition of the singularity of this UCR and a recognition of the Moral Principle, Unity and Oneness of all of Humanity (and in fact of all of creation) with this singular higher-ordered UCR; then this leads us to view the universe in an entirely new and "awe-inspiring" perspective: we become "conscious", "moral" and "perfected" partners in the UCR's driving of the universe towards its "Perfected Geula" State (thus termed in the Jewish Tradition).

May this New "G-d's Physics" Paradigm of 21<sup>st</sup> century Theoretical Physics and Science be validated empirically – during this upcoming Jewish "Rosh-Hashana" New Year two days' interval, and may Science and Humanity begin realizing and investigating this profound new Truth regarding our inseparability and Oneness with this "Awe-Inspiring", "All-Goodness", "Moral" and "Peaceful" singular higher-ordered "Universal Consciousness Reality"!

*Just as the Great Jewish Philosopher and Leader, Maimonides prophesized that: "at that time there will be no wars or hunger... material abundance will be found everywhere... and Humanity's sole occupation would be to discover and realize this Singular Higher Power's Nature and Reality".*

#### Dedication

This article is dedicated to the Great Lubavitcher Rabi whose presence is felt even stronger during this special day (Gimel Tamuz) – and whose Great Vision and Life's Mission was to bring Humanity to its Ultimate "Geula State"! It is also dedicated to my dear beloved Mother, Dr. Tirzah Bentwich (Bat Yitzchak) whose faith in me have allowed me to discover this profound Scientific "G-d's Physics" Paradigm for Twenty-First century Physics, and to my dear beloved wife, Shulamit (Shuli) Bentovish whose love and support make all the difference in my life!.

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## EMPIRICAL VALIDATION OF THE NEW "G-D'S PHYSICS" (CUFT'S) TWENTY-FIRST CENTURY PARADIGM!

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\*Note: Dr. Bentovish is currently seeking the most appropriate leading Academic Institute to assist him in carrying-out further necessary empirical validation and Theoretical elaboration of his New Twenty-first Century New 'G-d's Physics' Paradigm.

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### ABSTRACT

Twenty-First Century Theoretical Physics is undergoing a profound "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying Relativity Theory (RT) & Quantum Mechanics" (QM) to the New "G-d's Physics" (Computational Unified Field Theory) "A-Causal Computation" Paradigm; This is due to the "Paradigmatic-Crisis" of the Old "Material-Causal" Paradigm which stems from the apparent "theoretical-inconsistency" that seems to exist between RT & QM and its inability to account for up to 95% of all the mass and energy in the universe termed: "dark-matter" and "dark-energy" but which cannot be detected empirically! In contrast, the discovery of the New "G-d's Physics" Paradigm's singular, higher-ordered "Universal Computational/Consciousness Principle" (UCP) which is postulated to simultaneously compute every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{-50}$  (sec<sup>-1</sup>)" was shown to resolve the apparent theoretical inconsistencies found between RT & QM, discard "dark-matter" and "dark-energy" as "superfluous" (i.e., "non-existent") and challenge some of the major old "material-causal" assumptions including the "Big-Bang" Model, Einstein's Equations, the "collapse of the probability wave-function" as "caused" by the direct physical interactions between the subatomic "probe" and "target's assumed probability wave function" etc. In contrast, the New "G-d's Physics" Paradigm was shown capable of unifying between the Four basic Forces of Nature, unify the four basic physical features of "space" and "energy", "mass" and "time" and open very significant new possibilities for the advancement of Physics (and Science more generally); In order to directly validate the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Physics, what's necessary is to empirically test two unique "Critical Predictions" of this New "G-d's Physics" Paradigm that clearly differentiate it from the corresponding predictions of the Old "Material-Causal" Paradigm, including: a) A "Non-Continuous Accelerated Expansion of the Universe at the Jewish Rosh Hashana" New Year (NCAEU-JRH) due to "G-d's Physics" New Paradigm's "Collective Human Consciousness Focus Hypothesis" of Millions of Jews focusing on this singular higher-ordered "Universal Consciousness Principle" (UCP) during the two-days "Rosh-Hashana" time-interval; b) Greater number of "Fine-Temporal Measurements" (FTM) for relatively "more-massive" particles (such as the "Muon") than for relatively "less massive" particles (such as the electron) due to the UCP's new computational definition of "mass" as the number of "Object-Consistent" presentations of any given particle (or object) across a series of Universal Frames (UF's) comprising the entire physical universe at every minimal time-point (" $c^2/h = 1.36^{-50}$  sec<sup>-1</sup>)! Empirical validation of either of those "Critical-Predictions" of the New "G-d's Physics" Paradigm would lead to the acceptance of this New "G-d's Physics" Paradigm as the New acceptable Paradigm for 21<sup>st</sup> century Theoretical Physics!

### 1. Introduction: The New "G-d's Physics" Paradigmatic Shift

Twenty-first Century Theoretical Physics has reached a "Paradigmatic-Crisis" as clearly defined by Thomas Kuhn (1962) due to the fulfillment of a few troubling indications regarding: a) the apparent "theoretical inconsistency" between the two "pillars" of the Old "Material-Causal" Paradigm underlying both Relativity Theory and Quantum Mechanics; b) an inability to adequately explain a series of empirically validated phenomenon such as the accelerated expansion of the universe – which is "explained" through the Old

Material-Causal Model's purely hypothetical concepts of "dark-matter" and "dark-energy" that could not be detected experimentally and are still assumed to account for up to 95% of all of the mass and energy in the universe?! c) the emergence of a New "G-d's Physics" (also previously termed: the "Computational Unified Field Theory", "CUFT") which was shown capable of resolving this apparent "theoretical inconsistency" between RT & QM, as well as offer an alternative (testable) explanation for the accelerated expansion of the physical universe, thereby negating the existence of the purely hypothetical "dark-matter" and "dark-energy"

concepts; and d) identify unique new "Critical Predictions" that differentiate this New "G-d's Physics" (CUFT) Paradigm from those of both RT & QM!

Indeed, the goal of the current article is to outline the gist of this New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics, including its key theoretical postulates, revision of the Old "Material-Causal" Model's explanation of the origin- dynamics- nature- and evolution- of the physical universe, design, quantify and test some of this unique "Critical Predictions" characterizing this New "G-d's Physics" Paradigm, thereby de facto beginning to validate this New Paradigm for Twenty-first Century Physics! Perhaps, the best starting point to delineate the gist of the New "G-d's Physics" 21<sup>st</sup> Century Paradigm is by highlighting one of the key principle "theoretical inconsistencies" that exist within the pillars of 20<sup>th</sup> Century's Old "Material-Causal" Paradigm underlying both RT & QM, which is the (apparent) "theoretical inconsistency" that exist between Relativity's insistence upon a strict "Speed of Light Barrier" constraint imposed upon the transmission of any signal (or information) across space and time – as opposed to Quantum Mechanics (QM) discovery of a "Quantum Entanglement" phenomenon which indicates that the measurement of one "entangled-particle" found at a distance greater than can be traversed by the Speed of Light (signal) "instantaneously" determines (or affects) the "complimentary" subatomic ("space/energy" or "time/mass") of another "entangled particle" – thereby negating Relativity's strict "Speed of Light Barrier" for the transmission of any signal or effect across space and time!? In addition (as stated above), the fact that the empirically observed accelerated expansion of the physical universe – cannot be accounted for by either Relativity Theory or Quantum Mechanics both underlie by the Old "Material-Causal" 20<sup>th</sup> Century Paradigm, e.g., "explained" by a "purely hypothetical" "dark-matter" and "dark-energy" concepts which cannot be directly verified experimentally (despite numerous attempts to do so); forces 21<sup>st</sup> Century Theoretical Physics to seek an alternative "G-d's Physics" (CUFT) New Paradigm that can resolve these apparent "theoretical inconsistencies" that seem to exist between RT & QM, explain the accelerated expansion of the universe and also open new (exciting) frontiers for our deeper understanding of the physical universe!.

In order to understand this basic "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" "A-Causal Computation" Paradigm, let us analyze the "common denominator" underlying Old "Material-Causal" Paradigm underlying both RT & QM: Succinctly stated, the Old "Material-Causal" Paradigm assumes that any relativistic or quantum subatomic phenomenon (or entity, process etc.) can be explained merely based on the direct (or indirect) physical interaction/s between a given set of material factors: In the case of General Relativity, the whole dynamics of the entire physical universe is explained based on Einstein's

Equations indicating that it is the direct physical interactions between certain given "massive objects" and "Space-Time" which "causes" the "curvature of Space-Time", and conversely that it is this "curved Space-Time" which determines (or "causes") the "travelling pathways" of those "massive" and other less massive objects. In Quantum Mechanics, it is assumed that the physical properties of any subatomic target particle's "probability wave function" can only be determined based on its direct physical interaction with a corresponding subatomic "probe" element which "causes" the "collapse" of this "probability wave function" into a single complimentary "space/energy", "time/mass" value; In other words, according to the Old "Material-Causal" Paradigm, the behavior of any relativistic or quantum phenomenon (or entity) in the universe is dependent upon its direct physical interaction/s with another material entity (force or factor etc.).

In contrast, the New "G-d's Physics" Paradigm is based upon the discovery of a new "Universal Computational Principle" (UCP) which is hypothesized to simultaneously compute every exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h = 1.36^{50}$  (sec)!" This exciting discovery (along with "G-d's Physics" other new "Theoretical Postulates") point at a fundamental "Paradigmatic-Shift" towards a New "A-Causal Computation" Paradigm of "G-d's Physics"! This is simply because if the singular higher-ordered UCP simultaneously computes all exhaustive spatial pixels in the universe (at the incredible rate of " $c^2/h = 1.36^{50}$  sec!"), then this negates the possibility of the existence of any "material-causal" physical interactions between any two (or more) exhaustive spatial pixels in the universe! Indeed, according to this New "G-d's Physics" A-Causal Computation Paradigm at every such "minimal time-point" at which the UCP simultaneously computes all exhaustive spatial pixels in the universe, this produces an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every minimal time-point; Moreover, the New "G-d's Physics" Paradigm postulates that "in-between" any two such consecutive UF's frame/s, the whole entire physical universe "dissolves" back into the singularity of the UCP which computes all exhaustive spatial pixels comprising each UF's frame/s! Therefore, according to this New "G-d's Physics" Paradigm, there cannot exist any direct (or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels – existing either in the same- or different- UF's frames, and moreover that there cannot exist any "transference" of any material or physical effect/s or even any material or physical entities (e.g., relativistic or subatomic) across any two consecutive UF's frame/s (once again, because the entire physical universe "dissolves" "in-between" any two consecutive UF's frames! In fact, due to this complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frame/s and the inability to "transfer" or "sustain" any of the exhaustive spatial pixel,

then this led to several of the more advanced Theoretical Postulates of this New "G-d's Physics" Paradigm, e.g., first and foremost, the "Universal Consciousness Principle/Reality"! The "Universal Consciousness Principle/Reality" postulates that since the whole universe "dissolves" back into the singularity of the "Universal Computational Principle" (UCP) "in-between" any two consecutive UF's frame/s (and no exhaustive spatial pixel, or any associated material entity, "force" etc. can be "transferred" across any two consecutive UF's frames, therefore the only means for "sustaining", "retaining", "re-computing", and indeed "evolving" any exhaustive spatial pixel in the universe across the series of UF's frames computed by the singular higher-ordered UCP – may only be attained based on our recognition of this UCP's "Universal Consciousness" capacities – i.e., to "remember", "retain", "re-compute" and "evolve" any of the multifarious exhaustive spatial pixels comprising the entire physical universe! Therefore, it was realized that this Universal Computational Principle is actually also a "Universal Consciousness Principle" (or as we'll see shortly also a "Universal Consciousness Reality"!).

It may be therefore helpful, at this point to list briefly the principle "Theoretical Postulates comprising this New "G-d's Physics" Paradigm:

**a) The "Universal Computational/Consciousness Principle"**

According to the New "G-d's Physics" Paradigm, there exists a singular higher-ordered Universal Computational/Consciousness Principle (UCP) which *simultaneously* computes every exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h = 1.36 \cdot 10^{50}$  sec(!)" giving rise to an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every such "minimal time-point", wherein "in-between" any two such consecutive UF's frames the entire physical universe "dissolves" back into the singularity of this UCP! This UCP possesses three "Computational Dimensions", e.g.,: "Framework" ("frame" vs. "object"), "Consistency" ("consistent" vs. "inconsistent") and "Locus" ("global" vs. "local") – two out of which "Framework" and "Consistency" produce the four basic physical features of "Framework" – "consistent" ("space") or "inconsistent" ("energy") and "Object" – "consistent" ("mass") or "inconsistent" ("time) physical features that continuously and simultaneously compute any exhaustive spatial pixel in the universe for each consecutive UF's frame/s! Another key new discovery made by the New "G-d's Physics" (CUFT) Paradigm is its insistence that this singular higher-ordered UCP *simultaneously computes* all of the exhaustive spatial pixels in the universe for each consecutive UF's frame/s at the incredible rate of " $c^2/h = 1.36 \cdot 10^{50}$  sec(!); and that "in-between" any two consecutive UF's frames the entire physical universe and all of its constituting exhaustive spatial pixels "dissolve" back into the singularity of this singular higher-ordered UCP!

**b) "G-d's Physics" New "A-Causal Computation" Paradigm**

Based on "G-d's Physics" New Paradigm's discovery that the singular higher-ordered UCP *simultaneously computes* all exhaustive spatial pixels comprising the entire physical universe – for each consecutive UF's frame/s (and that "in-between" any two consecutive UF's frames the whole universe "dissolves" back into the singularity of the UCP), a new "A-Causal Computation" characterization of "G-d's Physics" New Paradigm is acknowledged: essentially, the simultaneity of the UCP's computation of all exhaustive spatial pixels (and their complete "dissolution" "in-between" any two consecutive UF's frame/s back into the UCP) means that there cannot exist any "material-causal" physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames! Rather, the same singular UCP computes simultaneously all exhaustive spatial pixels comprising the entire physical universe – which implies that there cannot exist any Relativistic or Quantum "material-causal" physical relationships, interactions, or effects! This negated many of the Old "Material-Causal" (20<sup>th</sup> Century Physics) Paradigm's basic assumptions underlying both Relativity Theory and Quantum Mechanics, including: the "Big-Bang" Model, Einstein's Equations, discarding of the hypothetical "dark-matter" and "dark-energy" concepts etc.

**c) The "Computational Invariance Principle" & "Universal Consciousness Reality"**

Another key new theoretical postulate of the New "G-d's Physics" Paradigm is the "Computational Invariance Principle" which posits that since only the UCP exists – continuously and consistently both "during" each consecutive UF's frame/s – solely computing (simultaneously) all exhaustive spatial pixels' four basic physical features of "space" and "energy", "mass" and "time", and also singularly exists "in-between" any two consecutive UF's frame/s (without the presence of the physical universe), therefore the "Computational Invariance Principle" theoretical postulate asserts that only this singular UCP may be regarded as "computationally-invariant" existing uniformly and "consistently" – both "during" its computation of each consecutive UF's frame/s and also "in-between" any two consecutive UF's frame/s, whereas the four basic physical features being computed for all exhaustive spatial pixels in the universe may only be regarded as "computationally-variant", e.g., existing only "transiently" and "phenomenally" ("during" each consecutive UF's frame/s but "dissolving" "in-between" any two consecutive UF's frames)! This new (profound) realization of the "Computational Invariance Principle" of "G-d's Physics" New Paradigm is also associated with another new theoretical postulate termed: the "Universal Consciousness Reality" (UCR) which posits that since the whole physical universe (e.g., and all of its constituting exhaustive spatial pixels) is only regarded as "computationally-variant" – existing only "transiently"

"during" each consecutive UF's frame/s but "dissolving back into the singularity of the UCR, whereas the singular higher-ordered UCP is considered to be "computationally-invariant" (existing continuously and consistently both "during" each consecutive UF's frame/s as computing each exhaustive spatial pixel's four basic physical features of "space" and "energy", "mass" and "time", as well as solely existing "in-between" any two consecutive UF's frames without the presence of any physical universe); therefore there only exists one singular "Universal Consciousness Reality" which exists consistently and continuously – manifesting as the phenomenal physical universe "during" its computation of every exhaustive spatial pixel of each consecutive UF's frame/s and existing without the presence of the physical universe, in-between any two consecutive UF's frames! Indeed, this new "Universal Consciousness Reality" carries with it a profound alteration of our basic perception and understanding of the physical universe – which ceases to exist as an "objective-independent" reality, and it transformed into the new theoretical understanding that (in truth) the entire physical universe only represents a "phenomenal, transient manifestation" of this singular UCR!

**d) The "Universal Computational Formula"**

Based on "G-d's Physics" (CUFT) New Paradigm's discovery of the Universal Computational/Consciousness Principle (UCP) and its simultaneous computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s it also revealed the existence of an integrated simultaneous computation of all the four basic physical features of "space" and "energy", "mass" and "time" as computed based on two out of the three basic "Computational Dimensions" of the UCP (delineated further below and previously)

**Universal Computational Formula (UCF)**

$$\left. \begin{matrix} \text{c}^2 \\ - \\ \text{h} \end{matrix} \right\} = \frac{s * e}{t * m}$$

UF's {א...נ...ך}

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through "נ " to "ן") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec'!

**e) The "Dynamic Equilibrium" Moral Principle & UCP's "Multi Spatial-Temporal Reservoir"**

Another key theoretical postulate of this New "G-d's Physics" Paradigm is the discovery of the UCP's associated "Dynamic-Equilibrium" Moral Principle and its associated "Multi Spatial-Temporal Reservoir" bank of all "past", "present" and multiple possible "future/s" UF's frames based on the "Moral/Immoral Choices" of each Individual Human Being towards another human being; Essentially, due to the "inseparability" of all Individual Human Consciousness (human beings) from this singular higher-ordered "Universal Consciousness Principle" (UCP) the New "G-d's Physics" Paradigm asserts that there is a basic fundamental "Dynamic-Equilibrium" Moral Principle characterizing the operation of this UCP – such that any "immoral-imbalance" created by any "immoral choice" made by any Individual Human Consciousness towards another Individual Human Consciousness is "corrected" and "balanced" by the UCR in a manner in which that Individual Human Consciousness which chose to "inflict pain/suffering" upon another Individual Human Consciousness – the UCP is selecting one of multiple "possible future/s" UF's frame/s in which it will also have to experience the same (nature and degree) of pain/suffering that it inflicted upon the other Individual Human Consciousness in order that it learns and realizes the basic "unity" and "inseparability" of all Individual Human Consciousness from the singular higher-ordered UCP and honors and respects all other such Individual Human Consciousness (just as pointed out by the Alter-Rabbi, Rabbi Schneur-Zalman in his famous Tanya Book, chapter 32)! Additionally, according to this new "Dynamic-Equilibrium" Moral Principle, since the whole "purpose" of the UCP's associated "Dynamic-Equilibrium" Moral Principle is to "teach", "correct" or "balance" any "immoral-choice/s" of any Individual Human Consciousness so that that Individual Human Consciousness acknowledges and "realizes" its "unity" with the UCP and inseparability from all other Individual Human Consciousness – so that it could not and would not consider or execute any "immoral-choice/s" toward any other Individual Human Consciousness, therefore there is another possibility carved out by the singular higher-ordered UCP of "teshuva" – e.g., repentance, a sincere regret relating to the "immoral choice" and a conscious decision not to repeat it in the future – which "circumvents" and replaces the need of that Individual Human Consciousness to experience itself the abovementioned "negative future" that is equivalent to its own "wrongdoing"... Finally, this "Dynamic-Equilibrium" Moral Principle may be seen as part of the overall "Goal" of the UCP's constant and continuous origination- sustenance- "dissolution" and evolution- of the entire physical universe – which is to bring the World towards its "Perfected- Geula" State of Moral, Spiritual and even Physical Perfection, in which the oneness and integrity of all creation as part of the singularity of the UCP will be realized and acknowledged by Humanity,

see next "Reversed-Time Goal Hypothesis" theoretical postulate;

**f) The UCR's "Expansive Consciousness Spectrum Hypothesis" & "Reversed-Time Goal Hypothesis"**

Another two profound and key theoretical postulates of the New "G-d's Physics" Paradigm are: the UCR's – "Expansive Consciousness Spectrum Hypothesis" & "Reversed-Time Goal Hypothesis"; the "UCR's Expansive Consciousness Spectrum Hypothesis" stipulates that as part of the UCP/UCR's ultimate Goal of driving the world (and entire universe) towards a "Perfect State" – called "Geula" in Jewish Tradition in which the oneness and unity of all creation as integral parts of the singular higher-ordered UCP/UCR will be recognized by Humanity; the UCR computes-, "dissolves", "re-computes"- and evolves- the forms manifested by this singular UCP/UCR from "inanimate" matter (e.g., subatomic particles and the entire macroscopic universe) through "animate" forms of plants, then animals then human-beings – which represents the most "expansive" form of Consciousness; and ultimately leads this much "refined" and more "Expansive" form of Human Consciousness towards its ultimate "expanded" manifestations of this singular Universal Consciousness Reality which are expressed in the "expanded form of Individual Human Consciousness" (previously delineated) in which Individual Human Consciousness "expands" to a state in which it is "not separate" and functions in "unity" with the Universal Consciousness Reality (e.g., sometimes related to as states of "Prophecy" such as with Moses!); Another manifestation of this expansion of Individual Human Consciousness occurs also in "special times" and states of "Collective Human Consciousness Focus (Hypothesis)" (also delineated below and previously) – such as during the Jewish "Rosh-Hashana" (New Year) time-interval in which Millions of Jews (all over the world) collectively focus on- and pray to- this singular higher-ordered "Universal Consciousness Reality", i.e., "G-d"! As published and delineated previously, this New "G-d's Physics" profound expansive new perspective on the development and evolution of the entire cosmos – including its "inanimate" manifestations of all material compositions, e.g., including the relativistic accelerated expansion of the physical universe as well as all subatomic (quantum) particles, forces and phenomena, all "animate" forms of "plants", "animals" and "human-beings" brings about an entirely new and integrated view on the origination- and evolution- of the physical universe and all biological forms – not as "caused" by any "random" Big-Bang nuclear explosion but as driven and computed by the singular higher-ordered UCR whose sole Goal is to bring the entire physical universe and our own world towards the State of "Geula" Perfection (Morally, Spiritually and Physically); Indeed, the additional "Reversed-Time Goal Hypothesis" theoretical postulate posits that the entire origination of the entire physical universe continuous and constant computation by the UCP (simultaneously) of all

exhaustive spatial pixels in the universe for every consecutive UF's frame/s from its onset- in the "first" UF frame and until this date and onwards until the UCP/UCR brings the universe into its ultimate "Goal" of a Perfected: Morally, Spiritually and Physically State; This "Reversed-Time Goal Hypothesis" simply posits that the entire origination- sustenance and evolution of the entire physical universe – is driven by its drive to bring the world towards its ultimate Perfected "Geula" State of Moral, Spiritual and even Physical Perfection (e.g., in which there will not be any longer "death!"); a State in which all Human Being will recognize and realize the oneness of all creation with this singular higher-ordered Universal Consciousness Reality (UCR), and therefore there could not exist any longer any such "negative" phenomena of "violence", "aggression", "crimes" or "immoral behavior", and on the contrary Humanity's (and Science's) ultimate recognition of the singular higher-ordered UCR as the sole reality that drives and sustains the entire universe will lead to an attitude of "reverence", "gratitude" and "studying" of this "All-Goodness", "Divine" "Universal Consciousness Reality" ("G-d"!), as anticipated by the great Jewish Sage and Teacher, Maimonides (in his monumental "Mishna-Torah" masterpiece)

**2. Method & System**

As stated and explained previously, Twenty-first Century Theoretical Physics has reached a pivotal "turning-point" calling for a basic "Paradigmatic-Shift" – indicating that the Old "Material-Causal" Paradigm underlying 20<sup>th</sup> Century's Relativity Theory and Quantum Mechanics simply has reached an "impossible" state in which these two "pillars" seem "theoretically inconsistent", and in which this Old "Material-Causal" Paradigm simply cannot account for up to 95% of all of the "mass" and "energy" in the universe (e.g., assumed to be "accounted" for by purely hypothetical "dark-matter" and "dark-energy" concepts which can't nevertheless be detected experimentally – despite numerous attempts to do so!?) As stated above such a (recurrent) state in any given Scientific discipline was analyzed and characterized by the famous Philosopher of Science, Thomas Kuhn in 1962, as indicating a necessary "transition" from the "Standard Paradigm" phase to a "Paradigmatic-Shift" phase in which a "New Paradigm" is discovered which can resolve the apparent "theoretical inconsistencies" appearing in the Old Paradigm as well as offer an alternative (new) theoretical explanation for those "unexplained phenomenon" which the Old Paradigm fails to account for, e.g., currently this refers to the purely hypothetical "dark-matter" and "dark-energy" concepts (abovementioned); Moreover, according to Kuhn's accurate analysis of these (recurrent) "Paradigmatic-Shifts" in Science, as well as Einstein's own execution of such a "Paradigmatic-Shift" (e.g., from Newton's "Classical Mechanics" and Maxwell's Electromagnetic Theory to Einstein's General Relativity Theory), what was necessary was the identification of specific "Critical Predictions" that differentiated GRT

from Newton's Classical Mechanics, e.g., comprising Einstein's double-valued curvature value of Mercury's perihelion's pathways around the Sun (due to RT's assumption regarding the "curvature of Space-Time" due to the Sun's mass etc.);

So, we realize that the next necessary step in validating the New "G-d's Physics" Paradigm as the valid 21<sup>st</sup> Century New Theoretical Physics Paradigm – is to identify at least one (or more) "Critical Prediction/s" that clearly differentiate the New "G-d's Physics" Paradigm from the corresponding prediction/s of the Old RT and QM's predictions; Indeed, three such unique "Critical Predictions" have been identified previously by the New "G-d's Physics" Paradigm including:

a) Greater number of "Fine-Temporal Measurements" (FTM) of relatively "more massive" particles such as the Muon detected, than the number of FTM detecting the presence of an equivalent "less-massive" particle such as the "electron" – across a series of FTM performed in a Subatomic Accelerator. Based on "G-d's Physics" (CUFT) New Paradigm's unique definition of the "mass" of any given particle as computed by the UCP's singular (higher-ordered) computation of the number of "object-consistent" presentations across a given series of consecutive Universal Frames (UF's) it was predicted that a comparison of the number of times in which a relatively "more massive" particle (such as the Muon) and a relatively "less-massive" particles such as the electron would be detected across a series of "FTM" – would indicated that the Muon particle would be detected a greater number of times across this (sampled) series of FTM. Such an empirical finding could not be accounted for by neither RT nor QM (e.g., after controlling for any statistical measurement accuracy control).

b) "Non-Continuous" Accelerated Expansion of the Universe during the Jewish "Rosh-Hashana" New Year: Due to the New "G-d's Physics" Paradigm's "Collective Human Consciousness Focus Hypothesis" which assumes that the collective focus of a large number of Individual Human Consciousness (individuals) at any given time focusing on that singular Universal Consciousness Reality (UCR) – such as the Collective Human Consciousness Focus of Millions of Jews all around the World at the Jewish "Rosh Hashana" New Year special time-interval would give rise to a "Non-Continuous Expansion Rate" of the physical universe which begins during the two days of "Rosh-Hashana" and ensue throughout the entire consecutive Jewish Year; Once again, the empirical validation of such an empirical finding could not be accounted for be either RT or QM!

c) The "Universal Computational Formula's" (UCF) Relativistic & Quantum "Special-Cases": Based on the discovery of the UCP's new UCF which completely integrates the four basic physical features of "space" and "energy", "mass" and "time" as secondary computational characteristics of the UCP's three Computational Dimensions of "Framework" (frame/object), "Consistency" (consistent/inconsistent) and "Locus"

(global/local) simultaneous computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s, two "Relativistic" and "Quantum" Formats of this single UCF were discovered; Indeed, it was already shown that both Relativity's "Energy-Mass Equivalence" and QM Heisenberg's "Uncertainty Principle's" "complimentary pairs" measurement accuracy constraints are replicated as "special cases" within these broader UCF's Relativistic & Quantum Formats! Therefore, the prediction of "G-d's Physics" (CUFT) New Paradigm is that even beyond those "special cases" embodied within Relativity's "E = Mc<sup>2</sup>" and QM's Uncertainty Principle's complimentary pairs simultaneous measurement constraint imposed by Planck's constant experimental verification of the broader physical relationships depicted by the UCF (including within these two Relativistic and Quantum Formats) all other conditions depicted by this UCF pertaining to relativistic or quantum physical relationships will be validated.

#### Relativistic Format

#### Quantum Format

d) The "UCF's (Predicted) Subatomic Particles Table": Another fascinating unique prediction ensuing from the discovery of the UCF is the delineation and prediction of all existing- and other (yet to be discovered)- elementary subatomic particles, e.g., in terms of their particular "space", "energy", "mass" and "time" four physical features as described by the singular UCF! (and the augmenting new "computational definitions" for each of these four basic physical features provided by the New "G-d's Physics" Paradigm).

e) "Time-Reversal" May be Possible: Based upon the abovementioned new "computational definitions" of the New "G-d's Physics" Paradigm by its UCF of the four basic four physical features (of "space" and "energy", "mass" and "time") as different combinations of the two (out of three) Computational Dimensions of "Framework" and "Consistency"; it was also shown that the UCP's computation of the "time" value of any given object can be (possibly) "reversed"! This is simply because the "time" (temporal) value of any given object is computed by the UCP as the degree of "object-inconsistent" values of that given object across a given series of UF's frames! This means that at least in principle, it should be possible to manipulate the comprising electromagnetic values of any given object in such a manner that would allow for its consecutive values (across a given series of frames) to depict the recorded values of that object across that given series of UF's frames in a "reversed-order", thereby de facto "reversing time" for that particular object!.

Following the publication of multiple "calls" for Experimental Physicists to carry out any of these unique "Critical Predictions" of the New "G-d's Physics" (CUFT) Paradigm (which thus far have not been executed), this article describes an initial empirical validation of a related "Proton-Radius Puzzle" phenomenon which closely relates to one of the

abovementioned "Critical Predictions", thereby offering an initial empirical validation of the New "G-d's Physics" (CUFT) Paradigm; It also calls all Experimental Physicists, Astronomers, Cosmologists and Subatomic Accelerators' Physicists to carry out one of these abovementioned listed series of "Critical Predictions" related experiments in order to verify and validate this New 21<sup>st</sup> Century "G-d's Physics" Paradigm.

### 3. RESULTS

Succinctly stated, the "Proton Radius Puzzle" basic results indicate that the measurement of the radius of a Hydrogen Proton – when embedded with a Muon (whose mass is approximately 100 times greater than that of the standard electron particle surrounding the Hydrogen Proton), as opposed to the "standard Hydrogen Proton" which is surrounded by the (negatively charged) electron; The surprising results obtained indicated that for the special Hydrogen Proton in which the electron was switched with an (also negatively charged) Muon particle the Radius of the Proton was found to be 100 times smaller, and in addition its measurements were found to be 100 times more accurate in comparison with the Radius of the "standard Hydrogen" surrounded by its electron! Since these finding cannot be accounted for by either Relativistic or Quantum considerations it is deemed as the "Proton-Radius Puzzle"!

Intriguingly, these "puzzling" empirical findings were precisely predicted as a closely related prediction of one of the abovementioned "Critical Predictions"! This is because as stated above (and previously), based on the new computational definition of the "mass" of any given particle – as computed by the singular higher-ordered UCP (simultaneously for every exhaustive spatial pixel in the universe for every consecutive UF's frame/s); the computational definition of "mass" is given through the UCP's computation of that particle's "Object-Consistent" values: this means that relatively "more massive" particles such as the Muon would be computed by the UCP as more "spatially-consistent" across any given series of UF's frames – which would translate to the Muon particle being measured as (100 times) more "accurate" and also more "condensed", i.e., with a diameter that is (100 times) "smaller" than the electron particle which is relatively "less massive" (100 times)! Obviously, the direct means for testing the (relevant) Critical Prediction associated with this "Proton-Radius Puzzle" finding is to measure and detect whether indeed the "more massive" Muon indeed can be detected across a greater number of Fine Temporal Measurements (FTM) than the "less-massive" electron, because the basic discovery made by the New "G-d's Physics" Paradigm is that the UCP computes the presence of the "more massive" particles (or objects) as "Object-Consistent" across a greater number of UF's frames, then it does for relatively "less-massive" particles (or objects) such as the electron! But, even this indirect "Proton-Radius Puzzle" empirical findings – which are considered as a "puzzle" and cannot be accounted for by

either Relativistic or Quantum Models, provides an indirect initial empirical validation of one of the unique "Critical Predictions" (listed above and previously) of the New "G-d's Physics" Paradigm!

The expected results of each of these above listed "Critical Predictions" – which if verified empirically would unequivocally validate the New "G-d's Physics" (CUFT) Paradigm as more valid than the Old "Material-Causal" Paradigm of Relativity Theory and Quantum Mechanics are:

a) We would expect to find a greater number of FTM detecting the presence of the "more massive" Muon than for the electron (e.g., due to the UCP's computation of the "mass" of any given particle or object as the number of "Object-Consistent" values across a given series of UF's frames); As explained previously, even though we realize that even those FTM are relatively "slow" in comparison with the extremely rapid computation of the UCP approaching the unfathomable rate of  $c^2/h = 1.36^{50}$  (sec)! by utilizing a "sampling statistical methodology" we would still expect to find that our FTM would be able to detect the greater number of FTM's in which the relatively "more massive" Muon particle would be detected than the electron!

b) We would also expect to find that if we measure the accelerated rate of the universe's expansion – before- "during"- and after- the Jewish "Rosh-Hashana" New Year (two day) time interval, then we would find that the given accelerated rate of the universe's expansion would increase in a "non-continuous" value "during" the two days of the Jewish "Rosh-Hashana" each Jewish Year into a new ("non-continuous") accelerated rate of expansion – which would continue at the same new ("non-continuous") valued accelerated rate for the whole new Jewish Year! This is predicted by "G-d's Physics" New Paradigm's hypothesized "Collective Human Consciousness Focus Hypothesis" which means that since during these two (special) Jewish New Year (Rosh-Hashana) days, millions of Jews focus single-mindedly upon this singular higher-ordered "Universal Consciousness Reality" ("G-d"!)- which brings about an accelerated "non-continuous" increase in the number of additional exhaustive spatial pixels added to each consecutive UF's frame/s beginning from these two days of "Rosh-Hashana" and continuing throughout the entire next new Jewish Year... Once again, this unique "Critical Prediction" of "G-d's Physics" Paradigm cannot be accounted for or explained by either Relativity Theory or Quantum Mechanics, simply because the accelerated expansion of the physical universe is assumed to be a constant phenomenon – currently assumed to arise from the purely hypothetical concepts of "dark-matter" and "dark-energy", which as stated previously cannot be directly verified experimentally, and therefore called for a basic "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm of Relativity Theory and Quantum Mechanics to the New "G-d's Physics" Paradigm, which does offer a testable Critical Prediction (and accompanying theoretical explanation) regarding the

"Non-Continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana New year"!

c) We would expect to find a plethora of other empirical findings derived from "G-d's Physics" New Paradigm's discovered "Universal Computational Formula" (UCF) – beyond the "special cases" of Relativity's "Energy-Mass Equivalence" and QM's Heisenberg's Uncertainty Principle's "complimentary pairs" (simultaneous measurement accuracy constraint bounded by Planck's constant): In other words, empirical validation of the UCF would involve measurements and computations validating the UCF's depicted computational relationships between the four basic physical features of "space", "energy", "mass" and "time" for any given physical phenomenon – either at the relativistic or quantum level: Specifically, indicating that indeed those abovementioned RT's "Energy-Mass Equivalence" or QM's "Uncertainty Principle's "complimentary-pairs" merely represent "special cases" embedded within the broader and more exhaustive theoretical understanding of "G-d's Physics" New Paradigm's UCF!

d) Another direct validation of a Critical Prediction of "G-d's Physics" New Paradigm – associated with its discovery of this Universal Computational Formula (UCF) regards the measurement and validation of all known subatomic particles – and beyond that the potential discovery of new (as of yet "unknown") new subatomic elementary particles based on the UCF's depicted physical relationships between the four basic physical features of "space" and "energy", "mass" and "time"! In fact, it is predicted that the application of the basic physical relationships between the UCP's computation of each given particle's four basic physical features of "space" and "energy", "mass" and "time" – would lead to the discovery of a new *"UCF Derived Particles Table"* in which all known and yet to be discovered- elementary particles would be characterized as conforming to the UCF's basic relationships between these four basic physical features (values)!

e) Finally, we also expect that it would be possible to "reverse-time" of a given physical phenomenon – such as any given subatomic "decay" or increase in a given System's entropic value/s by applying particular "stimulation" parameters to that given physical phenomenon or physical System that would "reverse" the recorded values of that System of phenomenon, thereby de-facto "reversing-time" as defined by "G-d's Physics" New Paradigm's definition of the UCP's computation of the "time" value of any given relativistic or subatomic entity! Once again, obtaining such an empirical finding would unequivocally support the New "G-d's Physics" Paradigm as more valid than the Old "Material-Causal" Paradigm underlying both RT & QM – since such "time-reversal" is strictly prohibited (or negated) by both RT & QM: As explained previously, such "time-reversal" is strictly prohibited by Relativity Theory based on its "Speed of Light Barrier" which negates the possibility to "catch" any light-beam "escaping" from any given relativistic event (or phenomenon); and is also strictly

negated by QM's description of the "collapse" of the subatomic "target's probability wave function into a single "complimentary" (space/energy, mass/time) "collapsed" target value – upon its direct physical interaction with the corresponding subatomic "probe" element, which therefore precludes (and in fact) negates the possibility of "un-collapsing" this "collapsed" single target (complimentary) value back into the dispersed "probability wave function" values of the target particle!

#### 4. DISCUSSION

We began this article with a brief description of "Paradigmatic-Crisis" that 21<sup>st</sup> Century Theoretical Physical finds itself within – indicated by the apparent theoretical inconsistency" that seems to exist between RT's strict insistence upon the "Speed of Light Barrier" for the transmission of any signal across space and time, as opposed to QM's empirically validated phenomenon of "Quantum-Entanglement" which seems to indicate that the measurement of any specific physical feature of one of two entangled particles "instantaneously" determines the "complimentary" subatomic values of the other "entangled" particle (e.g., even if that other "entangled particle" is separated from the first entangled particle by a distance greater than that which can be traversed by a light signal!) Additionally, based on Kuhn's famous analysis of what characterizes this "Paradigmatic-Shift" phase in the evolution of any given Scientific discipline we found that the Old "Material-Causal" Paradigm cannot account for up to 95% of all of the mass and energy in the universe which are termed: "dark-matter" and "dark-energy", but which can't be detected experimentally (despite numerous attempts)!? We followed Kuhn's analysis of such a Paradigmatic-Shift and have shown that an emerging New "G-d's Physics" (CUFT) Paradigm successfully explains the apparent "theoretical-inconsistency" between the two "pillars" of the Old Material-Causal" Paradigm, e.g., Relativity Theory (RT) and Quantum Mechanics (QM) based on the discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels comprising the entire physical universe at the incredible rate of " $c^2/h = 1.36^{-50}$  (sec)!" comprising an extremely rapid series of "Universal Frames" (UF's) constituting the physical universe... We realized that in order to validate this New "G-d's Physics" Paradigm of 21<sup>st</sup> century Physics, we should follow Kuhn's and Einstein's understanding of what is necessary in order to affect such a "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" (CUFT) Paradigm: i.e., that to the extent that specific unique "Critical Predictions" differentiating this New "G-d's Physics" Paradigm from the Old "Material-Causal" Paradigm can be identified and verified empirically, then this would indicate that indeed, the New "G-d's Physics" Paradigm is more valid than the Old "Material-Causal" Paradigm!

Therefore, in this article several specific unique "Critical Predictions" have been identified which differentiate this New "G-d's Physics" Paradigm from the Old "Material-Causal" Paradigm (underlying RT & QM) including: (a) Greater number of "Fine Temporal Measurements" (FTM) in which a relatively "more massive" particle (such as the Muon) would be detected, than for a relatively "less massive" particle (such as an electron). (b) A "Non-Continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana New Year" special (two-days) time interval due to "G-d's Physics" postulated "Collective Human Consciousness Focus Hypothesis". (c) Validating RT's "Energy-Mass Equivalence" and QM's Heisenberg's "Uncertainty Principle's Complimentary Pairs" simultaneous measurement constraint (imposed by Planck's constant) represent "special-cases" within "G-d's Physics" newly discovered (broader) "Universal Computational Formula (UCF)". (d) Indeed, this newly discovered UCF also predicts that its depicted complete integration of the four basic physical features (values) of "energy", "mass", "mass" and "time" should manifest in any subatomic particle, e.g., both for the already discovered elementary particles as well as for any to be discovered further particles, constituting a new "*UCF Derived Particles Table*" (akin to the discovery of the fundamental Chemical "Periodic Table" and to Watson and Kirk's discovery of the basic constituents of the DNA)! (e) Validation of the possibility of "time-reversal" based on the precise recording and manipulation of any given subatomic particle's "decay" or increase in the entropic levels of any given Physical System – leading to a "reversal" of that "decaying particle's" or Physical System's entropic values across a series of UF's frames, thereby effectively "reversing time"!

To the extent that any of these unique "Critical Predictions" can be verified empirically then this would validate the New "G-d's Physics" Paradigm as more effective than the Old "Material-Causal" Paradigm; Indeed, such an initial empirical validation of a closely related (indirect) "Critical Prediction" of this New "G-d's Physics" Paradigm has already been obtained based on the "Proton-Radius Puzzle" findings indicating that the radius of a Hydrogen Proton embedded with a Muon (which is approximately 100 times more massive than the "natural" electron found within a Hydrogen atom) is found to be 100 times smaller and more accurate than for the equivalent Hydrogen Proton surrounded by its natural electron! This surprising phenomenon cannot be accounted for by either QM or RT, but in contrast is closely associated with one of the abovementioned "Critical Predictions" of the New "G-d's Physics" Paradigm – i.e., of the greater number of FTM detecting the presence of a relatively "more massive" Muon particle than for the relatively "less-massive" electron particle! This is because based on the New "G-d's Physics" Paradigm's discovery that the UCP's computation of the "mass" value of any given particle is computed based on the number of times that that

particular particle is presented "consistently" across a series of given UF's frames, then this implies that relatively "more massive" particles such as the Muon would be detected across a greater number of UF's frames, and would be measured as more "spatially-consistent", e.g., possessing a "smaller" radius and being measured as more "accurate" – than the relatively "less massive" electron particle! This precisely replicates the "Proton-Radius Puzzle" findings and therefore offers an initial empirical validation of a closely related unique "Critical Prediction" of "G-d's Physics" New Paradigm of 21<sup>st</sup> century Theoretical Physics!

Multiple calls have been made for Experimental Physicists, Astronomers, Cosmologists, and Subatomic Accelerators' Physicists to carry out these various (listed) "Critical Predictions", but have thus far not been answered or executed!? Obviously, as Thomas Kuhn discovered, there exists a "natural resistance" – even amongst scientists to "embrace" a New Paradigm due to our innate human propensity to "resist change" and "cling to the familiar"... But, nevertheless Kuhn asserted that eventually, such a "transition" from the "Old Paradigm" to the "New Paradigm" – especially when this "New Paradigm" is verified empirically is necessary and unavoidable! Indeed, as Einstein demonstrated in the case of this "Critical Prediction" regarding the (doubled value) of Mercury's perihelion pathway's curvature around the Sun due to Relativity's discovery of the curvature of "Space-Time" around massive objects, the empirical validation of a "Critical Prediction" of the "New Paradigm" unequivocally led to the acceptance of his Relativity Theory as the (then) "New Paradigm" for 20<sup>th</sup> century Physics! Similarly, it is suggested that the initial empirical validation of the closely related "Proton Radius Puzzle" "Critical Prediction" of the New "G-d's Physics" Paradigm inevitably leads to the acceptance of this New "G-d's Physics" as the New Paradigm of 21<sup>st</sup> century Physics! Obviously, further direct validation of the listed "Critical Predictions" of this New "G-d's Physics" Paradigm is necessary and called for (once again), but the acceptance of this New "G-d's Physics" Paradigm is already warranted based on its proven capacity to resolve the apparent "theoretical inconsistency" that seems to exist between RT & QM, its offering of an alternative, satisfactory and testable theoretical explanation for the accelerated expansion of the physical universe associated with "G-d's Physics" postulated "Non-Continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana New Year" special time interval due to the Collective Human Consciousness Focus Hypothesis. In addition, this New "G-d Physics" Paradigm was able to advance Physics and Science considerably – by showing (for the first time) how the four basic physical features (of "space", "energy", "mass" and "time") can be completely integrated based on the discovery of the singular higher-ordered Universal Computational/Consciousness Principle (UCP) simultaneous computation of each exhaustive spatial pixel's "Object" – "consistent"

("mass") or "inconsistent" ("time"), and "Frame" – "consistent" ("space") or "inconsistent" ("energy"), as computed through the UCP's "Universal Computational Formula" (UCF)!

Indeed, the theoretical ramifications of the acceptance of this new "G-d's Physics" Paradigm are quite far reaching (and exciting): Based on the New "G-d's Physics" "A-Causal Computation" Paradigm's characterization – due to the simultaneity of the UCP's computation of every exhaustive spatial pixel in the universe which negates the possibility of the existence of any direct (or indirect) physical interactions between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames; this New "G-d's Physics A-Causal Computation" Paradigm was already shown to negate such basic assumptions of the Old "Material-Causal" Paradigm (of RT & QM) as: the "Big-Bang" Model – assuming that the universe was created by an initial nuclear event which created all of the mass and energy, suns and galaxies; Einstein's Equations – assuming that the evolution of the universe is based on direct "Material-Causal" physical interactions between certain "massive objects" and their assumed "curvature of Space-Time"; discards the purely hypothetical concepts of "dark-matter" and "dark-energy" as "superfluous" (i.e., non-existent!); negates QM's "Material-Causal" assumption regarding the "collapse" of the target's assumed "probability wave-function" as "caused" by its direct physical interaction with a corresponding subatomic "probe" element; negating the "Material-Causal" assumption underlying the "Second Law of Thermodynamics" assuming that the passage of time increases the level of entropy within any given Physical System; And similarly negating the "Material-Causal" assumption underlying the Biological Darwin's "Natural-Selection Principle"!

Instead, the New "G-d's Physics" Paradigm discovers a "new universe" – which is being continuously computed- "dissolved"- recomputed- and evolved- simultaneously for each exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h = 1.36^{-50}$  (sec)!" A universe which does not operate based on any "Material-Causal" direct (or even indirect) physical interactions, but is rather driven solely based on the characteristics and guidance of this singular higher-ordered Universal Computational/Consciousness Principle (or "Universal Consciousness Reality")! Indeed, based on several novel (above mentioned) "Computational Invariance Principle" and "Universal Consciousness Reality" theoretical postulates of this New "G-d's Physics" Paradigm, it is realized that the physical universe may only be regarded as a "transient-phenomenal" manifestation of this singular higher-ordered UCR which computes-dissolves- and then re-computes and evolves every exhaustive spatial pixel in the universe at this incredible rate of " $c^2/h = 1.36^{-50}$  (sec)!" The physical universe (and every exhaustive spatial pixel comprising it) does not exist (any longer) as an independent "objective" reality,

but is rather conceived of as existing only as a "transient-phenomenal" manifestation of this singular higher-ordered Universal Consciousness Reality (UCR) – which exists continuously both "during" its consecutive computation of each UF's frame, and also solely exists "in-between" any two consecutive UF's frames (in which the whole universe "dissolves" back into the singularity of this UCR)! Moreover, based on the discovery of this singular higher-ordered UCR's intrinsic "Ten Laws of Hierarchical Manifestation" (previously delineated) it was realized that this UCR possesses an intrinsic "Dynamic-Equilibrium Moral Principle" which "balances" any "Immoral Action" of any Individual Human Consciousness so that the "inflicting pain or suffering" Individual Human Consciousness will have to experience the same degree of "pain/suffering" as the other Individual Human Consciousness upon which this pain or suffering was inflicted – in order to "teach" and "evolve" every Individual Human Consciousness to recognize and appreciate all other Individual Human Consciousness as constituting "inseparable parts" of this singular "Universal Consciousness Reality"! Indeed, the discovery of this UCR's "Dynamic-Equilibrium Moral Principle" implied that the UCR also possesses a "multi Spatial-Temporal Reservoir" of all potential past-present- and multiple possible "future/s" – that are selected based on the "Moral" or "Immoral" free-choice of each Individual Human Consciousness at each UF's frame/s! The discovery of these "Ten Laws of Hierarchical Manifestation" of the singular UCR also indicated that the UCR is guided by a "Reversed Time Goal Hypothesis" to compute and evolve the whole universe (as well as each exhaustive spatial pixel within it) based on its "Ultimate Goal" of a "Perfected Moral, Spiritual and Physical State" (termed as: "Geula" in the Jewish Tradition) in which Humanity will recognize the "Oneness" and "Goodness" of this singular higher-ordered UCR and consequently live in total "peace" and "harmony" and in a state of gratitude, appreciation and thankfulness towards this singular higher-ordered UCR and live in accordance with its Moral and Spiritual Laws...

#### Dedication

This culminating article of the Special Issue is dedicated with much gratitude and love to my dear beloved Mother (may her Soul ascend in Heaven) Dr. Tirzah Bentwich who assisted numerous patients selflessly and whose love and faith in me have allowed me to develop this New "G-d's Physics" Paradigm, and to my dear beloved wife, Shulamit Bentovish whose unwavering faith, encouragement and love have made all of the difference in my life...

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## "G-D'S PHYSICS" NEW 21<sup>ST</sup> CENTURY PARADIGM: A COMPLETE INTEGRATION OF "SPACE" & "ENERGY", "MASS" & "TIME"!

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\*Note: Dr. Bentovish is currently seeking the most appropriate leading Academic Institute to assist him in carrying-out further necessary empirical validation and Theoretical elaboration of his New Twenty-first Century New 'G-d's Physics' Paradigm.  
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### ABSTRACT

Based on the New "G-d's Physics" ("Computational Unified Field Theory", CUFT) Paradigm of 21<sup>st</sup> Century Theoretical Physics Twenty-First Century Theoretical Physics the Old "Material-Causal" Paradigm underlying Relativity Theory (RT) and Quantum Mechanics (QM) basic assumptions and conception of the physical universe are being challenged and revised: This Follows the New "G-d's Physics" discovery of the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{-50}$  (sec)" thereby creating an extremely rapid series of "Universal-Frames" (UF's), which therefore negates the very possibility of the existence of any (direct or indirect) "material-causal" interactions between any two (or more) exhaustive spatial pixels existing either in the same- or different "Universal-Frames" (UF's)! The physical universe was not created by an initial "Big-Bang" nuclear event, nor is it "propelled" by the purely "hypothetical" concepts of "dark-matter" or "dark-energy" but is rather being continuously computed- "dissolved"- re-computed- and evolved- by this singular higher-ordered UCP (at the incredible rate of " $c^2/h = 1.36^{-50}$  sec")! Moreover, the New "G-d's Physics" (CUFT) Paradigm discovered a new "Universal Computational Formula" (UCF) which allows for the complete unification of the four basic physical features of "space" and "energy", "mass" and "time" based on two of the UCP's "Computational-Dimensions" of "Framework" and "Consistency" and their complete integration within this novel UCF! Therefore, for the first time, Theoretical Physics is able to completely unify between these four basic physical features of the physical universe as secondary computational by-products of the singular higher-ordered UCP's extremely rapid (simultaneous) computation of every exhaustive spatial pixel comprising the entire physical universe for each consecutive UF's frame/s!

### 1. Introduction: 20<sup>th</sup> Century's Physics Old "Material-Causal" Paradigmatic Crisis

*"No better destiny can be allotted to any Physical Theory than that it becomes a "Special-Case" in a broader theoretical understanding!"* – is Einstein's famous reply to a question posed to him over 100 years ago regarding the "fate" of his Relativity Theory, i.e. would it "prevail" as the governing Theory in Physics?! Indeed, the great Einstein (considered as one of two greatest scientists the world has ever known!) was "humble" enough to admit (and even "foresee") the future evolution of Physics (and Science, more generally) – as leading to the inevitable further "expansion" of our Scientific understanding, which would (somehow) include his Relativity Theory (and subsequent Quantum Mechanics) as "Special-Cases" within a broader, more exhaustive New Theoretical Understanding! Einstein himself was "bold" enough to "question" and indeed "challenge" the former acceptable "Classical-Mechanics" Newtonian Paradigm (and subsequent Maxwellian Electromagnetic Theory) –

discarding the "purely hypothetical" "Ether" concept which was assumed to pervade the entire physical universe, but could not yet be detected despite numerous attempts to do so (e.g., including the famous "Michelson-Morley" experiment that failed to detect the existence of this "purely hypothetical" Ether element)! Einstein realized then- and indeed called for- discarding this "Ether" concept as "superfluous" (i.e., "non-existent") and went on to develop his General Theory of Relativity – which included the former "Newtonian Classical Mechanics" as a "Special-Case"!

We currently stand, it seems, at an "equivalent critical-juncture" along the inevitable evolution of Science, wherein the Old "Material-Causal" Paradigm of 20<sup>th</sup> Century Physics underlying both Relativity Theory (RT) and Quantum Mechanics (QM) seems to have reached a "parallel" fundamental "Paradigmatic-Crisis" calling for a similar (higher) "Paradigmatic-Shift" towards the New 21<sup>st</sup> Century "G-d's Physics", e.g., also called: the

"Computational Unified Field Theory", CUFT, named after Einstein's "bold" quest to find such a "Unified Field Theory" that would resolve the apparent "contradiction" between these two pillars of 20<sup>th</sup> Century Physics (RT & QM)! This is because as described by the famous philosopher of Science, Thomas Kuhn, the evolution of any scientific discipline can be characterized through an alteration between phases which he termed as "Standard Science", in which the scientific inquiry is based on the assumptions of a given "Standard Paradigm", and phases of a "Paradigmatic-Shift" – in which the basic assumptions underlying the Old "Standard Paradigm" do not suffice (any longer) to explain a series of new phenomena, as well as due to the appearance of basic "theoretical inconsistencies" in the very foundations of that Old Paradigm! This seems to precisely characterize the state of 20<sup>th</sup> Century's Old "Material-Causal" Paradigm, in which there exists key unexplained phenomena such as the empirically observed accelerated expansion of the physical universe – which cannot be accounted for, except through the "purely hypothetical" existence of "dark-matter" and "dark-energy" which are assumed to account for up to 95% of all the mass and energy in the universe, but yet cannot be detected directly experimentally (despite numerous attempts to do so, alike the "Ether" concept)!? Indeed, alike Einstein's discarding of the "Ether" concept as "superfluous" (due to the inability to detect it experimentally), the New "G-d's Physics" (CUFT) Paradigm also stipulated those "purely hypothetical" "dark-matter" and "dark-energy" are "superfluous" (i.e., "non-existent"!)

Additionally, the apparent basic "theoretical inconsistency" that seems to exist between Relativity Theory and Quantum Mechanics, e.g., due to RT's insistence upon a strict "Speed of Light Barrier" for the transmission of any signal across space and time, as opposed to QM's discovery of the "Quantum-Entanglement" phenomenon which indicates that the subatomic measurement of one "entangled-particle" instantaneously" determines the "complimentary-properties" of the other "entangled-particle", e.g., wherein these two "entangled-particles" are separated by a distance greater than can be traversed by a light signal! Indeed, according to Kuhn's fine analysis of the "Structure of Scientific Revolutions" (1962), this "impossible state" of 21<sup>st</sup> Century Physics clearly calls for a "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm of 20<sup>th</sup> Century's RT & QM towards the New "G-d's Physics" (CUFT) Paradigm – provided that this New "G-d's Physics" (CUFT) Paradigm can resolve these apparent "theoretical inconsistencies" that seem to exist between RT & QM, satisfactorily offer an alternative explanation for the otherwise "unexplained" accelerated expansion of the physical universe (based on its discarding of those "dark-matter", "dark-energy" purely "hypothetical" concepts as "superfluous!"); and most importantly, provide at least one unique "Critical Prediction" that differentiates this New "G-d's Physics" Paradigm from the corresponding predictions of the Old "Material-Causal" 20<sup>th</sup> Century Paradigm of both RT & QM!

Indeed, in over forty scientific peer-reviewed articles and Textbooks, this New "G-d's Physics" (CUFT) Paradigm was shown capable of resolving this apparent "theoretical inconsistency" that seem to exist between RT & QM, e.g., based on it's (surprising) discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) – which simultaneously computes every exhaustive spatial pixel in the universe at the incredible rate of  $c^2/h = 1.36^{-50}$  sec', giving rise to an extremely rapid series of "Universal Frames" (depicting the entire physical universe at every such "minimal time-point" UF's frame/s)... Moreover, this New "G-d's Physics" Paradigm was also shown capable of replicating all major Relativistic and Quantum phenomena and laws, and also offered an alternative new theoretical explanation for the empirically observed accelerated expansion of the physical universe: In a nutshell, this new alternative explanation for the universe's observed accelerated expansion rate is explained through this singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) accelerated addition of the number of exhaustive spatial comprising each consecutive UF's frame/s! In fact, this hypothetical new explanation of the accelerated expansion of the entire physical universe – also provided (with another additional "Collective Human Consciousness Focus Hypothesis" at the Jewish "Rosh-Hashana" New Year special "time-interval) one of the unique "Critical-Predictions" of this New "G-d's Physics" Paradigm, which was called for the immediate empirical validation of all Cosmologists and Astronomers! So far, unfortunately, no Cosmologist or Astronomer has reported carrying out this extremely important empirical validation of the New "G-d's Physics" Paradigm for 21<sup>st</sup> Century Physics!? It is indeed important to mention it is precisely those "bold" attempts of individual Experimental Physicists – to validate the "Critical Prediction/s" of any New Scientific Paradigm – like Eddington's famous "bold" expedition to measure (and indeed validate) Einstein's new "Critical Prediction" regarding the increased value of Mercury's Perihelion curvature – that "crowned" Relativity Theory as the New Paradigm for 20<sup>th</sup> Century Physics (replacing and embedding the Old Newtonian Paradigm as a "Special-Case" within its broader Theoretical Model)! Indeed, it is therefore of critical importance that such new "bold" Experimental Physicists, Astronomers, Cosmologists similarly attempt to verify one of multiple unique "Critical Predictions" of this New "G-d's Physics" (previously delineated), including the "Non-Continuous Accelerated Expansion of the Universe" at the Jewish "Rosh-Hashana" special (Collective-Human Consciousness Focus) time interval, as well as an empirical verification of the greater number of "Fine-Temporal Measurements" (FTM) instances in which a relatively "more-massive" subatomic particle (such as the "Muon" particle) would be measured relative to the number of instances that a relatively "less-massive" particle (such as an electron) would be measured (e.g., across the same given time-interval). Such empirical

validations of either of these unique "Critical Predictions" of the New "G-d's Physics" Paradigm would similarly "crown" this New "G-d's Physics" Paradigm as the New appropriate Paradigm for 21<sup>st</sup> Century Theoretical Physics!

## 2. The New 21<sup>st</sup> Century "G-d's Physics" (CUFT) Paradigm

Since the aim of the current article is to highlight one of the amazing new discoveries of this New "G-d's Physics" Paradigm – i.e., regarding the complete unification of the four basic physical features of the entire physical universe of "space" and "energy", "mass" and "time"; it is first important to just outline the gist and basic theoretical postulates of the New "G-d's Physics" Paradigm: One of the primary discoveries made by "G-d's Physics" is the existence of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe at the incredible rate of  $c^2/h = 1.35^{-50}$  sec(!), which produces an extremely rapid rate of "Universal Frames" (comprising all of the spatial pixels in the universe at every such "minimal time-point")... "In-between" every two consecutive UF's frames the entire universe (and all of its comprising exhaustive spatial pixels) "dissolve" back into the singularity of the UCP! The simultaneity of the UCP's computation of all exhaustive spatial pixels in the universe (for each consecutive Universal Frame, UF) brought about the realization that "G-d's Physics" portrays a New "A-Causal Computational" Paradigm – i.e., which negates the very possibility of any "material-causal" direct physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or other UF's frame/s! This is because since this singular (higher-ordered) UCP simultaneously computes all of the exhaustive spatial pixels in the universe there cannot exist any direct physical interaction/s between any two (or more) exhaustive spatial pixels existing in the same UF's frame; Moreover, since the entire physical universe "dissolves" "in-between" any two consecutive UF's frames back into the singularity of the UCP, there cannot be any transference of any "material" or "physical" entity (or "effect") across any two consecutive UF's frame/s!

In addition, the New "G-d's Physics" Paradigm posits that this singular (higher-ordered) UCP possesses three "Computational Dimensions", e.g., "Framework" (frame/object), "Consistency" (consistent/inconsistent) and "Locus" (global/local) – two out of which (Framework and Consistency) are responsible for the UCP's computation of the four basic physical features of "space", "time", "energy" and "mass"! Essentially, the New "G-d's Physics" Paradigm postulates that the UCP computes for each exhaustive spatial pixel in the universe (simultaneously) either it's "Object" – "consistent" ("mass") or "inconsistent" ("time") values or its "Frame" – "consistent" ("space") or "inconsistent" ("energy") values based on the UCP's computation of the

degree of "consistency" or "inconsistency" in a given object across a given series of UF's frames, or the degree of "consistency" or "inconsistency" of that object – relative to the entire "Universal Frame" (coordinates), once again, across a series of UF's frames! Indeed, since the UCP simultaneously computes both the "Object"- "consistent"/"inconsistent" and the "Frame"- "consistent"/"inconsistent" physical features (for each exhaustive spatial pixel in the universe for each consecutive UF's frames), this has led to the discovery of a singular "Universal Computational Formula" describing the UCP's (extremely rapid) computation of all of these (four) basic physical features (of "space and "energy", "mass" and "time") in an integrated manner (as further described below); Interestingly, "G-d's Physics" New Paradigm not only discovered the existence of this singular higher-ordered UCP which simultaneously computes all exhaustive spatial pixels in the universe (e.g., for each exhaustive spatial pixel at each consecutive UF's frame/s) – but also pointed at the existence of all "past", "present" and (multiple possible) "future/s" UF's frames within the UCP's "Multi Spatial-Temporal Reservoir"! Surprisingly, according to this New "G-d's Physics" Paradigm, the "selection" of which of multiple possible UF's frames would be computed by the UCP – i.e., at each given presentation of the "present" UF frame is determined by the "moral-choice" of each individual Human-Being (at any given point in time), based on the discovery of a novel "Dynamic-Equilibrium" Moral Principle (characterizing this singular higher-ordered UCP), which seeks to "balance" (or "correct") any "moral-imbalance" created by an "immoral act" executed by one "Individual Human Consciousness towards another Human-Being (as will be further delineated below);

## 3. "G-d's Physics" New "Universal Computational Formula"!

In order to fully appreciate "G-d's Physics" New 21<sup>st</sup> Century breakthrough in Theoretical Physics – and specifically it's complete unification of these four basic physical features of "space" and "energy", "mass" and "time" (which is the highlight of this article), we first need to understand the basic principle difference between the Old "Material-Causal" Paradigm of 20<sup>th</sup> Century Physics – underlying both Relativity Theory (RT) and Quantum Mechanics (QM): The basic assumption underlying both RT & QM is the Old (20<sup>th</sup> Century) Paradigm's "Material-Causal" Assumption; Basically, this "Material-Causal" Assumption posits that any physical phenomenon can be explained simply based on a finite series of direct physical interactions between a given set of material elements! In this manner, RT sought to explain the origin- and evolution- of the entire physical cosmos based on the direct physical interaction/s of given series of "massive" objects and their "causal" effect of curving (the "fabric" of) "Space-Time", or conversely explain the whole existence and dynamics of the subatomic reality based on the direct physical interactions between a subatomic "probe" and

corresponding subatomic "target's probability wave function – which "causes" the "collapse" of that subatomic target's (assumed) "probability wave function" elements; But, based on the "G-d's Physics" New 21<sup>st</sup> Century Paradigm's discovery of the singular higher-ordered Universal Computational/Consciousness Principle (UCP) posited to *simultaneously compute* every exhaustive spatial pixel in the universe, e.g., for each consecutive Universal Frame/s (UF's), then this "Material-Causal" basic assumption is strictly negated! This is because this simultaneous UCP computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s prohibits and negates the very possibility of the existence of any such direct physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different UF's frame/s! Moreover, since the whole physical universe is posited to "dissolve" "in-between" any two such consecutive UF's frame/s, therefore there cannot also exist any direct "physical interaction" or even any "transference" of any "material" or "physical" element/s "across" any two consecutive UF's frame/s!

Therefore, the New "G-d's Physics" Paradigm (of 21<sup>st</sup> Century Physics) completely negates the basic "Material-Causal" assumption underlying both RT & QM - instead calling for a fundamental revision of our basic understanding of the origin- nature- dynamics- and evolution- of the entire physical cosmos! Nevertheless, it is important to note that the New "G-d's Physics" Paradigm does not negate the key phenomena described either by RT or QM – but rather explains them in a completely different manner, based on its much broader and more exhaustive theoretical understanding: Perhaps the best "starting-point" to describe the principle difference between this New "G-d's Physics" Paradigm and the Old "Material-Causal" paradigm (underlying both RT & QM) is by delineating "G-d's Physics" novel (and profound) analysis of the four basic physical features of "space", "energy", "mass" and "time": Unlike either RT or QM in which these four basic physical features are conceptualized as existing "separately" or "independently" of each other – albeit there exist certain "inter-relationships" (e.g., such as the unification of "space" and "time" as a four dimensional "Space-Time" continuum) or even certain "equivalences" (e.g., such as Relativity's famous "Energy-Mass Equivalence"), the New "G-d's Physics" Paradigm's "computational definitions" of each of those four basic physical features – as computed by a singular (higher-ordered) "Universal Computational/Consciousness Principle" (UCP) and its associated (novel) "Universal Computational Formula" (UCF) completely integrates these four basic physical features as comprising integral and in fact "inseparable" secondary computational by-products of this singular UCP's computation (and creation) of a series of Universal Frames!

In a nutshell, the New "G-d's Physics" Paradigm postulates that these four basic physical features of

"space" and "energy" or "mass" and "time" are computed simultaneously by the singular (higher-ordered) Universal Computational/Consciousness Principle (UCP) – for each exhaustive spatial pixels, comprising the (extremely rapid, e.g., " $c^2/h$ " = 1.36<sup>-50</sup> sec!) series of Universal Frames (UF's) portraying the entire physical universe (at each such minimal "time-point"); This extremely rapid computation of the UCP of each consecutive UF's frames' exhaustive spatial pixels' four physical features (of "space" and "energy", "time" or "mass") is associated with the UCP's three "Computational Dimensions" – specifically with two of them, namely: "Framework" ('frame' vs. 'object') and "Consistency" ('consistent' vs. 'inconsistent'); This is because the UCP's computation of any exhaustive spatial pixel's "frame"- "consistent" or "inconsistent" measures (across a series of UF's frames) produces that spatial pixel's "space" and "energy" values! And likewise, the UCP's computation of any given exhaustive spatial pixel's "object" – "consistent" or "inconsistent" computational measures (across a series of UF's frames) provides that pixel's "mass" and "time" values! It is obviously quite "stunning" or indeed almost "inconceivable" to fathom the complexity and "infinitude" of the UCP's "Intelligence" – capable of simultaneously computing each of the almost infinite exhaustive spatial pixels comprising the entire physical universe for each consecutive UF's frame/s; and for each of these exhaustive spatial pixels the UCP has to compute the degree of that spatial pixel's "degree of change" ("inconsistent") or "degree of lack of change" ("consistent") – both at the "object" level, i.e., the number of times that that given object is presented "consistently" across a series of UF's frames (regardless of its "location" relative to the coordinates of the entire UF's Frame/s)... What's perhaps even more profound is this New "G-d's Physics" Paradigm's realization that the UCP's simultaneous computation of each exhaustive spatial pixels' four basic physical features of "space" and "energy", or "mass" and "time" – as the UCP's computation of any given spatial pixel's "frame" – consistent or "inconsistent", or "object"- "consistent" or "inconsistent" measures points at the complete integration of these four basic physical features as "secondary computational measures" of the same (singular) UCP's simultaneous computation!

We can begin noticing this UCP's complete integration of these four basic physical features – simply based on their "complimentary" computational characterizations: since (once again) the computational definitions of the UCP's computation of an "object's" – "consistent" vs. "inconsistent" measures of "energy" and "space", or of an object's "frame" – "consistent" or "inconsistent" measures as its "mass" and "time" values; this means that the UCP's computation of each of these "complimentary" computational measures of "frame"- "consistent" (space) or "inconsistent" (energy) values implies that these "complimentary computational" ("frame"- or "object"-) measures does not exist "independently" of each other,

but rather represents complimentary-integrated secondary computational measures of the same UCP's singular integrated computation! Likewise, the UCP's singular-integrated computation of any given "object's" – "consistent" ("mass") or "inconsistent" ("time") computational measures must also be completely integrated as the UCP's simultaneous computation of any such given "object's" – "consistent" ("mass") or "inconsistent" ("time") computational measures represent "complimentary-interdependent" stemming from the UCP's singular simultaneous computation of that given "object's" degree of "change" ("inconsistent": "mass") or "lack of change" ("consistent": "time")! It may be said that these UCP's simultaneous singular-integrated computation/s of any given "object's" – "consistent" ("mass") or "inconsistent" ("time"), or of any given object's "frame" – "consistent" ("space") or "inconsistent" ("energy") values may be likened to the "measurement" of a given "cup's" – "half full" or "half-empty" properties which are "interdependent" and really represent "complimentary measures" of the same "cup's liquid-filled reality"!

In fact, as shown previously, the UCP's "singular-integrated" computation of each of these "object" – "consistent" ("mass") or "inconsistent" ("time"), or "frame" – "consistent" ("space") or "inconsistent" ("time") measures is seen as also being "interdependent" or represent different "secondary computational integrated measures" of the same UCP singular simultaneous "Framework" ("object"/"frame") & "Consistency" ("consistent" or "inconsistent") Computational Dimensions' integrated computation! As shown previously, this lead to the discovery of the singular fully integrated UCP's "Universal Computational Formula" (UCF) which portrays the profound (and elegant) full integration of the UCP's simultaneous computation of these four basic physical features.

**Universal Computational Formula (UCF)**

$$\left. \begin{matrix} c^2 \\ - \\ h \end{matrix} \right\} \text{UF's } \{n...n...x\} = \frac{s * e}{t * m}$$

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" (י) simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "x through "n" to "n") depending on the Moral Choice of each

Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec'!

as can be seen from this "Univresal Computational Formula" (UCF), the UCP simultaneously computes an integrated and combined interrelationships between these two "Object- consistent (mass)/inconsistent (time) and Frame-consistent (space) /inconsistent (energy) computational pairs! As previously delineated, this complete integration between the four basic physical features of "space", "energy", "mass" and "time" – as secondary integrated computational properties of the UCP's singular (higher-ordered) computation stems from the fact that each of these four secondary computational physical features represents a particular facet of the same singular integrated UCP's computation represented by this Universal Computational Formula! Thus, for instance, we can notice that the UCP's computation of an "object's" – number of "consistent" ("mass") presentations necessarily increases, as a function of that object's (UCP's computation of) its "frame-inconsistent" ("energy") value! This is simply due to the fact that the greater the value of a given object's "frame-inconsistent" ("energy") computed by the UCP, e.g., which implies that the UCP computes a greater degree of "displacement" (relative to the entire UF's frame) across a series of such UF's frames; this necessarily entails that that "object-consistent" ("mass") value has to also increase (due the maximal stipulated displacement of any given object across two consecutive UF's frames!)

So, we find that, for instance, the close "interdependency" between the UCP's computation of any given object's "frame-inconsistent" ("energy") value and its computed "object-consistent" ("mass") value stems from the fact that the UCP simultaneous computation of each exhaustive spatial pixel comprises a singular-integrated process carried out by its three (and specifically two) "Computational-Dimensions", e.g., of "Framework" ("frame" or "object") and "Consistency" ("consistent" or "inconsistent")! Likewise, we find that the "special-case" of Relativity's dilation of "time" ("object-inconsistent") as a function of an increase in "mass" (object-consistent), simply due to the fact that these two "object- "consistent" ("mass") and "inconsistent" ("time") UCP's computations represent "complimentary" aspects of the same object's consistency, e.g., alike measuring the "complimentary" properties of a glass filled with a certain portion of water: if we increase that cup's ("half-full") water portion – we necessarily decrease its "half-empty" portion (and vice versa)! In the same manner, once we realize that the UCP's singular-integrated computation of any given object's "object-consistent" "mass" value, we necessarily decrease its "object-inconsistent": "time" value – hence "G-d's Physics" New Twenty-first Century Paradigm's elegant explanation of Relativity's discovered "dilation of time" for "massive" objects; and likewise for

high-energy relativistic objects (which as shown above, is simply derived from the close "interrelationship" between an object's "frame-inconsistent" ("energy") UCP's computation and its integrated computation of that object's "object-consistent" ("mass") value!

In fact, we surprisingly find that this New "G-d's Physics" Paradigm likewise offers a new simple (and elegant) explanation that fully integrates Heisenberg's "Uncertainty-Principle's" "complimentary-pairs" of "space" ("frame-consistent") and "energy" ("frame-inconsistent"), or "mass" ("object-consistent") and "time" ("object-inconsistent") values – as constrained by Planck's constant! This is because, unlike the "Material-Causal" assumption underlying "Heisenberg's Uncertainty Principle's" Quantum Mechanical explanation for the apparent "inter-dependency" between the subatomic measurement of any given "target" element – e.g., of its "time" and "mass" value, or between its "space" and "energy" values (as mutually constrained by Planck's constant, i.e., wherein any increase in the subatomic measurement accuracy level for any one of these "complimentary-pairs" would inevitably lead to a "proportionate" decrease in the subatomic accuracy level of the other pair's component); which explains this "Uncertain Principle's" mutual-accuracy level constraint – as "caused" by the direct physical interaction between the subatomic "probe" element's and its corresponding subatomic "target's" "complimentary-pairs property", so that an increase in the "probe's" accuracy of one of these two complimentary-pairs property (e.g., such as an increased accuracy measurement of the probe's "spatial localization") – would inevitably "cause" a proportionate "decrease" in the corresponding target's complimentary-pair's other property (e.g., the target's "energy" value); Unlike this "Material-Causal" QM's explanation of Heisenberg's "Uncertainty Principle", the New "G-d's Physics" "A-Causal Computation" Paradigm posits that these subatomic "complimentary-pairs" interdependency arises – not as "Caused" by any direct physical interactions between the subatomic "probe" and "target" elements, but rather stems from the singular-integrated computation of the "Universal Computational/Consciousness Principle" (UCP): Specifically, from the "complimentary-exhaustive" computation of the UCP's two (out of three) Computational-Dimensions' " (mentioned above and previously) "Frame" – "consistent" ("space") and "inconsistent" ("energy"), or "Object" – "consistent" ("mass") and "inconsistent" ("time") computational combinations! In other words, in the same manner that when we look at (or even measure) the physical properties of a "half-full", "half-empty" cup of water, we cannot measure at the same time both the 'half-full' and 'half-empty' physical properties of the cup – but rather we can only focus on one of these "complimentary" physical properties; in the same manner, when we "focus" in a photograph – either on a given "object", or on its "setting", but not on both simultaneously (and in

fact the greater the "focus" given to that given "object"- the more "diffuse" is the perception of its surrounding "setting"!); Likewise, it is suggested that these UCP's two "exhaustive-computational pairs" of either the object's "Frame"- "consistent" ("space") and "inconsistent" ("energy") computational measures, or of the (object's) "Object" – "consistent" ("mass") and "inconsistent" ("time") computational measures jointly and exhaustively define that object's given physical properties; e.g., so that when we increase our "focus" or "measurement accuracy" of a given subatomic "target's" – say "spatial" ("Frame-consistent") "space" localization measurement, we necessarily decrease that subatomic "target's" "energy" ("Frame-inconsistent") measurement accuracy! Simply because these two Object-"consistent"/"inconsistent" computational measurements "exhaustively" define its "Object" Consistency (e.g., consistent/inconsistent) across a given series of UF's frames! (And likewise, the subatomic target's two "Object-consistent" "mass" and "Object-inconsistent" "time" computational measures exhaustively define its "Object-Consistency" physical properties across a given series of UF's frames!)

Thus, the discovery of "G-d's Physics" New "Universal Computational Formula" brought about an entirely new conception and understanding of the complete unification and integration of the four basic physical properties of "space" ("Frame-consistent") and "energy" ("Frame-inconsistent"), or "mass" ("Object-inconsistent") and "time" ("Object-inconsistent") physical properties; not as existing "separately" or "independently" of each other, yet possessing certain physical "interrelationships"; But, rather as representing "secondary computational" features of the same integrated (singular higher-ordered) UCP which simultaneously computes all of these four possible combinations pertaining to any given object's "Frame" (consistent/inconsistent) or "Object" (consistent/inconsistent) physical features! Indeed, this completely new way of looking at- and understanding- the nature of the physical universe as being continuously computed- "dissolved" re-computed- and evolved- by this singular higher-ordered UCP entirely alters our basic theoretical understanding of the origin- nature- and evolution- of the physical universe... The four basic physical properties of "space" and "energy", "mas" and "time" cease to exist as "independent" physical properties, but are rather seen as integrated "exhaustive-complimentary" computations of the singular (higher-ordered) UCP simultaneous computation of every exhaustive spatial pixel in the entire universe (e.g., at the incredible rate of " $c^2/h$ " –  $1.36^{50}$  sec!) Moreover, this new "Universal Computational Formula" (UCF) also portrays the apparently "different" (and even "contradictory") properties of Relativity Theory (RT) and Quantum Mechanics (QM) as representing different aspects of the same integrated (simultaneous) computation of the singular higher-ordered UCP! As indicated above, this is clearly seen in the two

Computational Formats" of the same "Universal Computational Formula" (UCF) – in which certain (key) features of both RT – such as the "Energy-Mass Equivalence", and QM's Heisenberg's "Uncertainty Principle's" can be seen as "special" (limiting) cases within the UCF's Relativistic or Quantum Formats! Indeed, alongside the empirical validation of this New "G-d's Physics" 21<sup>st</sup> Century Paradigm – e.g., based on its unique "Critical Predictions" pertaining to the "Non-Continuous Accelerated Expansion of the Universe" on the Jewish New-Year ("Rosh-Hashana") (due to "G-d's Physics" postulated "Collective Human Consciousness Focus Hypothesis), and its predicted greater number of "Fine-Temporal-Measurements" (FTM) of relatively "more massive" subatomic particles (such as the "Muon") in comparison to the corresponding number of FTM of a relatively "less massive" particle (such as the electron) which would establish this New "G-d's Physics" Paradigm as the New satisfactory 21<sup>st</sup> Century Paradigm; in parallel to the necessary empirical validation of this New "G-d's Physics" Paradigm – which was called for multiple times but unfortunately experimental physicists have failed to test this unique "Critical Predictions" – as "bold" Eddington did 101 years ago, which allowed for Relativity Theory to be "crowned" as the New Paradigm for 20<sup>th</sup> century Physics (alongside QM at the subatomic level); there would need to be further scientific exploration of this novel discovered "Universal Computational Formula" – in terms of its broader theoretical conceptualization – within which RT's and QM's key "Energy-Mass Equivalence" and QM's Heisenberg's "Uncertainty Principle" exist as "special-cases" (e.g., as clearly envisioned by the great Einstein himself!)

#### 4. "G-d's Physics" "Moral" Purposeful "Reverse-Time" Goal-Oriented Cosmos!

As "amazing" as this New "G-d's Physics" New 21<sup>st</sup> Century Physics Paradigm's discovery of the complete unification of the four basic physical features of "space" and "energy", "mass" and "time" (as "exhaustive-complimentary" secondary computational features of the singular higher-ordered UCP!); the profound nature of the "Theoretical Assumptions" of this New "G-d's Physics" Paradigm completely alter our basic understanding of the "origin"- nature- sustenance- "dissolution"- and indeed ultimate "Goal" of the evolution- of the entire cosmos (e.g., at the "unfathomable" rate of " $c^2/h = 1.36^{-50}$  sec'!) This is because the entire new theoretical framework of this New "G-d's Physics" Paradigm talks about the existence of "Ten Laws of Hierarchical Manifestation" of which the UCP's simultaneous computation of these four basic physical features, e.g., through this newly discovered "Universal Computational Formula" (UCF) – represents only the "lowest" "Law of Manifestation", which is indeed "contingent" and entirely "dependent" upon the other nine higher "Laws of Manifestation"! Thus, for instance, the New "G-d's Physics" Paradigm postulates that the UCP's simultaneous computation of all

exhaustive spatial pixels' (in the universe) four basic physical features produces only the "present" Universal Frame (UF) – which is embedded- and indeed completely dependent- upon the UCP's possession of a higher-ordered ("Dynamic-Equilibrium") "Moral-Principle" and the existence of a complete "Multi Spatial-Temporal Reservoir" containing all "past", "present" and "multiple (possible) future/s" UF's frames! This is because according to the New "G-d's Physics" Paradigm, this singular higher-ordered UCP possesses certain intrinsic propensities such as for instance its intrinsic "Dynamic-Equilibrium" Moral Principle stemming from several "Computational Invariance Principle", "Universal Consciousness Reality" and "Inseparability Principle" theoretical postulates: According to the "Computational Invariance Principle" – only the "computationally-invariant" UCP, which exists both "during" each consecutive UF's frame's computation of all exhaustive spatial pixels (within each consecutive frame) as well as solely exists "in-between" any two consecutive UF's frames (e.g., without the existence of any physical universe)! Whereas the four basic physical features of the physical universe (described above: of "space" and "energy", "or" "mass" and "time") exist only as "computationally-variant": "transient", "phenomenal" "manifestations" of this singular "Universal Consciousness Reality" (UCR or UCP) – because they only exist "during" each consecutive UF's frame/s (as solely computed by this singular higher-ordered UCP) but "dissolve" back into the singularity of the UCP (or UCR) "in-between" any two consecutive UF's frames (in which only this singular UCP exists)! Hence, the "Universal Consciousness Reality" (UCR) posits that there truly exists only one singular unitary "Universal Consciousness Reality" (UCR) which exists consistently and unitarily (without any intrinsic change!) both "during" its computation of each exhaustive spatial pixel comprising the extremely rapid series of UF's frames, as well as solely exists "in-between" any two consecutive UF's frames, e.g., without the presence of any physical universe! Moreover, this singular unitary "Universal Consciousness Reality" (UCR) is also characterized by an "Inseparability Principle" and associated Moral "Dynamic-Equilibrium" Principle – essentially pointing at the exhaustive and singular composition of all exhaustive spatial pixels in the universe, as well as all Individual Human Consciousness (e.g., individual Human-Beings) as solely comprised from- and "inseparable" parts of this unitary "Universal Consciousness Reality" (UCR) – which manifests as this singular unitary UCR's intrinsic "Dynamic-Equilibrium" Moral Principle that strives to "balance" any "immoral-choice" taken by any Individual Human Consciousness (towards any other "Individual Human Consciousness")!

A "Trampoline-Metaphor" was utilized to demonstrate this intrinsic "Dynamic-Equilibrium" Moral Principle; imagine a "Trampoline-sheath" upon which a solid "metal-bar" is placed, e.g., "connecting" two specific points along this "Trampoline-sheath", and imagine that

one of these "trampoline-sheath-points" (representing one Individual Human Consciousness) "chooses to "inflict pain" upon another "trampoline-point" (also representing an Individual Human Consciousness) – which would be represented by one of these points (called the "inflicting-pain" Individual Human Consciousness) "pushing" this "metal-bar" against the "other-point"?! Inevitably, this would lead to that "metal-bar" being pushed ("automatically") against the first "inflicting-pain" Individual Human Consciousness (right?); So, this simple "Trampoline-metaphor" is utilized to demonstrate the UCP's (or UCR's) intrinsic tendency to "balance" and "correct" any "moral-imbalance" created by one Individual Human Consciousness "choosing" to "inflict-pain" upon another "Individual Human Consciousness" – which inevitably leads this singular higher-ordered UCP (or UCR) to produce an "equivalent-situation" in which the "inflicting-pain" Individual Human Consciousness would have to "experience" the same "type" and "degree" of "pain"/"suffering" that it chose to inflict upon the other Individual Human Consciousness, at a subsequent certain UF's frame/s! This implies that the "moral-choices" taken by each Individual Human Consciousness at any given point in time "triggers" the UCP's "correction" process to bring about an equivalent situation that would allow the "inflicting-pain" Individual Human Consciousness to experience that "immoral-act's pain" – and hence "correct" its own Consciousness accordingly, leading (hopefully) to its own "moral-remorse" and "moral-decision" to not repeat such "immoral actions", e.g., which in the Jewish-Wisdom and Tradition is called "Teshuva"!

So, we find out that according to the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Physics, there exist "multiple possible future/s" (stored within the UCP's "Multi Spatial-Temporal Reservoir") – one of which would be "selected" by the UCP based on the "moral/immoral choice/s" of any given Individual Human Consciousness at any given point in time... It is obviously "inconceivable" to even try and imagine (or comprehend) the "infinite complexity" or "Intelligence" required by this singular higher-ordered UCP (or UCR) in order to compute for each consecutive UF's frame/s all of the necessary "moral-corrections" for each of the almost eight Billion Individual Human Consciousness living on our "Earth" Planet – representing one of multifarious possible "future/s" for each such Individual Human Consciousness! Nevertheless, this new conception of the physical universe as representing only a "transient-phenomenal" manifestation of this singular higher-ordered UCP (or UCR) – driven by certain intrinsic "Dynamic-Equilibrium" Moral Principle definitely opens up a completely new and profound understanding of the nature, dynamics and even "ultimate Goal" of this singular Universal Consciousness Reality, i.e., of producing a "Morally-Perfect", "Spiritually-Oriented" Unitary "Geula" ("Redemption") State of the World and Universe! Indeed, one of the most profound new understandings and theoretical postulates

of this New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Physics was termed: the "Reversed-Time Goal Hypothesis" which postulated that this singular unitary UCR computes the (almost) infinite series of UF's frames – including all "past", "present" and "future/s" UF's frames, from the standpoint of its "ultimate future" State of complete "Moral, Spiritual and even Physical Perfection", (e.g., called: "Geula" in Jewish Tradition) – towards all "past", "present" and "future" UF's frames, i.e., so that all of this "infinite" progression of all "past", "present" and "future" UF's frames is directed towards reaching the pre-ordained Goal of the Perfected "Geula" State! Hence, for instance, following "G-d's Physics" principle negation- and rejection- of the Old "Material-Causal" 20<sup>th</sup> Century Paradigm's assumption whereby the physical universe was created by a "random" "Big-Bang" nuclear event and is gravitating towards an inevitable "dissolution" of all galaxies, suns, etc. (based on the "Second Law of Thermodynamics"), as well as of Darwin's "Natural Selection Principle" evolutionary theory – based on "G-d's Physics" New "A-Causal Computation" Paradigm indicating that there cannot exist any direct physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or other- UF's frames (thereby principally negating all such "Material-Causal" Models and assumptions etc.); Following this principle negation of the very possibility of the existence of any such "material-causal" physical interactions, the New "G-d's Physics" Paradigm posited that the singular UCR drives the evolution of all "inanimate", "animate": plants, animals and Human Beings – based on this "Reversed-Time Goal Hypothesis" aiming at the appearance of more conscious forms of Physical and Biological complexity – ultimately leading to the appearance of Human-Beings, and ultimately leading to their recognition and acceptance of this singular, higher-ordered Morally, Physically and Spiritually Perfected "Geula" State! In this "Geula" State of Science and Humanity, e.g., with the acceptance of this New "G-d's Physics" 21<sup>st</sup> Century Paradigm, there is a recognition of the singular and sole existence of the UCR, and its accompanying theoretical understandings of the "Dynamic-Equilibrium" Moral Principle and the important role of Individual Human Consciousness (Human-Beings) "moral-choices" and advancement of the recognition and awareness of this Perfected "Geula State", previously described in length...

**Dedication:** This article is dedicated in memory of dear beloved Mrs. Diana Raz, who shed so much light and Goodness in the lives of so many couples but whose own life was stumped at such an early age leaving behind four innocent children, may her Memory Blessed and may her Soul ascend to Paradise (where she belongs)...

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## "G-D'S PHYSICS" NEW 21<sup>ST</sup> CENTURY'S SCIENTIFIC PARADIGM: TRANSCENDING SPACE, TIME & CAUSALITY

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\*Note: Dr. Bentovish is currently seeking the most appropriate leading Academic Institute to assist him in carrying-out further necessary empirical validation and Theoretical elaboration of his New Twenty-first Century New 'G-d's Physics' Paradigm.

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### ABSTRACT

Twenty-first century Theoretical Physics is shifting from the Old "Material-Causal" Paradigm of 20<sup>th</sup> century Relativity Theory (RT) & Quantum Mechanics (QM) to the New "G-d's Physics" ("Computational Unified Field Theory", CUFT) Paradigm based on its discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{-50}$  (sec)!" thereby producing an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every "minimal time-point"! Based on this New "G-d's Physics" (CUFT) discovery of the UCP extremely rapid (simultaneous) computation of every exhaustive spatial pixel in the universe for each consecutive UF's frame, and the complete "dissolution" of the entire physical universe back into the singularity of the UCP "in-between" any two such consecutive UF's frames, therefore the New "G-d's Physics" "A-Causal Computation" negates the very possibility of the existence of any "material-causal" (direct or even indirect) physical interactions between any two (or more) exhaustive spatial pixels existing wither in the same- or different- UF's frames! Likewise, the discovery of the New "G-d's Physics" Paradigm's singular higher-ordered UCP's simultaneous computation of the four basic physical features of "space" and "energy", "mass" and "time" for each exhaustive spatial pixel (at each consecutive UF's frame/s) based on two of its "Computational Dimension" of "Framework" and "Consistency" alters our basic conception of these four basic physical features as existing only "transiently" and "phenomenally" – as a mere "manifestation" of this singular "Universal Computational/Consciousness Principle" (UCP) which exists uniformly both "during" its computation of every consecutive UF's frame/s, and also solely exists "in-between" any two consecutive UF's frame/s without the presence of any physical universe "in-between" any two UF's frames! Hence, the new emerging "picture" of the universe is one in which the intrinsic "Ten Laws of Hierarchical Manifestation" characterizing this singular higher-ordered UCP become central in our understanding of the origin-nature and "Ultimate-Goal" of this UCP, inevitable leading to a "Perfected: Moral, Spiritual and Physical State" termed "Geula" (in Jewish Tradition) in which both Humanity and Science will recognize the singular presence of this "Universal Consciousness Reality" (UCR) and its intrinsic characteristics of "Unity", "Morality", "Peace" and "Harmony"!

### 1. INTRODUCTION: "G-d's Physics" New Twenty-First Paradigm

Twenty-first Century Theoretical Physics is undergoing a basic "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" (e.g., "Computational Unified Field Theory", CUFT) Paradigm! The characterization of such a "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" Paradigm was succinctly analyzed by the well-known Philosopher of Science, Thomas Kuhn (1962), which include:

a) The Existence of Apparent "theoretical inconsistencies" Between the "Pillars" of the "Old Paradigm": Indeed, Relativity Theory (RT) and Quantum Mechanics (QM) seem "theoretically

inconsistent" due to the RT's strict "Speed of Light Barrier" for the transmission of any signal- or information- across space and time, as opposed to QM's allowance for "instantaneous effects" such as the empirically validate "Quantum Entanglement" phenomenon (in which the subatomic measurement of one "entangled-particle" "instantaneously" determines or affects the complimentary subatomic measurement of another "entangled" subatomic particle); Another basic apparent "theoretical inconsistency" between RT and QM relates to RT's "positivistic" determination of any relativistic space-time, or energy-mass etc. phenomenon (or measurement), as opposed to QM's only "probabilistic" capacity to determine any

(complimentary) "space-energy", "mass-time" subatomic "target" measurement.

- b) The Old Paradigm's Inability to Explain Major Empirical Phenomena: One of the "glaring" examples of the Old "Material-Causal" Paradigm's inability to explain major empirical phenomena is the empirically observed phenomenon of the accelerated expansion of the physical universe: According to the Old "Material-Causal" Paradigm this accelerated expansion of the universe is hypothesized to be "caused" by the (purely hypothetical) "dark-matter" and "dark-energy" concepts- which could not be detected – despite numerous attempts to do so! This is indeed reminiscent of the pre-Relativity's Older Newtonian stipulation of the existence of a purely hypothetical "Ether" concept which was supposed to "perfuse" the entire physical universe but which yet could not be detected despite numerous empirical attempts to do so! And this is where Einstein's "genius" came into play when he simply "discarded" this purely hypothetical "Ether" concept as "superfluous" (i.e., non-existent!); Similarly, the New "G-d's Physics" Scientific Paradigm discards the existence of the purely hypothetical "dark-matter" and "dark-energy" concepts as "superfluous", that is non-existent!
- c) Identification of Unique "Critical-Predictions" Associated with the "New Paradigm" that Cannot be Accounted for by the "Old Paradigm": The New "G-d's Physics" Paradigm identified at least two unique "Critical Predictions" that differentiate it from the predictions of both Relativistic and Quantum predictions: 1) the greater number of times that a relatively "more massive" particle such as the "Muon" would be detected across a given number of "Fine-Temporal Measurements" (FTM) within a subatomic accelerator, than the number of corresponding times across this given FTM measurement of the detection of a relatively "less massive" particle such as the electron; due to the UCP's computation of the "mass" of any given object as the number of times in which that object or particle is computed "consistently" in terms of its "object-consistent" mass computational definition (delineated previously); 2) The New "G-d's Physics" Paradigm predicted that there will be measured a "Non-Continuous Acceleration of the Universe" at the "Jewish Rosh-Hashana" special two days' time interval due to the "Collective Human Consciousness Focus Hypothesis" which is hypothesized to bring about an increase in the UCP's computation of the accelerated number of additional exhaustive spatial pixels added to each consecutive UF's frame/s (beginning at each Jewish New Year)! Both of these unique critical predictions cannot be accounted for by either Relativistic or Quantum Models, and therefore their empirical validation would unequivocally point at the validation of the

New "G-d's Physics" (CUFT) Paradigm as the new valid Paradigm for 21<sup>st</sup> Century Physics!

The New "G-d's Physics" Paradigm may be described succinctly as based on several new Theoretical Postulates including:

**a) The "Universal Computational/Consciousness Principle"**

According to the New "G-d's Physics" Paradigm, there exists a singular higher-ordered Universal Computational/Consciousness Principle (UCP) which *simultaneously* computes every exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h = 1.36^{50}$  sec(!)" giving rise to an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every such "minimal time-point", wherein "in-between" any two such consecutive UF's frames the entire physical universe "dissolves" back into the singularity of this UCP! This UCP possesses three "Computational Dimensions", e.g.,: "Framework" ("frame" vs. "object"), "Consistency" ("consistent" vs. "inconsistent") and "Locus" ("global" vs. "local") – two out of which "Framework" and "Consistency" produce the four basic physical features of "Framework" – "consistent" ("space") or "inconsistent" ("energy") and "Object" – "consistent" ("mass") or "inconsistent" ("time) physical features that continuously and simultaneously compute any exhaustive spatial pixel in the universe for each consecutive UF's frame/s! Another key new discovery made by the New "G-d's Physics" (CUFT) Paradigm is its insistence that this singular higher-ordered UCP *simultaneously computes* all of the exhaustive spatial pixels in the universe for each consecutive UF's frame/s at the incredible rate of " $c^2/h = 1.36^{50}$  sec(!)"; and that "in-between" any two consecutive UF's frames the entire physical universe and all of its constituting exhaustive spatial pixels "dissolve" back into the singularity of this singular higher-ordered UCP!

**b) "G-d's Physics" New "A-Causal Computation" Paradigm**

Based on "G-d's Physics" New Paradigm's discovery that the singular higher-ordered UCP *simultaneously computes* all exhaustive spatial pixels comprising the entire physical universe – for each consecutive UF's frame/s (and that "in-between" any two consecutive UF's frames the whole universe "dissolves" back into the singularity of the UCP), a new "A-Causal Computation" characterization of "G-d's Physics" New Paradigm is acknowledged: essentially, the simultaneity of the UCP's computation of all exhaustive spatial pixels (and their complete "dissolution" "in-between" any two consecutive UF's frame/s back into the UCP) means that there cannot exist any "material-causal" physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames! Rather, the same singular UCP computes simultaneously all exhaustive spatial pixels comprising the entire physical universe – which implies that there cannot exist any Relativistic or Quantum "material-

causal" physical relationships, interactions, or effects! This negated many of the Old "Material-Causal" (20<sup>th</sup> Century Physics) Paradigm's basic assumptions underlying both Relativity Theory and Quantum Mechanics, including: the "Big-Bang" Model, Einstein's Equations, discarding of the hypothetical "dark-matter" and "dark-energy" concepts etc.

### e) The "Computational Invariance Principle" & "Universal Consciousness Reality"

Another key new theoretical postulate of the New "G-d's Physics" Paradigm is the "Computational Invariance Principle" which posits that since only the UCP exists – continuously and consistently both "during" each consecutive UF's frame/s – solely computing (simultaneously) all exhaustive spatial pixels' four basic physical features of "space" and "energy", "mass" and "time", and also singularly exists "in-between" any two consecutive UF's frame/s (without the presence of the physical universe), therefore the "Computational Invariance Principle" theoretical postulate asserts that only this singular UCP may be regarded as "computationally-invariant" existing uniformly and "consistently" – both "during" its computation of each consecutive UF's frame/s and also "in-between" any two consecutive UF's frame/s, whereas the four basic physical features being computed for all exhaustive spatial pixels in the universe may only be regarded as "computationally-variant", e.g., existing only "transiently" and "phenomenally" ("during" each consecutive UF's frame/s but "dissolving" "in-between" any two consecutive UF's frames)! This new (profound) realization of the "Computational Invariance Principle" of "G-d's Physics" New Paradigm is also associated with another new theoretical postulate termed: the "Universal Consciousness Reality" (UCR) which posits that since the whole physical universe (e.g., and all of its constituting exhaustive spatial pixels) is only regarded as "computationally-variant" – existing only "transiently" "during" each consecutive UF's frame/s but "dissolving back into the singularity of the UCR, whereas the singular higher-ordered UCP is considered to be "computationally-invariant" (existing continuously and consistently both "during" each consecutive UF's frame/s as computing each exhaustive spatial pixel's four basic physical features of "space" and "energy", "mass" and "time", as well as solely existing "in-between" any two consecutive UF's frames without the presence of any physical universe); therefore there only exists one singular "Universal Consciousness Reality" which exists consistently and continuously – manifesting as the phenomenal physical universe "during" its computation of every exhaustive spatial pixel of each consecutive UF's frame/s and existing without the presence of the physical universe, in-between any two consecutive UF's frames! Indeed, this new "Universal Consciousness Reality" carries with it a profound alteration of our basic perception and understanding of the physical universe – which ceases to exist as an "objective-independent" reality, and it transformed into the new theoretical

understanding that (in truth) the entire physical universe only represents a "phenomenal, transient manifestation" of this singular UCR!

### d) The "Universal Computational Formula"

Based on "G-d's Physics" (CUFT) New Paradigm's discovery of the Universal Computational/Consciousness Principle (UCP) and its simultaneous computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s it also revealed the existence of an integrated simultaneous computation of all the four basic physical features of "space" and "energy", "mass" and "time" as computed based on two out of the three basic "Computational Dimensions" of the UCP (delineated further below and previously):

### Universal Computational Formula (UCF)

$$\left. \begin{array}{c} \text{׃} \\ c^2 \\ - \\ h \end{array} \right\} = \frac{s * e}{t * m}$$

UF's {ד...ה...ו}

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("׃") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "ו through "ד" to "ה") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: " $c^2/h = 1.36^{-50}$  sec'!

### e) The "Dynamic Equilibrium" Moral Principle & UCP's "Multi Spatial-Temporal Reservoir"

Another key theoretical postulate of this New "G-d's Physics" Paradigm is the discovery of the UCP's associated "Dynamic-Equilibrium" Moral Principle and its associated "Multi Spatial-Temporal Reservoir" bank of all "past", "present" and multiple possible "future/s" UF's frames based on the "Moral/Immoral Choices" of each Individual Human Being towards another human being; Essentially, due to the "inseparability" of all Individual Human Consciousness (human beings) from this singular higher-ordered "Universal Consciousness Principle" (UCP) the New "G-d's Physics" Paradigm asserts that there is a basic fundamental "Dynamic-Equilibrium" Moral Principle characterizing the operation of this UCP – such that any "immoral-imbalance" created by any "immoral choice" made by any Individual Human Consciousness towards another Individual Human Consciousness is "corrected" and "balanced" by the UCR in a manner in which that

Individual Human Consciousness which chose to "inflict pain/suffering" upon another Individual Human Consciousness – the UCP is selecting one of multiple "possible future/s" UF's frame/s in which it will also have to experience the same (nature and degree) of pain/suffering that it inflicted upon the other Individual Human Consciousness in order that it learns and realizes the basic "unity" and "inseparability" of all Individual Human Consciousness from the singular higher-ordered UCP and honors and respects all other such Individual Human Consciousness (just as pointed out by the Alter-Rebbi, Rabbi Schneur-Zalman in his famous Tanyah Book, chapter 32)! Additionally, according to this new "Dynamic-Equilibrium" Moral Principle, since the whole "purpose" of the UCP's associated "Dynamic-Equilibrium" Moral Principle is to "teach", "correct" or "balance" any "immoral-choice/s" of any Individual Human Consciousness so that that Individual Human Consciousness acknowledges and "realizes" its "unity" with the UCP and inseparability from all other Individual Human Consciousness – so that it could not and would not consider or execute any "immoral-choice/s" toward any other Individual Human Consciousness, therefore there is another possibility carved out by the singular higher-ordered UCP of "teshuvah" – e.g., repentance, a sincere regret relating to the "immoral choice" and a conscious decision not to repeat it in the future – which "circumvents" and replaces the need of that Individual Human Consciousness to experience itself the abovementioned "negative future" that is equivalent to its own "wrongdoing"... Finally, this "Dynamic-Equilibrium" Moral Principle may be seen as part of the overall "Goal" of the UCP's constant and continuous origination- sustenance- "dissolution" and evolution- of the entire physical universe – which is to bring the World towards its "Perfected- Geula" State of Moral, Spiritual and even Physical Perfection, in which the oneness and integrity of all creation as part of the singularity of the UCP will be realized and acknowledged by Humanity, see next "Reversed-Time Goal Hypothesis" theoretical postulate;

**f) The UCR's "Expansive Consciousness Spectrum Hypothesis" & "Reversed-Time Goal Hypothesis"**

Another two profound and key theoretical postulates of the New "G-d's Physics" Paradigm are: the UCR's – "Expansive Consciousness Spectrum Hypothesis" & "Reversed-Time Goal Hypothesis"; the "UCR's Expansive Consciousness Spectrum Hypothesis" stipulates that as part of the UCP/UCR's ultimate Goal of driving the world (and entire universe) towards a "Perfected State" – called "Geula" in Jewish Tradition in which the oneness and unity of all creation as integral parts of the singular higher-ordered UCP/UCR will be recognized by Humanity; the UCR computes- ", "dissolves", "re-computes"- and evolves- the forms manifested by this singular UCP/UCR from "inanimate" matter (e.g., subatomic particles and the entire macroscopic universe) through "animate" forms of

plants, then animals then human-beings – which represents the most "expansive" form of Consciousness; and ultimately leads this much "refined" and more "Expansive" form of Human Consciousness towards its ultimate "expanded" manifestations of this singular Universal Consciousness Reality which are expressed in the "expanded form of Individual Human Consciousness" (previously delineated) in which Individual Human Consciousness "expands" to a state in which it is "not separate" and functions in "unity" with the Universal Consciousness Reality (e.g., sometimes related to as states of "Prophecy" such as with Moses!); Another manifestation of this expansion of Individual Human Consciousness occurs also in "special times" and states of "Collective Human Consciousness Focus (Hypothesis)" (also delineated below and previously) – such as during the Jewish "Rosh-Hashana" (New Year) time-interval in which Millions of Jews (all over the world) collectively focus on- and pray to- this singular higher-ordered "Universal Consciousness Reality", i.e., "G-d"! As published and delineated previously, this New "G-d's Physics" profound expansive new perspective on the development and evolution of the entire cosmos – including its "inanimate" manifestations of all material compositions, e.g., including the relativistic accelerated expansion of the physical universe as well as all subatomic (quantum) particles, forces and phenomena, all "animate" forms of "plants", "animals" and "human-beings" brings about an entirely new and integrated view on the origination- and evolution- of the physical universe and all biological forms – not as "caused" by any "random" Big-Bang nuclear explosion but as driven and computed by the singular higher-ordered UCR whose sole Goal is to bring the entire physical universe and our own world towards the State of "Geula" Perfection (Morally, Spiritually and Physically); Indeed, the additional "Reversed-Time Goal Hypothesis" theoretical postulate posits that the entire origination of the entire physical universe continuous and constant computation by the UCP (simultaneously) of all exhaustive spatial pixels in the universe for every consecutive UF's frame/s from its onset- in the "first" UF frame and until this date and onwards until the UCP/UCR brings the universe into its ultimate "Goal" of a Perfected: Morally, Spiritually and Physically State; This "Reversed-Time Goal Hypothesis" simply posits that the entire origination- sustenance and evolution of the entire physical universe – is driven by its drive to bring the world towards its ultimate Perfected "Geula" State of Moral, Spiritual and even Physical Perfection (e.g., in which there will not be any longer "death"!); a State in which all Human Being will recognize and realize the oneness of all creation with this singular higher-ordered Universal Consciousness Reality (UCR), and therefore there could not exist any longer any such "negative" phenomena of "violence", "aggression", crimes" or "immoral behavior", and on the contrary Humanity's (and Science's) ultimate recognition of the singular higher-ordered UCR as the sole reality that drives and sustains the entire universe will lead to an

attitude of "reverence", "gratitude" and "studying" of this "All-Goodness", "Divine" "Universal Consciousness Reality" ("G-d"!), as anticipated by the great Jewish Sage and Teacher, Maimonides (in his monumental "Mishna-Torah" masterpiece)...

In order to fully appreciate the significance of this New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics let us encapsulate the major conceptual differences between the Old "Material-Causal" Paradigm and the New "G-d's Physics" (CUFT) Paradigm: Succinctly stated, the Old "Material-Causal" Paradigm assumed that any relativistic or quantum phenomenon can be explained strictly through direct (or even indirect) physical interaction/s between a finite number of material or physical elements (or forces etc.); Based on this basic "Material-Causal" assumption, the Old "Material-Causal" Model explains the origination of the physical universe as "caused" by an initial "Big-Bang" nuclear event which is assumed to have created all the stars, galaxies, "energy" and "matter" in the universe; Likewise, Einstein's (famous) Equations underlying General Relativity Theory assume that it is the direct physical interaction between certain "massive objects" and "Space-Time" which "causes" the "curvature" of Space-Time, and conversely, that it is this "curved Space-Time" which "causes" or determines the "travelling-pathways" of those "massive objects" and other "less-massive" objects. In a similar manner, Quantum Mechanics explains the dynamics of the subatomic realm based on the same basic "Material-Causal" assumption wherein it is assumed that it is the direct physical interaction between a given subatomic "target's probability wave function" and a corresponding subatomic "probe" element – which "causes" the "collapse" of the target's "probability wave function" into a single (complimentary "energy-space"/"time-mass") value. However, contrary to this Old Material-Causal Paradigm (of RT & QM) basic assumption wherein it is the direct physical interaction between any given relativistic "massive-objects" and "Space-Time" which "causes" the curvature of Space-Time (or conversely that it is this "curved Space-Time" which "causes" the travelling-pathways of these massive/less-massive objects); or that it is the direct physical interaction/s between the subatomic target's "probability wave function" and a corresponding "probe" element – which "causes" the "collapse" of the probability wave function into singular complimentary value; the New "G-d's Physics" (CUFT) Paradigm negates the very possibility of the existence of any such direct physical interaction/s between any two (or more) exhaustive (relativistic or quantum) spatial pixels in the universe – based on the discovery of the existence of the singular higher-ordered UCP which *simultaneously computes* all exhaustive spatial pixels comprising the entire physical universe, e.g., at any minimal-time point "Universal-Frame/s" (UF's) being computed by this singular UCP at the unfathomably rapid rate of " $c^2/h = 1.36^{-50}$  (sec)!" Based upon this profound new discovery of "G-d's Physics"

(CUFT's) New Paradigm of the *UCP simultaneous computation* of all exhaustive spatial pixels comprising each consecutive UF's frame/s, this results in "G-d's Physics" New "A-Causal Computation" Paradigm which strictly negates the very possibility of the existence of any direct (or even indirect) physical (or material) interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- of different-UF's frame/s! Moreover, due to "G-d's Physics" postulate that the entire physical universe (e.g., and all of its constituent exhaustive spatial pixels) completely "dissolve" "in-between" any two consecutive UF's frame/s back into the singularity of the UCP, therefore the New "G-d's Physics' A-Causal Computation Paradigm" principally negates the possibility of the existence of any direct (or indirect) physical interactions between any two (or more) exhaustive spatial pixels existing either in the same- or other- UF's and the impossibility of any "transference" of any physical interaction or effect/s (or any material entities) "in-between" any two consecutive UF's frame/s!

## 2. "G-d's Physics": An "A-Causal Computation" Paradigm!

One of the striking features of this New "G-d's Physics" Paradigm is its "A-Causal Computation" characterization: this stems from "G-d's Physics" discovery of the singular higher-ordered "Universal Computational Principle" (represented by the Hebrew letter "Yud": "י") which simultaneously computes all exhaustive spatial pixels in the universe for each consecutive Universal Frame/s (UF's), and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frame/s! Indeed, it is due to the simultaneity of this UCP's computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s and the "dissolution" of the entire physical universe "in-between" any two consecutive UF's frames – that the New "G-d's Physics" "A-Causal Computation" Paradigm asserts that there cannot exist any direct (or even indirect) physical interactions between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames! Hence, some of the most fundamental "Material-Causal" assumptions of the Old "Material-Causal" Paradigm (underlying both Relativity Theory and Quantum Mechanics) are deeply questioned and in fact negated!

Thus, for instance, Einstein's (General) Relativity Theory's basic "Einstein's Equations" which essentially postulate that it is the presence of certain "massive objects" (such as suns, planets etc.) that "cause" the "curvature of Space-Time" and that it is this "curvature of Space-Time" which also "causes" (or determines) the travelling pathways of those "massive" and other "less massive" objects, etc. In fact, Einstein's Equations allow for the determination of the origin- and future evolution- of the entire physical universe: The universe is assumed to have been "caused" or "originated" by an initial "nuclear event" – which created all of the suns' galaxies,

matter, energy (space and time), but this is strictly negated by the New "G-d's Physics" "A-Causal Computation" Paradigm due to the simultaneity of the UCP's computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s and the complete "dissolution" of the entire physical universe "in-between" any two such consecutive UF's frames! This implies that there could not have been any (direct or indirect) physical interaction/s between any two (or more) exhaustive spatial pixels either in the first- second- or n<sup>th</sup>- UF's frame/s, so that there could not have been an initial "Big-Bang" nuclear event that "caused" the creation and formation of the stars, galaxies, matter and energy in the universe! Because for each of these multifarious UF's frame/s all of its constituent exhaustive spatial pixels are being computed simultaneously – so that there cannot exist any direct or indirect physical interactions between any two or more exhaustive spatial pixels comprising any of these single or multiple UF's frames! And moreover, since all of these exhaustive spatial pixels comprising the entire physical universe "dissolve" back into the singularity of the UCP "in-between" any two such consecutive UF's frame/s, therefore there cannot exist any direct or indirect physical interaction or effect/s, or any "transference" of any "material entity" or any "physical effect" across any two consecutive UF's frame/s, thereby negating the possibility of the existence of any "material-causal" physical interactions between any two or more exhaustive spatial pixels existing either in the same – or different- UF's frame/s! So, the very "material-causal" basis of "Einstein's Equations" standing as the foundation of General Relativity Theory is indeed questioned and negated! This means that the physical universe – was not "caused" or "created" by an initial "Big-Bang" nuclear explosion or event! Rather, the entire physical universe is being continuously "created" (e.g. computed) simultaneously for each of its multifarious exhaustive spatial pixels by the singular higher-ordered UCP, i.e., for each consecutive UF's frame/s (with the entire physical universe "dissolving" and "ceasing to exist" in-between any two consecutive UF's frame/s! Likewise, General Relativity's Einstein's Equations depicting the continuous evolution of the physical universe – as "caused" by the dynamic (physical) interaction between the given "massive objects" found in the universe and their "curvature of Space-Time", or conversely the determination of the "travelling-pathways" of these massive or other less massive objects as "caused" by this "curved Space-Time" is simply negated by the New "A-Causal Computation" Paradigm once again due to the simultaneous computation of the UCP of each exhaustive spatial pixel for each consecutive UF's frame/s and the complete "dissolution" of all exhaustive spatial pixels "in-between" any two consecutive UF's frame/s!

Similarly, the New "G-d's Physics" "A-Causal Computation" Paradigm negates and completely revises our basic understanding of the nature, dynamics and evolution of any exhaustive subatomic spatial pixel – so

far assumed to operate based on QM's strict "Material-Causal" premise! Succinctly stated, QM assumes that the existence, characterization and dynamics of any given subatomic "target's probability wave function" can only be determined based on its direct physical interaction with another corresponding subatomic "probe" element – which "causes" the "collapse" of this "target's probability wave function" into a singular (complimentary) "space-energy" or "mass-time" value/s; But, this is once again strictly negated by the New "G-d's Physics A-Causal Computation Paradigm" since it simply asserts that there cannot really exist any such direct (or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels occupying the same- or different- UF's frame/s, which include the impossibility of the existence of any direct (or indirect) physical interaction/s between any two such given "target" and "probe" subatomic entities! Hence, QM's "Material-Causal" assumption wherein it is the direct physical interaction between these subatomic "target's probability wave function" and the corresponding "probe" element – that "causes" the "collapse" of this "target's "probability wave function" into a single (complimentary) value is strictly negated by the New "G-d's Physics A-Causal Computation" Paradigm! Instead, the New "G-d's Physics" (CUFT) Paradigm postulates that the singular higher-ordered UCP simultaneously computes "single-spatial-temporal particle" elements which comprise integral parts of the "multiple spatial-temporal wave" element/s which in turn are embedded within the UCP's computation of all exhaustive spatial pixels comprising the entire UF's frame/s!/?

Indeed, one of the fascinating new deeper understanding that arises from the discovery of the New "G-d's Physics" Paradigm is that instead of the Old "Material-Causal" Paradigm of 20<sup>th</sup> Century's Relativity's & QM's Physics – which tried to explain any given relativistic or quantum phenomenon by "breaking it down" to more rudimentary element's physical interaction/s – i.e., such as attempting to explain the origin- and evolution- of the physical universe based on the analysis of the (direct or indirect) physical interactions between its constituent "massive objects" and their "curvature of Space-Time" etc., or wherein QM tried to explain the dynamics and behavior of any subatomic "target" based on its direct physical interaction with another corresponding subatomic "probe" element; Or the Standard Model's attempt to explain the existence of the Four (basic) Forces (e.g., Strong, Weak, Electromagnetic and Gravitational) based on the analysis of finer subatomic particles' interactions; the New "G-d's Physics A-Causal Computation" Paradigm negates the very possibility of the existence of any such direct physical "material-causal" interactions (e.g., due to the simultaneity of the UCP's computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s, and the complete "dissolution" of the whole universe "in-between" any two consecutive UF's frame/s) – instead pointing at the sole "A-Causal Computation" of the UCP of the entire physical universe

(at each consecutive UF's frame/s), which was shown to lead to a studying of this UCP's singular higher-ordered "Universal Consciousness Reality" and its "Ten Laws of Hierarchical Manifestation".

### 3. "G-d's Physics" Transcends Causality & the Four Physical Features

But, prior to ascending higher to describing the singular higher-ordered "Universal Consciousness Reality" and its "Ten Laws of Hierarchical Manifestation", let us first review the New "G-d's Physics" basic theoretical postulates regarding the UCP's singular simultaneous computation of the four basic physical features of "space" and "energy", "mass" and "time" – as computed by the UCP's Three Computational Dimensions: "Framework" (frame/object), "Consistency" (consistent/inconsistent) and "Locus" (global/local) – specifically "Framework" and "Consistency"; According to the New "G-d's Physics" (CUFT) Paradigm the UCP simultaneously computes for each exhaustive spatial pixel the four basic physical features of "space" and "energy", "mass" and "time" as the four possible combinations of these two (out of three) UCP's "Framework" and "Consistency" Computational Dimensions: "space" and "energy" are computed as the UCP's "Framework" – "consistent" or "inconsistent" computational measures (of any given exhaustive spatial pixel), whereas "mass" and "time" signify the UCP's "Object" – "consistent" or "inconsistent" computational measures! Moreover, a key discovery of this New "G-d's Physics" Paradigm is that the UCP's simultaneous computation of all of these four basic physical features for each exhaustive spatial pixel (for each consecutive UF's frame/s) - is completely integrated and represented by the "Universal Computational Formula" (UCF):

#### Universal Computational Formula (UCF)

$$\left. \begin{array}{c} \text{׃} \\ c^2 \\ - \\ h \end{array} \right\} = \frac{s * e}{t * m}$$

UF's {׃...׃...׃}

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("׃") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "׃ through "׃" to "׃") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: " $c^2/h = 1.36^{-50}$  sec"!

This means that from the singular higher-ordered computational perspective of the UCP, its computation of each exhaustive spatial pixel's four basic physical features of "space" and "energy", or "mass" or "time" – are not computed "independently" but rather represent complimentary integral aspects of the same UCP's computation, thereby giving rise to some of the previously known Relativistic or Quantum "laws" or "relationship/s" such as the famous Relativistic "Energy-Mass Equivalence" or QM's well know Heisenberg's "Uncertainty Principle", as can be glanced from the two respective Relativistic and Quantum Formats of the same Universal Computational Formula (UCF), outlined previously.

Indeed, one of the previous (groundbreaking) articles published indicated that the New "G-d's Physics" (CUFT) Paradigm completely integrates (and unifies) between the four basic physical features of "space" and "energy", "mass" and "time" – for the first time in Theoretical Physics! Thus far, General Relativity was able to integrate "space" and "time", "energy and "mass", to point at the (apparent) "curvature of Space-Time" by "massive objects" etc., but it was not able to completely integrate and unify between these four basic physical features; In contrast, the New "G-d's Physics" Paradigm was shown capable of completely integrating between these four basic physical features (of "space" and "energy", "mass" and "time") – simply because they all represent different complimentary UCP's computation of any given exhaustive spatial pixel's respective "Frame"- "consistent" ("space") or "inconsistent" ("energy"), or "Object" – "consistent" ("mass") or "inconsistent" ("time") computational combinations; therefore they are not truly "separate" or "independent" of each other and are in fact being simultaneously computed by this singular higher-ordered UCP for each exhaustive spatial pixel comprising every consecutive UF's frame/s! Even beyond that, as shown previously, the New "G-d's Physics" (more advanced) theoretical postulates of the "Computational Invariance Principle" and its closely related "Universal Consciousness Reality" indicated that to begin with – the UCP singular (higher-ordered) computation of those four basic physical features pertaining to each exhaustive spatial pixel comprising the entire physical universe represent only "transient-phenomenal" ("computationally-variant") manifestations of the only "consistent" and "permanent" ("computationally-invariant") singular UCP's reality which exists both "during" each consecutive UF's frame/s and also solely exists "in-between" any two consecutive UF's frame/s! Hence, the "Computational Invariance Principle" asserted that since only the UCP exists continuously and constantly – both "during" its simultaneous computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s, and also exists singularly (and solely) without the presence of any physical universe "in-between" any two such consecutive UF's frames, whereas these four basic physical features associated with each exhaustive spatial

pixel in the universe exist only "during" each UF's frame, but "dissolve" and "cease to exist" "in-between" any two consecutive UF's frames, therefore only this singular UCP may be regarded as "real" and "constant", whereas those four basic physical features associated with all exhaustive spatial pixels in the universe may only be regarded as "phenomenal" and "transient" and therefore should be regarded as only manifestations of this singular UCP; Indeed, the full embodiment of this New "G-d's Physics" Model was expressed in the "Universal Consciousness Reality" (UCR) theoretical postulate which postulated that since the only "computationally-invariant" entity that exists uniformly both "during" the UCP's computation of each consecutive UF's frame/s and also "in-between" any two consecutive UF's frame/s is this "Universal Computational Principle", and since there cannot exist any "transference" of any "material entity" or even any "exhaustive spatial pixel/s" across any two consecutive UF's frames; therefore this UCR (profound) theoretical postulate asserts that this Universal Computational Principle (UCP) must indeed "possess" certain basic "Universal Consciousness Principle" or in fact "Universal Consciousness" characteristics – which "retain", "sustain", and "evolve" every exhaustive spatial pixel in the universe across the series of UF's frames that sustain and evolve the entire physical universe! In other words this New "Universal Consciousness Reality" (UCR) asserts that there truly exists only one singular higher-ordered Universal Consciousness which "manifests" as the physical universe "during" each consecutive UF's frame/s, and exists solely without the presence of any physical universe "in-between" any two consecutive UF's frames!

Viewed in this new light, the New "G-d's discovered "Universal Consciousness Reality" (UCR) conceives of the four basic physical features of "space", "energy", "mass" and "time" as merely representing "transient" and "phenomenal" manifestations of the real underlying singular "Universal Consciousness" – but do not exist "independently" or indeed "separately" of this UCR! So, we reach the inevitable (profound) conclusion that not only are these four basic physical features completely unified as different complimentary computational combinations of the same singular UCP's/UCR's of Frame/Object – Consistent/Inconsistent levels; but also the very existence of "space" and "time", "energy" or "mass" of each exhaustive spatial pixel in the universe for each consecutive UF's frame/s, i.e., the existence of this entire physical universe – does not exist as an "independent-objective" reality (in and of itself); Rather, the existence of these four basic physical features represent a mere "transient-phenomenal" manifestation of the singular higher-ordered Universal Consciousness Reality, which exists "uniformly" both "during" its simultaneous computation of all exhaustive spatial pixels comprising the entire physical universe for each consecutive UF's frame/s, and also solely and singularly exist "in-between" any two consecutive UF's frame/s!

Therefore, we see that the New "G-d's Physics" Paradigm not only negates- and indeed transcends- the Old "Material-Causal" Paradigm's basic assumption, wherein any relativistic or quantum phenomenon can be explained strictly based on direct physical interactions between certain relativistic (massive objects and their curvature of "Space-Time") or Quantum "probe" and "target's probability wave function"); Rather, the New "G-d's Physics" Paradigm asserts that there cannot exist any such direct (or indirect) physical interactions between any two or more exhaustive spatial pixels existing either in the same- or different- UF's frames, but instead the singular, higher-ordered UCP/UCR simultaneously computes all exhaustive spatial pixels in the universe for each consecutive UF's frame/s (and the whole physical universe "dissolves" "in-between" any two consecutive UF's frames); so that the New "G-d's Physics A-Causal Computation" Paradigm advocates a "non-causal", indeed "A-Causal" computation carried out by this singular higher-ordered UCP/UCR that computes, "dissolves", re-computes and evolves the whole entire physical universe at each consecutive UF's frame/s! Likewise, this New "G-d's Physics" Paradigm was also shown (above and previously) to completely unify- and indeed transcend- the four basic physical features of "space" and "energy", "mass" and "time" – as four complimentary and integrative computational aspects of the singular higher-ordered UCP's continuous (simultaneous) computation of each exhaustive spatial pixel, based (primarily) on its two Computational Dimensions (of Framework and Consistency); even beyond that the New "G-d's Physics" Model has been shown to transcend the Old Material-Causal conception of these four basic physical features as existing "continuously" and "independently" (e.g., being determined based on direct physical interactions between particular relativistic massive objects and their assumed curvature of space-time or between subatomic target's probability wave function and a corresponding subatomic probe element which was assumed to "cause" the "collapse of the target's probability wave function"); Instead, being viewed as merely representing "transient-phenomenal" manifestations of the singular permanent and "real" Universal "Consciousness Reality", which exists continuously both "during" its computation of every consecutive UF's frame and also solely exists (without the presence of any physical universe "in-between" any two consecutive UF's frames).

#### 4. The "Universal Consciousness Reality" (UCR) & Its "Ten Laws of Hierarchical Manifestation"

We thus reach a completely new "A-Causal Computation", "Universal Consciousness Reality" understanding of the origin and nature of the physical universe! The universe was not created or "caused" by an initial nuclear event, nor is it run based on the direct physical interactions between certain "massive objects" and their assumed "curvature of Space-Time"! Likewise the subatomic realm is likewise not governed or determined by the direct physical interactions between

given subatomic "probe" elements and their corresponding (assumed) "target's probability wave function" – which upon contact "cause" the "collapse of the probability wave function"! Nor is the universe's accelerated expansion rate explained based on purely hypothetical "dark-matter" or "dark-energy" purely hypothetical concepts – which are assumed to directly interact with the universe's constituent stars, galaxies, etc. and "cause" its expulsion, at higher and higher rates!? Instead, the entire physical universe is discovered to be continuously computed- "dissolved"- recomputed and evolved- simultaneously at each of its multifarious exhaustive spatial pixels by the singular higher-ordered "Universal Computational Principle" or indeed "Universal Consciousness Reality" (UCR) at the unfathomable rate of  $c^2/h = 1.36^{-50}$  (sec') ! In fact, we found out that what truly exists is only this singular higher-ordered Universal Consciousness Reality (UCR) which exists uniformly both "during" its computation of each consecutive UF's frame/s and also solely exists "in-between" any two consecutive UF's frame/s (wherein the entire physical universe "dissolves" back into the singularity of this UCR)! Hence, our new "G-d's Physics" understanding of the origin- true nature- and evolution- of the physical universe is undergoing a very fundamental metamorphosis, i.e., from the Old "Material-Causal" Paradigm's assumption wherein the physical universe (and its four basic physical features of "space" and "energy", "mass" and "time") exists continuously and independently and that its origin-sustenance and developments are strictly determined by its constituent material entities' interactions; to the New "G-d's Physics" Paradigm's d(amazing) discovery that the physical universe only exists as a "transient-phenomenal" manifestation of the singular higher-ordered UCR "during" this UCR's simultaneous computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s (at the incredible rate of  $c^2/h = 1.36^{-50}$  (sec') !) but completely "dissolves" back into this singular UCR "in-between" any two consecutive UF's frame/s!

**a) The UCP's Three "Computational Dimensions": Framework, Consistency and Locus**

The first ("lowest") Law of Manifestation is the UCP's three "Computational Dimensions" of "Framework" (frame/object), "Consistency" (consistent/inconsistent) and "Locus" (global/local), which were shown to produce the four basic physical features of "space" and "energy" (i.e., "frame-consistent" or "frame-inconsistent") or "mass" and "time" (e.g., "object-consistent" or "object-inconsistent") computational measures. This means that the UCP's basic computation of the four basic physical features of the physical universe of "space" and "energy", "mass" and "time" are seen to merely represent different computational combinations of the UCP's (UCR's) two Computational Dimensions (Framework and Consistency – with the third "Locus" Computational Dimension qualifying these four basic physical features depending on the particular

point of view of the "observer", e.g., from within the measured phenomenon or from the perspective of the entire UCP's frame etc.).

**b) The UCP's "Universal Computational Formula" (UCF): Complete Integration of Space, Energy, Time & Space**

The "second" (ascending) UCP's Law of Manifestation is its "Universal Computational Formula" (UCF) which completely integrates those four basic physical features of "space" and "energy", "mass" and "time" – due to the UCP's simultaneous computation of each of those exhaustive spatial pixel's four basic physical features! We find that due to the fact that the UCP simultaneously computes all of those four basic physical features simultaneously for each exhaustive spatial pixel therefore the UCP's "Universal Computational Formula" (UCF) describes the manner in which these four basic physical features are computed simultaneously (for each exhaustive spatial pixel comprising every consecutive UF's frame/s)! As explained previously, we find that this integrated simultaneous computation of the UCP – of those four basic physical features implies that they are truly not "separate" or "independent" of each other, but rather represent integrated- and (in fact) "complimentary" secondary computational "by-products" of the same singular UCP's computation of every exhaustive spatial pixel (in the universe), in terms of its "Object"/"Frame" – "Consistent"/"Inconsistent" computational measures; As explained previously, for instance, the well-known relativistic "laws" (and relationships), such as between an object's relativistic speed and its increase in "mass" or "dilation of time" – may be easily explained based on the UCP's simultaneous and integrated computation of any given object's (increased) "Object-consistent" ("mass") value and its (decreased) "Object-inconsistent" ("time") value, or between an object's (increased) "Frame-inconsistent" ("energy") value and its (increased) "Object-consistent" ("mass") value; this is due to the fact that the UCP's computational definitions of any give (exhaustive) spatial pixel's "Object-consistent" ("mass") is converse to its computational definition of that spatial pixel's "Object-inconsistent" ("time"), and likewise due to the UCP's computational definition of any given (exhaustive) spatial pixel's "Frame-inconsistent" ("energy") value is necessarily conversely related to its computational definition of that spatial pixel's "Object-consistent" ("time") value, due to certain UCP's computational constraints set on the "maximal degree of displacement" possible of any given object (e.g., in terms of the number of spatial pixels it may be displaced across any two given consecutive UF's frame/s!) Indeed, in this manner the discovery of "G-d's Physics" "Universal Computational Formula's" complete unification of the four basic physical features of "space" and "energy", "mass" and "time" (as "Frame"- "consistent"/"inconsistent" and "Object"-consistent"/"inconsistent" computational measures) has led not only to the unification of key relativistic and

quantum features as integral computational aspects of the UCF, but (perhaps more significantly) also led to a complete unification of space, energy, mass and time as secondary computational integrative aspects of the same unitary singular UCR, including its replication and explanation of key Relativistic and Quantum "law" and relationships such as the "Energy-Mass Equivalence", the "curvature of Space-Time by mass" the "dilation of time" for "relativistic observers" (or for "massive objects") etc. Indeed, one of the recent "striking" new discoveries made through this UCF is its potential accounting for all known (and to be discovered) elementary particles predicted by the Standard Model – as merely representing different computational values embedded within this UCP's "Universal Computational Formula"; as well as unifies between the four basic forces (Weak, Strong, Electromagnetic and Gravitational)! Nevertheless, as pointed out above (and previously), "G-d's Physics" realization of the "Computational Invariance Principle" and especially of the "Universal Consciousness Reality" (UCR) teaches us that none of these "transient-phenomenal" "particles", or "forces" or even four basic physical features (of "space" and "energy", "mass" and "time") may be regarded as "real" continuous "independent" material entities – but are now only seen as transitory manifestations of the singular higher-ordered UCR!

#### Universal Computational Formula (UCF)

$$\left. \begin{array}{c} \text{c}^2 \\ - \\ \text{h} \end{array} \right\} \text{UF's } \{\aleph \dots \aleph \dots \aleph\} = \frac{s * e}{t * m}$$

(**Note:** herein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through "ח" to "ת") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: " $c^2/h = 1.36^{50} \text{ sec}^{-1}$ ")

#### e) The UCP's Supra Spatial-Temporal Reservoir: Multiple Possible Future/s!

The next "rung" UCP's "Hierarchical-Law of Manifestation" relates to the UCP's computation of all possible "past", "present" and multiple possible "future/s" UF's frame/s which are contained within the

UCP's "Multi Spatial-Temporal Reservoir"! Indeed, according to "G-d's Physics" New Paradigm, since there cannot exist any direct (or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different-UF's frames – but rather the UCP simultaneously computes all of these exhaustive spatial pixels comprising each consecutive UF's frame/s; therefore there exists a "bank" of all "past", "present" and multiple possible "future/s" UF's frame/s which are computed by the UCP and stored within it – which in turn are dependent upon still higher "rung" "Hierarchical-Laws of Manifestation", i.e., such as the "Dynamic-Equilibrium Moral Principle"! It is nevertheless noteworthy to mention (at this point) that this UCP's "Supra Spatial-Temporal Reservoir" transcends "space" and "time" – as it includes all "past", "present" and multiple possible "future/s" UF's, and also that it exhibits a "unitary-integrative-singular" Reality which encompasses all past, present and multiple future/s UF's as a singular Reality which is associated and indeed being affected by yet higher "rungs" of the UCP's "Hierarchical Laws of Manifestation"!

#### d) The UCP's "Dynamic-Equilibrium Moral Principle"

The next ("higher-up") "Hierarchical Law of Manifestation" is the "Dynamic-Equilibrium Moral Principle" which essentially describes one of the basic intrinsic propensities or characteristics of the "Universal Consciousness Reality" (UCR) which relates to its basic "Unitary-Harmonious" nature; i.e., since there exists only one singular higher-ordered UCP/UCR – which exists both "during" it's (simultaneous) computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s and also solely exists (without the presence of any physical universe) "in-between" any two consecutive UF's frame/s, and since this unitary and singular UCR possesses an intrinsic propensity to encourage all "Individual Human Consciousness" (e.g., human beings) to realize their "inseparability" from this singular higher-ordered "Unitary-Harmonious" UCR; therefore the "Dynamic-Equilibrium Moral Principle" represents the UCP's intrinsic tendency towards "balancing" any "moral-injustice" or "immoral choice" made by any given Individual Human Consciousness towards another Individual Human Consciousness! Metaphorically speaking, in the same manner that a healthy human-being would never use their "right hand" to "inflict pain" upon their "left hand" (because they are part of the same human-being), so does this UCP's "Dynamic-Equilibrium Moral Principle" operates to "teach" and "correct" any given Individual Human Consciousness (e.g., person) who opts to inflict "pain" or "suffering" (G-d forbid) upon another Individual Human Consciousness to not repeat such "immoral-choice/s or action/s" based on its computation of an "equivalent negative (pain/suffering)" experienced by the same Individual Human Consciousness that decided to inflict pain upon another Individual Human Consciousness...

This means that to the UCP's "Dynamic-Equilibrium Moral Principle" selects one of the multiple possible "future/s" for each Individual Human Consciousness based on its "moral/immoral" choice/s and action/s executed towards any other Individual Human Consciousness – in order to "balance" any "immoral choice/action" so that that Individual Human Consciousness that chose ('G-d forbid') to inflict pain upon another Individual Human Consciousness would have to "experience" (itself) such a "negative experience" (e.g., of the same degree of "pain"/"suffering" that it inflicted upon the other Individual Human Consciousness). Indeed, as mentioned above (and previously) the "Trampoline-Metaphor" was given wherein if a "metal-bar" was placed on the elastic sheath of a Trampoline such that it "connects" two points (equivalent to two Individual Human Consciousness), and to the extent that one of these two points "chose" to "push and press hard" the metal-bar against the other point – then this would inevitably lead to the other point automatically "pushing back" the metal bar against the "first-point" (which would be a representation of the Dynamic-Equilibrium Moral Principle's "balancing" of any "immoral-choice" made by one Individual Human Consciousness against another Individual Human Consciousness that "automatically" sets in motion the UCR's "balancing" and "teaching" that "inflicting-pain" Individual Human Consciousness having to experience the same "degree" of "pain/suffering" that it inflicted upon the other Individual Human Consciousness)... We therefore see that the selection of one of multiple possible "future/s" UF's for each Individual Human Consciousness is carried out by the UCR – based on the "moral/immoral choice/s" executed by any Individual Human Consciousness at any given point in time towards any other Individual Human Consciousness! (Obviously, such "incomprehensible" , "infinite" Intelligence implied by this UCR's "infinite" capacity to compute and "balance" all of the almost either Billion Individual Human Consciousness towards any other Individual Human Consciousness at any past, present or indeed future/s time/s – may invoke a sense of "wonderment", "awe" and even "reverence" towards this UCR's "Infinite Intelligence" and also its basic "All-Goodness" propensity to "teach" and "harmonize" all Individual Human Consciousness to "respect" and regard any other Individual Human Consciousness as "inseparable" from the same singular higher-ordered "Universal Consciousness Reality"...) )

#### e) The UCP's "Expansion of Consciousness" (Inanimate & Animate) Hypothesis

But, even beyond the UCP's "Dynamic-Equilibrium Moral Principle", which computes one of multiple possible "future/s" UF's frame/s for each Individual Human Consciousness based on each Individual Human Consciousness' "selection" of "moral/immoral choice/s" at each point in time, there exists a more general tendency of the UCP to express ever more "expansive" forms of Consciousness – i.e., from the inanimate forms

of "matter" (e.g., including all relativistic and quantum subatomic "particle/s" or "wave", the Four Forces of Nature etc.) through animate: plants, animals and leading up to human-beings (which manifests the most "expansive" form of Consciousness! Even within this most advanced and "Expansive" form of Individual Human Consciousness (e.g., human-beings) there exists a further "Expanded form of Human Consciousness" – in which the Individual Human Consciousness is "inseparable" from the Universal Consciousness Principle (UCP or UCR), which was previously outlined; In this "expanded" form of Individual Human Consciousness the "expanded Human Consciousness" functions in a manner which is equivalent to the functioning of the UCR (e.g., in some respects, at least) – which implies that such "Expanded Individual Human Consciousness" can cognize- know- and even affect- any exhaustive spatial pixel/s in the universe (simultaneously and pertaining to any "past", "present" or multiple possible "future/s" UF's frames)! Indeed, as previously outlined this "Expansion of Consciousness" hypothesis implies that there does not exist any real "separation" between the UCP's "driving" of the evolution of Inanimate forms (e.g., relativistic or quantum – including the accelerated expansion of the universe and all Four Forces, basic particles etc.) towards its more expansive expression of animate forms – including the whole presentation of ever more conscious forms of animate: plants, animals and human-beings and up to the most "expanded form of Individual Human Consciousness! Hence, for the first time, Science's New "G-d's Physics" 21<sup>st</sup> Century Paradigm "bridges the (apparent) gap" between its various sub-disciplines of Physics, Biology and Psychology etc., as comprising one fully integrated process allowing the UCP to express ever more "conscious" and "expansive" forms of manifestation!

#### f) The UCP's "Collective Human Consciousness Focus Hypothesis" & Jewish "Rosh-Hashana" (New Year) Non-Continuous Accelerated Expansion Rate Prediction

The next higher-up "rung" of the Hierarchical Laws of Manifestation is the "Collective Human Consciousness Focus" (hypothesis) which essentially points out that there exists a close connection between a state in which a multitude group of Individual Human Consciousness all focus collectively upon the singular higher-ordered UCP/UCR – in prayer to be "connected" or receive "plentitude" from this singular higher-ordered UCP/UCR, which brings about a "Blessing" or "Plentitude", "Life", "Growth", "Goodness" from this singular higher-ordered UCP/UCR! This "Collective Human Consciousness Focus Hypothesis" explains in what manner this singular higher ordered UCR bestow "Growth", "Expansion", "Life" or "Goodness" upon all of Humanity, and even towards the accelerated expansion of the physical universe! In other words, beyond the previous "Dynamic-Equilibrium Moral Principle's" account of the UCP/UCR's selection of one of multiple possible "future/s" UF's frame/s for each

Individual Human Consciousness – in order to "balance" and "teach" each such Individual Human Consciousness to recognize its inherent "oneness" and "unitary-harmony" with all other Individual Human Consciousness based on their common "inseparability" from this singular higher-ordered UCR and its intrinsic basic "Moral Principle"; Beyond that there arises the question – what may "drive" the UCR's singular higher-ordered Reality to evolve the entire universe and particularly our own Human World and lives and continuously bestow "Life", "Health", "Sustenance", "Goodness" to continue to sustain and evolve our physical existence and needs (material and spiritual etc.), as well as sustain and evolve the whole of Life, the various Suns, Galaxies and Universe at large?! Once again, we must remember that according to the New "G-d's Physics" Paradigm, we cannot (any longer) look towards any "material-causal" direct or indirect physical interactions between any two (or more) exhaustive spatial pixels, but rather must look at these higher-ordered "Hierarchical Laws of Manifestation" in order to be able to understand and "explain" the UCR's continuous computation- "dissolution" and evolution of every exhaustive spatial pixel comprising every consecutive UF's frame/s! Indeed, according to this "Collective Human Consciousness Focus Hypothesis" and associated Jewish "Rosh-Hashana" (New Year) "Non-Continuous Accelerated Expansion of the Universe" one of the "reason/s" for the singular higher-ordered UCR's continuous computation- sustenance- and evolution- of the entire physical universe is anchored in- or related to- a State of "Collective Human Consciousness Focus" towards this singular higher-ordered UCR, in which many millions of Individual Human Consciousness direct their focus and Consciousness collectively towards this UCR and pray for the bestowal of "Goodness, "Life", "Happiness" etc.!

Indeed, according to one of the unique "Critical Predictions" differentiating the new "G-d's Physics" from the Old "Material-Causal" Paradigm is this particular prediction wherein there will be a "Non-Continuous Accelerated Expansion Rate" at the Jewish Rosh-Hashana (New Year) time-interval wherein the accelerated rate of the universe's expansion rate – observed in each Jewish Year prior to the "Rosh-Hashana" (New Year) will increase in a non-continuous rate ("leap") at the special "two-day" time interval of the New Rosh-Hashana time (and continue at this increased accelerated rate throughout the New Jewish Year) – due to the abovementioned "Collective Human Consciousness Focus Hypothesis", wherein Millions of Jews all over the world pray at this time to the singular higher-ordered UCR, "G-d" for providing them and the world with Life, Health, Growth etc.!

#### g) The UCP's "Reversed-Time Goal Hypothesis" ("Geula")

Indeed, the discovery of the UCP's "Non-continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana" special "time-interval" and the UCP's basic "Good-Will" propensity to bestow "Life", "Health", "Happiness", "Fulfilment" is closely related to the UCP's basic "Goal" in creating- sustaining- and evolving the entire physical universe, the "Expansion of Consciousness" (e.g., including the development of inanimate, animate) plants, animals, human-beings) – all "designed" and "planned" to culminate in the leading up to another "higher" "Hierarchical Law of Manifestation" of the UCP which is called: the UCP's "Reversed-Time Goal (Geula) Hypothesis"! According to this "Reversed-Time Goal Hypothesis (Geula), the UCP's entire series of UF's frames – from the beginning of the manifestation of the inanimate physical universe through its various expressions of ever more expansive forms of animate: plants, animals and human-beings etc. – is all planned and designed initially to lead to the universe's "Perfectured Geula" State: Physically, Morally and Spiritually! Indeed, as outlined previously, this Perfectured State of "Geula" (e.g., a term signifying complete "Redemption" and "Perfection" in the Jewish Tradition) represents a state of the world in which there exists complete "harmony", "peace", and a basic recognition and gratitude of human-beings towards the basic underlying singular "All-Goodness" "UCR, i.e. "G-d" Reality which continuously sustains and evolves all of Life and the entire universe; Tis state is also typified by the lack of any "violence" or "aggression, the abolishment of "death" and complete peace, harmony and a deep sense of gratitude and appreciation, prayer and studying of this singular higher-ordered Universal Consciousness Reality, "G-d"!

#### h) The UCP's "Good-Will" Hypothesis

The next "higher-up" "Hierarchical-Law of Manifestation" is the basic intrinsic propensity of this singular higher-ordered UCP/UCR of "Good-Will" (hypothesis) which characterizes the UCP's basic "drive" to bestow "Goodness", "Life", "Growth" towards all of Life! This basic "Good-Will" propensity of the singular higher-ordered UCR manifests in its basic sustenance and Life-Giving force to create Life, sustain all of Life, fulfill the basic needs and beyond that create ever more "expansive" opportunities for Life in general and human-beings (in particular) to grow and evolve, to fulfil their full potential and to expand their Moral and Spiritual awareness towards appreciating the Oneness and Singularity of this Universal Consciousness Reality.

#### i) The UCP's "Free-Will" Hypothesis

Above and beyond all of these UCP's various "Hierarchical Laws of Manifestation" the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics and Science postulates that there exists the most basic "Free-Will" of the UCP – unbound by any "limits" of its creation of the physical universe and all of its various

inanimate and animate forms, unaffected by any of the multifarious manifestations of the universe and which transcends even its own "ultimate Goal of Geula"! This entirely "Free-Will" origin of the UCP, nevertheless "cares" about the "Goodness" of Human-beings and all of Life; this is also where the Jewish concept of an unlimited "Compassion and Forgiveness" (e.g., Thirteen Propensities of Mercy) of this UCP manifests and where the basic Jewish concept of "Teshuva" – the ability to ask for "forgiveness" from this singular UCR, "G-d" and to make a "sincere conscious decision" to "not repeat any immoral actions" is made possible (which was also shown to be capable of "altering" and indeed "avoiding" any of the negative possible "multiple future/s" instigated by any Individual Human Consciousness selection of any "immoral action/s", G-d forbid)!

So, we reach the inevitable conclusion that the physical universe does not exist as an "independent" "material-causal" entity; it was not created by an initial "Big-Bang" nuclear event; nor is it governed by mere "material-causal" physical interactions between certain "massive objects" and their (assumed "causal") "curvature of "Space-Time"; nor is its accelerated rate of expansion "caused" by purely hypothetical "dark-matter" or "dark-energy" concepts; Nor its subatomic realm determined based on direct (or even indirect) physical interactions between any given subatomic "probe" and corresponding "target's probability wave function" entities – which is assumed to "cause" the "collapse" of these "target's probability wave function" into single ("complimentary" space-energy or time-mass) single value!? Nor can we explain the behavior of the "Four (basically assumed) Forces" (e.g., Strong, Weak, Electromagnetic and Gravitational) based on any direct physical interaction/s between particular rudimentary subatomic particles (as the Standard Model assumes)!? Instead, the New "G-d's Physics" "A-Causal Computation" Paradigm discovered the existence of a singular higher-ordered "Universal Computational Principle" – later on revealed to constitute a "Universal Consciousness Reality" (UCR) which simultaneously computes all exhaustive spatial pixels in the universe for every consecutive UF's frame/s at the incredible rate of " $c^2/h$ " =  $1.36^{50}$  sec! Moreover, the New "G-d's Physics" Paradigm's discovery of the existence of the singular higher-ordered UCR which exists continuously and constantly – both "during" its (simultaneous) computation of every consecutive UF's frame/s and also solely exists (without the presence of any physical universe) "in-between" any two such consecutive UF's frames has led to a profound fundamental Paradigmatic-Shift in our basic understanding of the nature, origin, dynamics and evolution of the entire physical cosmos! This is because the basic realization that the physical universe does not exist (any longer) as an "independent material" entity – but only as a "transient-phenomenal" manifestation of the singular continuous and "real" and "permanent" underlying "Universal Consciousness Reality" – which is governed based on its own intrinsic "Ten Laws of

Hierarchical Manifestation" transforms the whole of Science and our basic understanding of the physical universe!

### 5. G-d's Physics: From "Law" to "Mercy" and Beyond to a Perfected "Geula" State!

Hence, we reach the inevitable theoretical conclusion that the "Paradigmatic-Shift" brought about by the New 21<sup>st</sup> Century Theoretical Physics' "G-d's Physics" Paradigm creates an extremely profound fundamental "metamorphosis" – not only in Physics but in all of Science! This is because we can no longer analyze any scientific phenomenon "independently" of the singular higher-ordered Universal Consciousness Reality (UCR) which constitutes the only continuous and constant reality that "manifests" as all of the exhaustive spatial pixels comprising the entire physical cosmos – "during" each consecutive UF's frame, and also exists independently of the existence of any physical universe "in-between" any two such consecutive UF's frames! We realize that this singular higher-ordered UCR not only constitutes- computes- "dissolves" and evolves- every exhaustive spatial pixel in the universe but that its continuous production, computation, sustenance and evolution of the entire physical universe is "driven" and indeed "governed" through its abovementioned "Ten Laws of Hierarchical Manifestation"! This was shown to completely integrate the four basic physical features of "space", "energy", "mass" and "time", the Four basic Forces (Strong, Weak, Electromagnetic and Gravitational), this singular higher-ordered UCR's "integrated evolution" of "inanimate", "animate": "plants, animals, human-beings – and leading up to the full manifestation of an "expanded" form of Individual Human Consciousness (which is hypothesized to be "inseparable" and may function in a manner which is "equivalent" to that of the UCR itself! And ultimately this UCR's evolution of the physical universe aims at the Ultimate Perfected (Morally, Spiritually and even Physically) State Goal of "Geula" (as described in the Jewish Tradition!) We come to the inevitable profound realization that through the UCR's "Ten Laws of Hierarchical Manifestation" this sole higher-ordered UCR reality singularly aims at reaching its Ultimate Perfected "Geula" State – a "perfected" condition of the world in which Humanity will recognize and be preoccupied with studying, appreciating, revering and praying to this singular higher-ordered "Universal Consciousness Reality" – "G-d"! As was already discovered (and delineated) in several previous articles one of the profound theoretical postulates of the New "G-d's Physics" named: the UCR's "Reversed-Time Goal Hypothesis" the entire planning, execution and continuous computation of this singular higher-ordered UCR has been from its "inception" planned from its Ultimate "Geula" Goal (Perfected State) – "backwards" (in "time") to its initial UF's frames, and throughout the whole "plethora" of all "past", "present" and multiple possible "future's" only to achieve this Perfected "Geula State"!

Indeed, as outlined in several previous articles, we realize that the entire physical universe is not bound by any material-causal physical laws, but is governed and "run" solely by the singular higher-ordered UCR's Ten "Laws of Hierarchical Manifestation" whose Goal (and "motivation") is bringing about this Ultimate "Geula" Perfected State of the World! We realize that from the onset of the physical universe – as well as throughout each of its ongoing "past", "present" and multiple possible "future/s" the sole "driving force" of the continuous manifestation and evolution of the universe (e.g., including each of its multifarious exhaustive spatial pixels) is only to reach this Perfected (Morally, Spiritually and Physically) State of "Geula" in which the oneness and singularity of this UCR: "G-d"(!) will be recognized, appreciated (and revered) – leading to an inevitable peace, harmony and a sense of deep gratitude, prayer and studying of this "All-Goodness" singular Divine Reality! We see that despite the appearance of "material-interactions" and "material (relativistic or quantum) laws" – in reality, there cannot exist any such direct physical or material interactions between any two or more exhaustive spatial pixels, due to the "simultaneity" of the UCR's computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s! we realize that instead what exists is the UCR's simultaneous computation of all exhaustive spatial pixels through its three associated "Computational Dimensions" (of "Framework, Consistency and Locus) which gives rise to the four basic physical features of "space" and "energy", "mass" and "time" (as the four possible combinations of "Frame"- "consistent" ("space") or "inconsistent" ("energy") UCR's computational measures; which are conjoined and computed as integrative-complimentary secondary computational by-products of the UCR's singular "Universal Computational Formula"! But, we also realize that that this fascinating, infinite ("awe-inspiring"! capacity of the UCR to simultaneously compute the four associated basic physical features of each exhaustive spatial pixel in the universe (for each consecutive UF's frame/s) is driven by a still higher-ordered "Hierarchical Laws of Manifestation" associated with "G-d's Physics" discovery of the existence of the UCR's "Supra Spatial-Temporal Reservoir", associated "Dynamic-Equilibrium Moral Principle" and UCR's selection of one of multiple possible "future/s" based on the "Moral Choice/s" of each Individual Human Consciousness" at each point in time! Yes, we realize that due to the "inseparability" of each Individual Human Consciousness from the oneness and unity of the singular "Universal Consciousness Reality" – and the UCR's basic drive towards the Perfected "Geula" State in which all human beings will realize their "inseparability" from this singular higher-ordered UCR and hence will inevitably regard and treat each other with complete harmony and respect; therefore the UCR's "Dynamic-Equilibrium Moral Principle" drives the UCR's computation and selection of one of multiple possible future/s UF's frame/s for each of the over seven Billion

Individual Human Consciousness (human-beings) selection of any given "moral/immoral choice") at each point in time (towards any other particular given Individual Human Consciousness(!) in order to "teach" and "balance" any "immoral balance" created by any "immoral choice" by any such Individual Human Consciousness! But, we realize that the UCR's "driving" of its computation of the series of "past", "present" or multiple possible "future/s" is governed by yet higher and more expansive "Hierarchical Laws of Manifestation" – having to do with the overall plan of the singular higher-ordered UCR to manifest ever more "expansive" forms of Consciousness: from "inanimate" through "animate": "plants, animals and human beings (including its "expanded" form of Individual Human Consciousness) – which solely can begin recognizing and appreciating the existence of this singular higher-ordered UCR: "G-d"! Indeed, amongst the higher UCR's "Hierarchical Laws of Manifestation" appears the "Collective Human Consciousness Focus Hypothesis" associated with the "Non-Continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana (New Year)" special time interval! This simply denotes the fact that since the UCR's Ultimate Goal of the Perfected "Geula" State involves the recognition of the whole of Humanity of the "Oneness" and profound "Goodness" of this singular higher-ordered UCR: "G-d"! therefore one of the higher Laws of Hierarchical Manifestation points at the ongoing annual "renewal" and in fact "accelerated evolution" of the entire universe – as created by this "Collective Human Consciousness Focus" brought about by Millions of Jews prating single-mindedly to this singular higher-ordered UCR: "G-d"(!) for renewal of their lives and all other needs, which brings about the UCR's forth giving of an accelerated expansion of the whole universe and further development of all of life in our world in throughout the entire physical universe! All of these Ten Laws of Hierarchical Manifestation culminate in the inevitable reaching of the "Geula" Perfected State – with the realization of the "Reversed-Time Goal Hypothesis" which teaches us that this singular higher-ordered UCR: "G-d"! has planned and is executing and computing all the "past", "present" and multiple possible "future/s" for the sole purpose and Goal of reaching this Perfected "Geula" state in which all human-beings and by extension of all creation will recognize the oneness, infinitude magnanimity and profound "All-Goodness" nature and existence of this singular higher-ordered Universal Consciousness Reality (UCR): "G-d"!

We therefore stand at such a "pivotal" historic time in the development of Science and Physics – and in fact of the whole of Humanity, wherein Science discovers the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics which invariably points at the singularity of the sole reality of the "Universal Consciousness Reality": "G-d"! which is the sole reality behind- and in fact transcending- the apparent "transient-phenomenal" physical universe, e.g., apparently governed by "space",

"time" ("energy" and "mass") and "causality" and which is seen to drive the whole entire universe through its progressively more expansive forms of Consciousness: from "inanimate", "animate" : plants, animals, and human-beings towards the inevitable culmination of the Perfected "Geula" State in which Science and Humanity will recognize and act in perfect harmony and peace out of a complete recognition, gratitude (and reverence) of this singular higher-ordered "All-Goodness", infinite UCR: "G-d"!

!"תם ונשלם השבחה לבורא עולם!"

**Dedication:** this article is dedicated to my dear beloved wife, Shulamit Bentovish without whose support and love I could not have completed this Special Issue and "G-d's Physics" Book; It is dedicated to uplifting of my Dear Beloved Mother's Soul (in Heaven), Dr. Tirza Bentwich (Bat Yitzchak) whose infinite love, compassion and giving has been a guiding light in my life, to my dear beloved father, Prof. Zvi Herbert Bentwich for his personal example of Excellence as a Doctor and Scientist, and to my dear beloved two sons: Shoham and Nethanel Yossef and my wonderful daughter Neomy Tirza Shulamit, may you all live to celebrate this new profound realization of "G-d's Physics" New Paradigm! And to the whole of Humanity and Science – may we all be open minded enough to realize and embrace this new most expansive way of realizing and understanding the true nature of the world and our important "mission" in life to lead and enhance this ultimate "Geula" State of Perfection of the World and ourselves!

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## FULFILLING EINSTEIN'S QUEST: "G-D'S PHYSICS" NEW TWENTY-FIRST CENTURY'S PARADIGM'S MULTI-LEVEL COMPUTATIONAL UNIVERSE

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**\*Note:** Dr. Bentovish is currently seeking the most appropriate leading Academic Institute to assist him in carrying-out further necessary empirical validation and Theoretical elaboration of his New Twenty-first Century New 'G-d's Physics' Paradigm.

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### ABSTRACT

Twenty-first Century Theoretical Physics is undergoing a "Paradigmatic-Shift" (akin to Einstein's Relativity Theory (RT) "Paradigmatic Shift" over 100 years ago) from the Old "Material-Causal" Paradigm underlying both RT and Quantum Mechanics (QM) to the New "Computational Unified Field Theory" (CUFT), recently called "G-d's Physics" New Paradigm! This New "G-d's Physics" Paradigmatic-Shift was called for due to the apparent "theoretical inconsistency" between the two "pillars" of the Old "Material-Causal" Paradigm, i.e., RT & QM, as well as the inability of the Old Paradigm to account for up to 95% of all the mass and energy concepts that could not be verified empirically; The New "G-d's Physics" Paradigm is based on the discovery of a singular, higher-ordered "Universal Computational Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe for each consecutive "Universal Frame/s" (UF) at the unfathomable rate of  $c^2/h = 1.36^{50}$  (sec), with the entire universe "dissolving" into the UCP's singularity "in-between" any two consecutive UF's frames! This New "G-d's Physics" A-Causal Computation Paradigm was shown to challenge, negate and revise some of the most fundamental assumptions of the Old "Material-Causal" Paradigm such as: the "Big-Bang" Model, Einstein's Equations, discarding of "dark-matter" and "dark-energy" as "superfluous" (non-existent!) and QM's "material-causal" assumption regarding the "collapse" of the probability wave function due to its assumed direct physical interaction with another subatomic "probe" element. A few key new "Theoretical Postulates" of the New "G-d's Physics" Paradigm include: the "Universal Computational Formula" shown capable of unifying the Four basic Forces, as well as the four basic physical features of "space", "energy", "mass" and "time", and integrate all key relativistic and quantum laws and relationships. Nevertheless, "G-d's Physics" New "A-Causal Computation" Paradigm points at the complete dependency of the UCP's simultaneous computation of all exhaustive spatial pixels in the universe upon the UCP's "Ten Laws of Hierarchical Manifestation" which include: its Three "Computational Dimensions", "Supra Spatial-Temporal Reservoir", "Dynamic-Equilibrium Moral Principle", "Expansion of Consciousness (Hypothesis)", Collective Human Consciousness Focus (Hypothesis)", "Reversed-Time Goal Hypothesis", "Good-Will" & "Free-Will" characterizations of the UCP; Therefore, the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Physics portrays an entirely "New Universe" – which completely depends on the UCP's continuous computation- "dissolution" sustenance- and evolution- of all exhaustive spatial pixels comprising the universe towards the "Ultimate Goal" o a "Perfected: Physically, Morally and Spiritually" State of the World (and Humanity) which realizes the Singularity, "Unity" and "Goodness" of this "Universal Consciousness Reality", called: "Geula" in Jewish Tradition!

### INTRODUCTION

#### G-d's Physics New 21<sup>st</sup> Century Scientific Paradigm

Albert Einstein is considered one of the two greatest Scientists the world has ever known (e.g., the other one being Isaac Newton) and his General Relativity Theory is deemed the greatest intellectual achievement accomplished by any single human-being! Yet his unwavering singular quest towards a "Unifying Field Theory" that will be able to resolve the apparent basic "theoretical-inconsistency" between Relativity Theory (RT) and Quantum Mechanics (QM) (e.g., which he

carried on "relentlessly" for the entire second half of his illustrious scientific career) – was viewed by his contemporaries as leading to a "dead-end" and was even construed as indicating that Einstein has "lost his genius"?! Nevertheless, approximately one hundred years since Einstein begun his quest for such a "Unifying Field Theory" Theoretical Physics is increasingly seeking such a "Theory of Everything" which would essentially accomplish Einstein's vision of unifying RT & QM as well as all of the Forces of Nature; Indeed, Einstein's own "vision" was to unify space, time, energy and mass, RT & QM, and the plethora of elementary

subatomic particles – within one singular formula, stemming from a higher-ordered theoretical understanding of the nature of the "Field" – which encompasses, integrates and transcends the narrow constraints of the current "Relativistic" and "Quantum" theoretical models... It is no "secret" that quite a few of Einstein's hypotheses and "predictions" were tested and validated empirically many years after his passing in 1955- which has led to multiple Nobel prizes, e.g., including his "visionary" hypothesis of "gravitational waves", "gravitational lensing" etc.!

Amazingly, it seems that Einstein's major quest for a grand "Unifying Field Theory" is being fulfilled by what's considered today as Physics New 21<sup>st</sup> Century Paradigm, i.e., the "Computational Unified Field Theory" (CUFT), recently also termed: "G-d's Physics" Paradigm! Prior to describing the gist of this New "G-d's Physics" Paradigm (CUFT) and delineating its basic theoretical postulates, it is important to first, capsule the essence of the "Paradigmatic-Crisis" of 20<sup>th</sup> Century basic "Material-Causal Paradigm", e.g., underlying both RT & QM and its inevitable ensuing "Paradigmatic-Shift" to the New "G-d's Physics" (CUFT) Paradigm of 21<sup>st</sup> Century Theoretical Physics: Perhaps the clearest instance indicating the basic "Paradigmatic-Crisis" of 20<sup>th</sup> Century's Material-Causal Paradigm is the apparent theoretical inconsistency that seems to exist between RT's strict "Speed of Light" barrier for the transmission of any light signal across space and time – as opposed to QM's well known (and empirically validated) Quantum-Entanglement" phenomenon; according to RT's strict Light Speed Barrier it is not possible for any signal (or any physical effect) to travel- or affect- any other element at a speed greater than the Speed of Light; In contrast, the empirically validate "Quantum Entanglement" phenomenon indicates that a subatomic measurement of any one of Heisenberg's "Uncertainty Principle's" "complimentary pairs", e.g., "space" and "energy", or "time" and "mass" – in one of two "entangled particles" will "instantaneously" determine the other complimentary pair's measurement accuracy level (constraint) in the other "entangled particle" (e.g., separated by a greater distance than can be traversed by a light-signal), thereby clearly "violating" Relativity Theory's strict "light Speed Barrier"! Additionally, as analyzed and defined by the great Philosopher of Science Thomas Kuhn (1962), the Old "Material-Causal" Paradigm underlying both RT & QM indicated the "clear signs" signifying a "Paradigmatic-Crisis" – as shown by its inability to explain a series of key empirical (or theoretical) phenomena, i.e., perhaps the most "glaring" one is its inability to explain the accelerated expansion of the physical universe, which is attributed to the purely hypothetical concepts of "dark-matter" or "dark-energy", which are assumed to comprise up to 95% of all of the "matter" and "energy" in the universe, but which yet cannot be empirically directly validated (despite numerous attempts to do so)! Moreover, the inability to unify or explain between the three basic "Strong",

"Weak" and "Electromagnetic" Forces and the "Gravitational" Force of the Standard Model also indicate a basic "failure" of the Old "Material-Causal" Paradigm to adequately account for the plethora of physical phenomena (existing both in the relativistic and subatomic realms) – clearly calling for a fundamental "Paradigmatic-Shift" in 21<sup>st</sup> Century Theoretical Physics! Interestingly, once again, Einstein played a major role in demonstrating such a "Paradigmatic-Shift" from the Old "Newtonian Classical Mechanics" towards the (then "new") Relativity Theory and subsequently Quantum Mechanics Paradigm of 20<sup>th</sup> Century Physics – simply by discarding the "superfluous" (purely hypothetical) "ether" concept which also could not be detected empirically (despite numerous attempts) and postulating a few simple new "Theoretical Postulates";

Similarly, the New "G-d's Physics" Paradigm discarded the purely hypothetical concepts of "dark-matter" and "dark-energy" and introduced several new Theoretical Postulates including:

#### a) The "Universal Computational/Consciousness Principle"

According to the New "G-d's Physics" Paradigm, there exists a singular higher-ordered Universal Computational/Consciousness Principle (UCP) which *simultaneously* computes every exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h$ " =  $1.36^{50}$  sec(!) giving rise to an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every such "minimal time-point", wherein "in-between" any two such consecutive UF's frames the entire physical universe "dissolves" back into the singularity of this UCP! This UCP possesses three "Computational Dimensions", e.g.,: "Framework" ("frame" vs. "object"), "Consistency" ("consistent" vs. "inconsistent") and "Locus" ("global" vs. "local") – two out of which "Framework" and "Consistency" produce the four basic physical features of "Framework" – "consistent" ("space") or "inconsistent" ("energy") and "Object" – "consistent" ("mass") or "inconsistent" ("time) physical features that continuously and simultaneously compute any exhaustive spatial pixel in the universe for each consecutive UF's frame/s! Another key new discovery made by the New "G-d's Physics" (CUFT) Paradigm is its insistence that this singular higher-ordered UCP *simultaneously computes* all of the exhaustive spatial pixels in the universe for each consecutive UF's frame/s at the incredible rate of " $c^2/h$ " =  $1.36^{50}$  sec(!); and that "in-between" any two consecutive UF's frames the entire physical universe and all of its constituting exhaustive spatial pixels "dissolve" back into the singularity of this singular higher-ordered UCP!

#### b) "G-d's Physics" New "A-Causal Computation" Paradigm

Based on "G-d's Physics" New Paradigm's discovery that the singular higher-ordered UCP *simultaneously computes* all exhaustive spatial pixels comprising the

entire physical universe – for each consecutive UF's frame/s (and that "in-between" any two consecutive UF's frames the whole universe "dissolves" back into the singularity of the UCP), a new "A-Causal Computation" characterization of "G-d's Physics" New Paradigm is acknowledged: essentially, the simultaneity of the UCP's computation of all exhaustive spatial pixels (and their complete "dissolution" "in-between" any two consecutive UF's frame/s back into the UCP) means that there cannot exist any "material-causal" physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames! Rather, the same singular UCP computes simultaneously all exhaustive spatial pixels comprising the entire physical universe – which implies that there cannot exist any Relativistic or Quantum "material-causal" physical relationships, interactions, or effects! This negated many of the Old "Material-Causal" (20<sup>th</sup> Century Physics) Paradigm's basic assumptions underlying both Relativity Theory and Quantum Mechanics, including: the "Big-Bang" Model, Einstein's Equations, discarding of the hypothetical "dark-matter" and "dark-energy" concepts etc.

**c) The "Computational Invariance Principle" & "Universal Consciousness Reality"**

Another key new theoretical postulate of the New "G-d's Physics" Paradigm is the "Computational Invariance Principle" which posits that since only the UCP exists – continuously and consistently both "during" each consecutive UF's frame/s – solely computing (simultaneously) all exhaustive spatial pixels' four basic physical features of "space" and "energy", "mass" and "time", and also singularly exists "in-between" any two consecutive UF's frame/s (without the presence of the physical universe), therefore the "Computational Invariance Principle" theoretical postulate asserts that only this singular UCP may be regarded as "computationally-invariant" existing uniformly and "consistently" – both "during" its computation of each consecutive UF's frame/s and also "in-between" any two consecutive UF's frame/s, whereas the four basic physical features being computed for all exhaustive spatial pixels in the universe may only be regarded as "computationally-variant", e.g., existing only "transiently" and "phenomenally" ("during" each consecutive UF's frame/s but "dissolving" "in-between" any two consecutive UF's frames)! This new (profound) realization of the "Computational Invariance Principle" of "G-d's Physics" New Paradigm is also associated with another new theoretical postulate termed: the "Universal Consciousness Reality" (UCR) which posits that since the whole physical universe (e.g., and all of its constituting exhaustive spatial pixels) is only regarded as "computationally-variant" – existing only "transiently" "during" each consecutive UF's frame/s but "dissolving" back into the singularity of the UCR, whereas the singular higher-ordered UCP is considered to be "computationally-invariant" (existing continuously and consistently both "during" each consecutive UF's frame/s

as computing each exhaustive spatial pixel's four basic physical features of "space" and "energy", "mass" and "time", as well as solely existing "in-between" any two consecutive UF's frames without the presence of any physical universe); therefore there only exists one singular "Universal Consciousness Reality" which exists consistently and continuously – manifesting as the phenomenal physical universe "during" its computation of every exhaustive spatial pixel of each consecutive UF's frame/s and existing without the presence of the physical universe, in-between any two consecutive UF's frames! Indeed, this new "Universal Consciousness Reality" carries with it a profound alteration of our basic perception and understanding of the physical universe – which ceases to exist as an "objective-independent" reality, and it transformed into the new theoretical understanding that (in truth) the entire physical universe only represents a "phenomenal, transient manifestation" of this singular UCR!.

**d) The "Universal Computational Formula"**

Based on "G-d's Physics" (CUFT) New Paradigm's discovery of the Universal Computational/Consciousness Principle (UCP) and its simultaneous computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s it also revealed the existence of an integrated simultaneous computation of all the four basic physical features of "space" and "energy", "mass" and "time" as computed based on two out of the three basic "Computational Dimensions" of the UCP (delineated further below and previously):

**Universal Computational Formula (UCF)**

$$\left. \begin{matrix} \text{׳} \\ c^2 \\ - \\ h \end{matrix} \right\} = \frac{s * e}{t * m}$$

UF's {ד...ה...ו}

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("׳") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "ו through "ה " to "ד") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: " $c^2/h = 1.36^{50}$  sec!".

**e) The "Dynamic Equilibrium" Moral Principle & UCP's "Multi Spatial-Temporal Reservoir"**

Another key theoretical postulate of this New "G-d's Physics" Paradigm is the discovery of the UCP's associated "Dynamic-Equilibrium" Moral Principle and its associated "Multi Spatial-Temporal Reservoir" bank of all "past", "present" and multiple possible "future/s" UF's frames based on the "Moral/Immoral Choices" of each Individual Human Being towards another human being; Essentially, due to the "inseparability" of all Individual Human Consciousness (human beings) from this singular higher-ordered "Universal Consciousness Principle" (UCP) the New "G-d's Physics" Paradigm asserts that there is a basic fundamental "Dynamic-Equilibrium" Moral Principle characterizing the operation of this UCP – such that any "immoral-imbalance" created by any "immoral choice" made by any Individual Human Consciousness towards another Individual Human Consciousness is "corrected" and "balanced" by the UCR in a manner in which that Individual Human Consciousness which chose to "inflict pain/suffering" upon another Individual Human Consciousness – the UCP is selecting one of multiple "possible future/s" UF's frame/s in which it will also have to experience the same (nature and degree) of pain/suffering that it inflicted upon the other Individual Human Consciousness in order that it learns and realizes the basic "unity" and "inseparability" of all Individual Human Consciousness from the singular higher-ordered UCP and honors and respects all other such Individual Human Consciousness (just as pointed out by the Alter-Rebbi, Rabbi Schneur-Zalman in his famous Tanya Book, chapter 32)! Additionally, according to this new "Dynamic-Equilibrium" Moral Principle, since the whole "purpose" of the UCP's associated "Dynamic-Equilibrium" Moral Principle is to "teach", "correct" or "balance" any "immoral-choice/s" of any Individual Human Consciousness so that that Individual Human Consciousness acknowledges and "realizes" its "unity" with the UCP and inseparability from all other Individual Human Consciousness – so that it could not and would not consider or execute any "immoral-choice/s" toward any other Individual Human Consciousness, therefore there is another possibility carved out by the singular higher-ordered UCP of "teshuvah" – e.g., repentance, a sincere regret relating to the "immoral choice" and a conscious decision not to repeat it in the future – which "circumvents" and replaces the need of that Individual Human Consciousness to experience itself the abovementioned "negative future" that is equivalent to its own "wrongdoing"... Finally, this "Dynamic-Equilibrium" Moral Principle may be seen as part of the overall "Goal" of the UCP's constant and continuous origination- sustenance- "dissolution" and evolution- of the entire physical universe – which is to bring the World towards its "Perfected- Geula" State of Moral, Spiritual and even Physical Perfection, in which the oneness and integrity of all creation as part of the singularity of the UCP will be realized and acknowledged by Humanity,

see next "Reversed-Time Goal Hypothesis" theoretical postulate;

**f) The UCR's "Expansive Consciousness Spectrum Hypothesis" & "Reversed-Time Goal Hypothesis"**

Another two profound and key theoretical postulates of the New "G-d's Physics" Paradigm are: the UCR's – "Expansive Consciousness Spectrum Hypothesis" & "Reversed-Time Goal Hypothesis"; the "UCR's Expansive Consciousness Spectrum Hypothesis" stipulates that as part of the UCP/UCR's ultimate Goal of driving the world (and entire universe) towards a "Perfected State" – called "Geula" in Jewish Tradition in which the oneness and unity of all creation as integral parts of the singular higher-ordered UCP/UCR will be recognized by Humanity; the UCR computes-, "dissolves", "re-computes"- and evolves- the forms manifested by this singular UCP/UCR from "inanimate" matter (e.g., subatomic particles and the entire macroscopic universe) through "animate" forms of plants, then animals then human-beings – which represents the most "expansive" form of Consciousness; and ultimately leads this much "refined" and more "Expansive" form of Human Consciousness towards its ultimate "expanded" manifestations of this singular Universal Consciousness Reality which are expressed in the "expanded form of Individual Human Consciousness" (previously delineated) in which Individual Human Consciousness "expands" to a state in which it is "not separate" and functions in "unity" with the Universal Consciousness Reality (e.g., sometimes related to as states of "Prophecy" such as with Moses!); Another manifestation of this expansion of Individual Human Consciousness occurs also in "special times" and states of "Collective Human Consciousness Focus (Hypothesis)" (also delineated below and previously) – such as during the Jewish "Rosh-Hashana" (New Year) time-interval in which Millions of Jews (all over the world) collectively focus on- and pray to- this singular higher-ordered "Universal Consciousness Reality", i.e., "G-d"! As published and delineated previously, this New "G-d's Physics" profound expansive new perspective on the development and evolution of the entire cosmos – including its "inanimate" manifestations of all material compositions, e.g., including the relativistic accelerated expansion of the physical universe as well as all subatomic (quantum) particles, forces and phenomena, all "animate" forms of "plants", "animals" and "human-beings" brings about an entirely new and integrated view on the origination- and evolution- of the physical universe and all biological forms – not as "caused" by any "random" Big-Bang nuclear explosion but as driven and computed by the singular higher-ordered UCR whose sole Goal is to bring the entire physical universe and our own world towards the State of "Geula" Perfection (Morally, Spiritually and Physically); Indeed, the additional "Reversed-Time Goal Hypothesis" theoretical postulate posits that the entire origination of the entire physical universe continuous and constant computation by the UCP (simultaneously) of all

exhaustive spatial pixels in the universe for every consecutive UF's frame/s from its onset- in the "first" UF frame and until this date and onwards until the UCP/UCR brings the universe into its ultimate "Goal" of a Perfected: Morally, Spiritually and Physically State; This "Reversed-Time Goal Hypothesis" simply posits that the entire origination- sustenance and evolution of the entire physical universe – is driven by its drive to bring the world towards its ultimate Perfected "Geula" State of Moral, Spiritual and even Physical Perfection (e.g., in which there will not be any longer "death!"); a State in which all Human Being will recognize and realize the oneness of all creation with this singular higher-ordered Universal Consciousness Reality (UCR), and therefore there could not exist any longer any such "negative" phenomena of "violence", "aggression", "crimes" or "immoral behavior", and on the contrary Humanity's (and Science's) ultimate recognition of the singular higher-ordered UCR as the sole reality that drives and sustains the entire universe will lead to an attitude of "reverence", "gratitude" and "studying" of this "All-Goodness", "Divine" "Universal Consciousness Reality" ("G-d"!), as anticipated by the great Jewish Sage and Teacher, Maimonides (in his monumental "Mishna-Torah" masterpiece)...

In order to fully appreciate the significance of this New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics let us encapsulate the major conceptual differences between the Old "Material-Causal" Paradigm and the New "G-d's Physics" (CUFT) Paradigm: Succinctly stated, the Old "Material-Causal" Paradigm assumed that any relativistic or quantum phenomenon can be explained strictly through direct (or even indirect) physical interaction/s between a finite number of material or physical elements (or forces etc.); Based on this basic "Material-Causal" assumption, the Old "Material-Causal" Model explains the origination of the physical universe as "caused" by an initial "Big-Bang" nuclear event which is assumed to have created all the stars, galaxies, "energy" and "matter" in the universe; Likewise, Einstein's (famous) Equations underlying General Relativity Theory assume that it is the direct physical interaction between certain "massive objects" and "Space-Time" which "causes" the "curvature" of Space-Time, and conversely, that it is this "curved Space-Time" which "causes" or determines the "travelling-pathways" of those "massive objects" and other "less-massive" objects. In a similar manner, Quantum Mechanics explains the dynamics of the subatomic realm based on the same basic "Material-Causal" assumption wherein it is assumed that it is the direct physical interaction between a given subatomic "target's probability wave function" and a corresponding subatomic "probe" element – which "causes" the "collapse" of the target's "probability wave function" into a single (complimentary "energy-space"/"time-mass") value. However, contrary to this Old Material-Causal Paradigm (of RT & QM) basic assumption wherein it is the direct physical interaction between any given

relativistic "massive-objects" and "Space-Time" which "causes" the curvature of Space-Time (or conversely that it is this "curved Space-Time" which "causes" the travelling-pathways of these massive/less-massive objects); or that it is the direct physical interaction/s between the subatomic target's "probability wave function" and a corresponding "probe" element – which "causes" the "collapse" of the probability wave function into singular complimentary value; the New "G-d's Physics" (CUFT) Paradigm negates the very possibility of the existence of any such direct physical interaction/s between any two (or more) exhaustive (relativistic or quantum) spatial pixels in the universe – based on the discovery of the existence of the singular higher-ordered UCP which *simultaneously computes* all exhaustive spatial pixels comprising the entire physical universe, e.g., at any minimal-time point "Universal-Frame/s" (UF's) being computed by this singular UCP at the unfathomably rapid rate of " $c^2/h = 1.36 \cdot 10^{50}$  (sec)!" Based upon this profound new discovery of "G-d's Physics" (CUFT's) New Paradigm of the *UCP simultaneous computation* of all exhaustive spatial pixels comprising each consecutive UF's frame/s, this results in "G-d's Physics" New "A-Causal Computation" Paradigm which strictly negates the very possibility of the existence of any direct (or even indirect) physical (or material) interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- of different-UF's frame/s! Moreover, due to "G-d's Physics" postulate that the entire physical universe (e.g., and all of its constituent exhaustive spatial pixels) completely "dissolve" "in-between" any two consecutive UF's frame/s back into the singularity of the UCP, therefore the New "G-d's Physics' A-Causal Computation Paradigm" principally negates the possibility of the existence of any direct (or indirect) physical interactions between any two (or more) exhaustive spatial pixels existing either in the same- or other- UF's and the impossibility of any "transference" of any physical interaction or effect/s (or any material entities) "in-between" any two consecutive UF's frame/s!

### 1. "G-d's Physics" Newly Revised Physical Universe!

Hence, the discovery of the New "G-d's Physics" Paradigm completely alters and revises our basic conception and understanding of the origin- nature- sustenance- dynamics- and evolution- of the entire physical universe, e.g., at both its macroscopic ("relativistic") and microscopic ("quantum") computational levels; At the macroscopic level, we realize that the physical universe could not have been "caused" or "created" by an initial "Big-Bang" nuclear event! This is because, according to RT's "Big-Bang" Model, the entire universe, e.g., including all of its suns, galaxies, mass, energy (space and time) have been "caused" or "created" by an initial nuclear explosion – which implies that such a "nuclear event" took place in the "first", "second", "third", etc. UF's frame/s – leading up to the creation of certain mass, energy, suns and

subsequent galaxies etc. But since, as stated above (and previously), there cannot exist any such direct (or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames (e.g., due to the UCP simultaneous computation of all exhaustive spatial pixels comprising every consecutive UF's frame/s and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frame/s), therefore the New "G-d's Physics" Paradigm negates the basic "material-causal" assumption of the Big-Bang Model – instead pointing at the continuous computation- "dissolution"- re-computation- and evolution- of every exhaustive spatial pixel in the universe by the singular higher-ordered UCP for each consecutive UF's frame/s! Likewise, at the macroscopic level, the sustenance and evolution of the physical cosmos – is not governed by General Relativity's Einstein's Equations "material-causal" assumption, but rather "points" at "G-d's Physics" higher-ordered UCP's "A-Causal Computation" Paradigm! According to Einstein's Equations, the sustenance and evolution of the entire physical cosmos solely depends on the direct physical interactions that exist between certain "massive objects" and "Space-Time", which is assumed to "cause" the "curvature of Space-Time", and conversely, this "curved Space-Time" is assumed to "cause" (or determine) the "travelling-pathways" of those "massive" and other "less-massive" objects; But, once again, due to the "G-d's Physics" New "A-Causal Computation" Paradigm, which principally negates the very possibility of the existence of any such "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frame/s; therefore also Einstein's Equations basic "material-causal" assumption has to be negated! Instead, we reach the inevitable (surprising) theoretical conclusion, wherein what seems as the curvature of "Space-Time" by "massive objects" (and conversely the determination of those "massive/less-massive objects" as apparently "caused" by this "curved Space-Time") – truly only arises from the UCP singular higher-ordered simultaneous computation of all exhaustive spatial pixels in the universe (for each consecutive UF's frame/s), i.e., based on the discovery of the UCP's "Universal Computational Formula" (UCF) which completely integrates the four basic physical features of "space", "time", "energy" and "mass" for its simultaneous computation of all exhaustive spatial pixels comprising the entire physical universe!.

Likewise, "G-d's Physics" New ("A-Causal Computation") Paradigm was also shown to negate the Old "Material-Causal" Paradigm's assumption of the existence of the (purely hypothetical) concepts of "dark-matter" and "dark-energy" – which are assumed to "cause" the accelerated expansion of the physical universe, but which yet cannot be directly detected (despite numerous attempts to do so!) Alike Einstein's "ingenious" discarding of the (purely hypothetical) "Ether" concept of 19<sup>th</sup> Century Newtonian Mechanics as

"superfluous", due to the experimental "failure" to detect the presence of this "Ether" element, "G-d's Physics" (CUFT) New Paradigm also discarded the purely hypothetical concepts of "dark-matter" and "dark-energy" as "superfluous" (e.g., "non-existent!") due to the inability of numerous experimental efforts to detect those "dark-matter" and "dark-energy" concepts; and due to the New "G-d's Physics" Paradigm's principle negation of the very possibility of the existence of any such direct (or even indirect) "material-causal" physical interactions between any such (purely hypothetical) "dark matter" or "dark-energy" concepts and the various galaxies, stars and planets comprising the entire physical universe – e.g., which is assumed to "cause" the accelerated expansion of the universe!? Instead, the New "G-d's Physics" Paradigm explains the empirically observed accelerated expansion of the physical universe – not as "caused" by any direct (or even indirect) physical interaction/s between any purely hypothetical "dark-matter" or "dark-energy" and any other exhaustive spatial pixels comprising certain elements in the physical universe (such as stars, galaxies "matter" or "energy"), but rather as resulting from the UCP's simultaneous computation of all of the exhaustive spatial pixels comprising the entire physical universe for each consecutive UF's frame/s! Specifically, the New "G-d's Physics" Paradigm explains the accelerated expansion of the physical universe – as arising from the UCP's accelerated addition of the number of exhaustive spatial pixels added to each consecutive UF's frame/s (which it computes simultaneously)!.

On the subatomic level, the New "G-d's Physics" Paradigm also greatly challenges the Old "Material-Causal" Paradigm of Quantum Mechanics; instead of QM's "Material-Causal" assumption wherein it is assumed that the subatomic measurement of any given subatomic "target" element's "probability wave function" "collapses" as "caused" by its direct physical interaction with another subatomic "probe" element; Once again, such a "material-causal" assumption is negated by "G-d's Physics" New "A-Causal Computation" Paradigm which negates the very possibility of any such direct physical interactions between any two (or more) exhaustive spatial pixels existing either in the same or different UF's frames! Instead, the New "G-d's Physics" Paradigm postulates that the UCP singular higher-ordered simultaneous computation of all exhaustive spatial pixels in the universe – includes its computation of single- "particle" or multiple- "wave" spatial-temporal entities, which are embedded within the UCP's exhaustive computation of all of the exhaustive spatial pixels comprising the entire physical universe at each minimal time-point UF's frame/s; Hence, as outlined previously, instead of the "collapse" of the target's hypothetical probability wave function based on its direct physical interaction with another subatomic probe element, according to the New "G-d's Physics" Paradigm, the UCP simultaneously computes both the "single spatial-temporal particle" elements and the "multi spatial-

temporal wave" elements – which are both embedded within the more exhaustive entire UF's frame/s being computed (simultaneously) by the UCP!.

## 2. "G-d Does Not Play with Dice": "G-d's Physics" UCP's Universal Computational Formula & Hierarchical Laws of Manifestation!

Hence, the New "G-d's Physics" Paradigm entirely revises our basic understanding of the origin- sustenance- and evolution- of the entire physical universe: not as created by an initial "random" Big-Bang nuclear event, nor as being governed by any "material-causal" physical interactions between certain "massive-objects" and "Space-Time" (which are assumed to "curve" Space-Time etc.), nor as being driven by purely hypothetical "dark-matter" and "dark-energy" entities (which are assumed to "cause" the accelerated expansion of the physical universe); Nor is the subatomic realm governed by direct (or indirect) physical interactions between subatomic "probe" and "target's probability wave function" which "causes" the "collapse" of the probability wave function into a singular complimentary (space-energy or time-mass) value?! Instead, the New "G-d's Physics" Paradigm forces Science to accept the basic fundamental discovery of a singular higher-ordered UCP which simultaneously computes all exhaustive spatial pixels in the universe for each consecutive UF's frame/s! Instead, we begin realizing that since there cannot exist any direct (or even indirect) physical interactions between any two (or more) exhaustive spatial pixels in the universe – existing either in the same- or different—UF's frames, and moreover that the entire physical universe "dissolves" in-between" any two consecutive UF's frames, therefore the whole existence, "dissolution", sustenance, and evolution of the entire physical universe cannot be explained through any direct (or even indirect) physical interactions between any two (or more) exhaustive spatial pixels, but may only be explained based on the UCP's singular higher-ordered (simultaneous) computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s! Indeed, one of the profound new theoretical postulates of the New "G-d's Physics" Paradigm is the "Computational Invariance Principle" postulate and its closely associated "Universal Consciousness Reality" theoretical postulate: these two new theoretical postulates essentially point out that since only the singular higher-ordered UCP may be considered as "computationally-invariant", e.g., existing both "during" its simultaneous computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s, and also solely existing "in-between" any two consecutive UF's frame/s (without the presence of any physical universe); whereas all exhaustive spatial pixels comprising the entire physical universe may only be regarded as "computationally-variant", i.e., existing only "during" each consecutive UF's frame as solely being computed by the UCP, but "ceasing to exist" by "dissolving" back into the singularity of the UCP "in-between" any two consecutive UF's frame/s; therefore the "Computational Invariance Principle" postulates that

only the singular (computationally-invariant) UCP may be considered as "constant" (and "real"), whereas the entire physical universe may only be seen as "computationally-variant" – that is, as existing only "phenomenally" and "transiently" "during" the UCP's computation of each consecutive UF's frame/s, but "dissolving" back into the singularity of the UCP "in-between" any two consecutive UF's frames! Even more profound is the associated "Universal Consciousness Reality" theoretical postulate which suggests that since only the "Universal Computational/Consciousness Principle" (UCP) is seen as "constant", "continuous" and "unchanging", whereas the "phenomenal", "transient" physical universe exists only as solely produced by this Universal Consciousness Principle (UCP); therefore, we reach the inevitable conclusion wherein there truly exists only one singular higher-ordered "Universal Consciousness Reality" (UCR) – which solely exists "in-between" any two consecutive UF's frames, and which manifests as the physical universe "during" each consecutive UF's frame/s!.

Indeed, the discovery of this latter "Universal Consciousness Reality" (UCR) theoretical postulate brings about an amazing new "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying Relativity Theory and Quantum Mechanics to the New "G-d's Physics" Paradigm, because it unravels the purely "Universal Consciousness Principle's" origination-sustenance- "dissolution" and evolution- of each and every exhaustive spatial pixel in the universe, as well as of the existence of the whole entire universe! Once we realize that according to the New "G-d's Physics" "Universal Consciousness Reality" theoretical postulate the whole existence of the physical universe merely represents a "transient-phenomenal manifestation" of the only "real" singular, higher-ordered "Universal Consciousness Reality" (UCR or UCP) and that the whole universe "dissolves" back into this singular UCR "in-between" any two consecutive UF's frame, then this entirely alters our basic understanding of the true nature of the physical universe (and all of its comprising exhaustive spatial pixels for each consecutive UF's frame/s solely computed by this singular UCR/UCP); we can no longer consider any relativistic or quantum "phenomenon", "entity", "particle" or "force" as existing as an "independent" or "solid" reality – because it is only being computed and sustained by the singular higher-ordered UCP/UCR and it only exists "transiently" "during" each consecutive UF's frame (as solely computed- "dissolved"- and sustained- by this singular UCP/UCR), but "ceases to exist" (e.g., "dissolves" back into the singular existence of the UCR "in-between" any two consecutive UF's frame/s)!? So, we reach the inevitable ("somewhat "shocking") realization wherein the only "real", "solid", "continuous" and "constant" "Reality" is this singular higher-ordered "Universal Consciousness Reality" (UCR) – whereas all relativistic or quantum phenomena, particles, forces or entities (such as suns, galaxies, particles, forces and even "laws") are

realized to represent mere "transient-phenomenal manifestations" of this singular higher-ordered UCR which exists constantly and continuously both "during" its (simultaneous) computation of all exhaustive spatial pixels comprising the entire physical universe for each consecutive UF's frame/s, as well as exists solely (without the presence of any physical universe) "in-between" any two such consecutive UF's frame/s!.

We therefore "abandon" (and indeed negate) the Old "Material-Causal" Paradigm of 20<sup>th</sup> Century Physics underlying both Relativity Theory (RT) and Quantum Mechanics which assumes that any relativistic or quantum "phenomenon", "entity", "force" or even "law" can be explained as "caused" by its direct (or indirect) physical interaction with another given material entity – instead realizing that the only "real" underlying "Reality" which computes- sustains- "dissolves"- and evolves- any relativistic or quantum entity or phenomenon is the singular higher-ordered UCR (or UCP) which simultaneously computes all exhaustive spatial pixels comprising the entire physical universe for each consecutive UF's frame/s! Indeed, this new and profound realization of "G-d's Physics" sounds strikingly similar to Einstein's (almost "prophetic") statement that "G-d does not play with dice"! Even though Einstein's famous statement was said within his "discontent" with the "probabilistic nature" of Quantum Mechanics, more fundamentally, Einstein's historic statement pointed at his deep "insight" that the entire physical universe may be "guided" or indeed "underlie" by a singular higher-ordered "Divine Power" which directs the dynamics and evolution of the universe... Indeed, the discovery of the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics forces to acknowledge that there cannot exist any "probabilistic" or even "positivistic" direct physical interactions between any two (or more) exhaustive spatial pixels comprising either the same- or different- UF's frame/s, but rather that the only "real Reality" which both (simultaneously) computes all exhaustive spatial pixels comprising the entire physical universe "during" each consecutive UF's frame/s and which continues to exist solely (without the presence of the physical universe) "in-between" any two consecutive UF's frames is this singular higher-ordered Universal Consciousness Reality (UCR or UCP)!

Surprisingly, this new profound discovery of the singular existence of the UCR forces us to acknowledge that this singular UCP/UCR Reality's computation- sustenance- "dissolution" and evolution- of each and every exhaustive spatial pixel comprising the entire physical universe "during" each consecutive UF's frame/s may only be explained based on this singular higher-ordered UCR/UCP "intrinsic characteristics" or "Hierarchical Laws of Manifestation"! As pointed out previously, it is essential to understand that unlike the Old "Material-Causal" Paradigm's "Materialistic-Reductionistic" basic approach which sought to "fragment" and "dissect" any physical phenomenon into more "rudimentary" material

elements, e.g., assumed to "cause" or "Explain" the given physical phenomena, entity or "law", the New "G-d's Physics" Paradigm negates and transcends such "Materialistic-Reductionistic" approach since it recognizes the fact that no such "elementary" or "basic" "material" entity, particle, force/s or even "law" can exist "independently" of the singular higher-ordered UCP (or UCR) which solely (and continuously) exists both "during" its simultaneous computation of all exhaustive spatial particles comprising each consecutive UF's frame/s and also exists singularly (without the presence of any physical universe) "in-between" any two consecutive UF's frame/s; On the contrary, as we've seen already, the apparent "transient-phenomenal" existence of each of these "basic subatomic particle/s" or "basic (four) forces" etc. – can only be (truly) explained based on the singular higher-ordered UCP's (UCR's) computation of any exhaustive spatial pixel/s for each consecutive UF's frame/s! We therefore need to outline (once again) those "UCP's Hierarchical Laws of Manifestation" – which unlike the Old "Material-Causal" Paradigm's "Materialistic-Reductionistic" approach actually "ascend"- and become increasingly "comprehensive"- and unitary"- and depend upon each other as higher- and more inclusive- manifestations or characterizations of this singular higher-ordered UCP/UCR!.

#### **a) The UCP's Three "Computational Dimensions": Framework, Consistency and Locus**

The first ("lowest") Law of Manifestation is the UCP's three "Computational Dimensions" of "Framework" (frame/object), "Consistency" (consistent/inconsistent) and "Locus" (global/local), which were shown to produce the four basic physical features of "space" and "energy" (i.e., "frame-consistent" or "frame-inconsistent") or "mass" and "time" (e.g., "object-consistent" or "object-inconsistent") computational measures. This means that the UCP's basic computation of the four basic physical features of the physical universe of "space" and "energy", "mass" and "time" are seen to merely represent different computational combinations of the UCP's (UCR's) two Computational Dimensions (Framework and Consistency – with the third "Locus" Computational Dimension qualifying these four basic physical features depending on the particular point of view of the "observer", e.g., from within the measured phenomenon or from the perspective of the entire UCP's frame etc.).

#### **b) The UCP's "Universal Computational Formula" (UCF): Complete Integration of Space, Energy, Time & Space**

The "second" (ascending) UCP's Law of Manifestation is its "Universal Computational Formula" (UCF) which completely integrates those four basic physical features of "space" and "energy", "mass" and "time" – due to the UCP's simultaneous computation of each of those exhaustive spatial pixel's four basic physical features! We find that due to the fact that the UCP simultaneously

computes all of those four basic physical features simultaneously for each exhaustive spatial pixel therefore the UCP's "Universal Computational Formula" (UCF) describes the manner in which these four basic physical features are computed simultaneously (for each exhaustive spatial pixel comprising every consecutive UF's frame/s)! As explained previously, we find that this integrated simultaneous computation of the UCP – of those four basic physical features implies that they are truly not "separate" or "independent" of each other, but rather represent integrated- and (in fact) "complimentary" secondary computational "by-products" of the same singular UCP's computation of every exhaustive spatial pixel (in the universe), in terms of it's "Object"/"Frame" – "Consistent"/"Inconsistent" computational measures; As explained previously, for instance, the well-known relativistic "laws" (and relationships), such as between an object's relativistic speed and it's increase in "mass" or "dilation of time" – may be easily explained based on the UCP's simultaneous and integrated computation of any given object's (increased) "Object-consistent" ("mass") value and its (decreased) "Object-inconsistent" ("time") value, or between an object's (increased) "Frame-inconsistent" ("energy") value and its (increased) "Object-consistent" ("mass") value; this is due to the fact that the UCP's computational definitions of any give (exhaustive) spatial pixel's "Object-consistent" ("mass") is converse to its computational definition of that spatial pixel's "Object-inconsistent" ("time"), and likewise due to the UCP's computational definition of any given (exhaustive) spatial pixel's "Frame-inconsistent" ("energy") value is necessarily conversely related to its computational definition of that spatial pixel's "Object-consistent" ("time") value, due to certain UCP's computational constraints set on the "maximal degree of displacement" possible of any given object (e.g., in terms of the number of spatial pixels it may be displaced across any two given consecutive UF's frame/s!) Indeed, in this manner the discovery of "G-d's Physics" "Universal Computational Formula's" complete unification of the four basic physical features of "space" and "energy", "mass" and "time" (as "Frame"- "consistent"/"inconsistent" and "Object"- consistent"/"inconsistent" computational measures) has led not only to the unification of key relativistic and quantum features as integral computational aspects of the UCF, but (perhaps more significantly) also led to a complete unification of space, energy, mass and time as secondary computational integrative aspects of the same unitary singular UCR, including its replication and explanation of key Relativistic and Quantum "law" and relationships such as the "Energy-Mass Equivalence", the "curvature of Space-Time by mass" the "dilation of time" for "relativistic observers" (or for "massive objects") etc. Indeed, one of the recent "striking" new discoveries made through this UCF is its potential accounting for all known (and to be discovered) elementary particles predicted by the Standard Model – as merely representing different computational values

embedded within this UCP's "Universal Computational Formula"; as well as unifies between the four basic forces (Weak, Strong, Electromagnetic and Gravitational)! Nevertheless, as pointed out above (and previously), "G-d's Physics" realization of the "Computational Invariance Principle" and especially of the "Universal Consciousness Reality" (UCR) teaches us that none of these "transient-phenomenal" "particles", or "forces" or even four basic physical features (of "space" and "energy", "mass" and "time") may be regarded as "real" continuous "independent" material entities – but are now only seen as transitory manifestations of the singular higher-ordered UCR!

**Universal Computational Formula (UCF)**

$$\begin{matrix} \text{Y} \\ \left. \begin{matrix} c^2 \\ - \\ h \end{matrix} \right\} \\ \text{UF's } \{\eta \dots \eta \dots \kappa\} \end{matrix} = \frac{s * e}{t * m}$$

(Note: herein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("Y") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "X through "Z " to "N") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec!).

**c) The UCP's Supra Spatial-Temporal Reservoir: Multiple Possible Future/s!**

The next "rung" UCP's "Hierarchical-Law of Manifestation" relates to the UCP's computation of all possible "past", "present" and multiple possible "future/s" UF's frame/s which are contained within the UCP's "Multi Spatial-Temporal Reservoir"! Indeed, according to "G-d's Physics" New Paradigm, since there cannot exist any direct (or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different-UF's frames – but rather the UCP simultaneously computes all of these exhaustive spatial pixels comprising each consecutive UF's frame/s; therefore there exists a "bank" of all "past", "present" and multiple possible "future/s" UF's frame/s which are computed by the UCP and stored within it – which in turn are dependent upon still higher "rung" "Hierarchical-Laws of Manifestation", i.e., such as the "Dynamic-Equilibrium Moral Principle"! It is nevertheless noteworthy to mention (at this point) that this UCP's "Supra Spatial-

Temporal Reservoir" transcends "space" and "time" – as it includes all "past", "present" and multiple possible "future/s" UF's, and also that it exhibits a "unitary-integrative-singular" Reality which encompasses all past, present and multiple future/s UF's as a singular Reality which is associated and indeed being affected by yet higher "rungs" of the UCP's "Hierarchical Laws of Manifestation"!

#### **d) The UCP's "Dynamic-Equilibrium Moral Principle"**

The next ("higher-up") "Hierarchical Law of Manifestation" is the "Dynamic-Equilibrium Moral Principle" which essentially describes one of the basic intrinsic propensities or characteristics of the "Universal Consciousness Reality" (UCR) which relates to its basic "Unitary-Harmonious" nature; i.e., since there exists only one singular higher-ordered UCP/UCR – which exists both "during" it's (simultaneous) computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s and also solely exists (without the presence of any physical universe) "in-between" any two consecutive UF's frame/s, and since this unitary and singular UCR possesses an intrinsic propensity to encourage all "Individual Human Consciousness" (e.g., human beings) to realize their "inseparability" from this singular higher-ordered "Unitary-Harmonious" UCR; therefore the "Dynamic-Equilibrium Moral Principle" represents the UCP's intrinsic tendency towards "balancing" any "moral-injustice" or "immoral choice" made by any given Individual Human Consciousness towards another Individual Human Consciousness! Metaphorically speaking, in the same manner that a healthy human-being would never use their "right hand" to "inflict pain" upon their "left hand" (because they are part of the same human-being), so does this UCP's "Dynamic-Equilibrium Moral Principle" operates to "teach" and "correct" any given Individual Human Consciousness (e.g., person) who opts to inflict "pain" or "suffering" (G-d forbid) upon another Individual Human Consciousness to not repeat such "immoral-choice/s or action/s" based on its computation of an "equivalent negative (pain/suffering)" experienced by the same Individual Human Consciousness that decided to inflict pain upon another Individual Human Consciousness... This means that to the UCP's "Dynamic-Equilibrium Moral Principle" selects one of the multiple possible "future/s" for each Individual Human Consciousness based on its "moral/immoral" choice/s and action/s executed towards any other Individual Human Consciousness – in order to "balance" any "immoral choice/action" so that that Individual Human Consciousness that chose ('G-d forbid') to inflict pain upon another Individual Human Consciousness would have to "experience" (itself) such a "negative experience" (e.g., of the same degree of "pain"/"suffering" that it inflicted upon the other Individual Human Consciousness). Indeed, as mentioned above (and previously) the "Trampoline-Metaphor" was given wherein if a "metal-bar" was placed on the elastic

sheath of a Trampoline such that it "connects" two points (equivalent to two Individual Human Consciousness), and to the extent that one of these two points "chose" to "push and press hard" the metal-bar against the other point – then this would inevitably lead to the other point automatically "pushing back" the metal bar against the "first-point" (which would be a representation of the Dynamic-Equilibrium Moral Principle's "balancing" of any "immoral-choice" made by one Individual Human Consciousness against another Individual Human Consciousness that "automatically" sets in motion the UCR's "balancing" and "teaching" that "inflicting-pain" Individual Human Consciousness having to experience the same "degree" of "pain/suffering" that it inflicted upon the other Individual Human Consciousness)... We therefore see that the selection of one of multiple possible "future/s" UF's for each Individual Human Consciousness is carried out by the UCR – based on the "moral/immoral choice/s" executed by any Individual Human Consciousness at any given point in time towards any other Individual Human Consciousness! (Obviously, such "incomprehensible" , "infinite" Intelligence implied by this UCR's "infinite" capacity to compute and "balance" all of the almost either Billion Individual Human Consciousness towards any other Individual Human Consciousness at any past, present or indeed future/s time/s – may invoke a sense of "wonderment", "awe" and even "reverence" towards this UCR's "Infinite Intelligence" and also its basic "All-Goodness" propensity to "teach" and "harmonize" all Individual Human Consciousness to "respect" and regard any other Individual Human Consciousness as "inseparable" from the same singular higher-ordered "Universal Consciousness Reality"...) )

#### **e) The UCP's "Expansion of Consciousness" (Inanimate & Animate) Hypothesis**

But, even beyond the UCP's "Dynamic-Equilibrium Moral Principle", which computes one of multiple possible "future/s" UF's frame/s for each Individual Human Consciousness based on each Individual Human Consciousness' "selection" of "moral/immoral choice/s" at each point in time, there exists a more general tendency of the UCP to express ever more "expansive" forms of Consciousness – i.e., from the inanimate forms of "matter" (e.g., including all relativistic and quantum subatomic "particle/s" or "wave", the Four Forces of Nature etc.) through animate: plants, animals and leading up to human-beings (which manifests the most "expansive" form of Consciousness! Even within this most advanced and "Expansive" form of Individual Human Consciousness (e.g., human-beings) there exists a further "Expanded form of Human Consciousness" – in which the Individual Human Consciousness is "inseparable" from the Universal Consciousness Principle (UCP or UCR), which was previously outlined; In this "expanded" form of Individual Human Consciousness the "expanded Human Consciousness" functions in a manner which is equivalent to the functioning of the UCR (e.g., in some respects, at least) –

which implies that such "Expanded Individual Human Consciousness" can cognize- know- and even affect- any exhaustive spatial pixel/s in the universe (simultaneously and pertaining to any "past", present" or multiple possible "future/s" UF's frames)! Indeed, as previously outlined this "Expansion of Consciousness" hypothesis implies that there does not exist any real "separation" between the UCP's "driving" of the evolution of Inanimate forms (e.g., relativistic or quantum – including the accelerated expansion of the universe and all Four Forces, basic particles etc.) towards its more expansive expression of animate forms – including the whole presentation of ever more conscious forms of animate: plants, animals and human-beings and up to the most "expanded form of Individual Human Consciousness! Hence, for the first time, Science's New "G-d's Physics" 21<sup>st</sup> Century Paradigm "bridges the (apparent) gap" between its various sub-disciplines of Physics, Biology and Psychology etc., as comprising one fully integrated process allowing the UCP to express ever more "conscious" and "expansive" forms of manifestation!

**f) The UCP's "Collective Human Consciousness Focus Hypothesis" & Jewish "Rosh-Hashana" (New Year) Non-Continuous Accelerated Expansion Rate Prediction**

The next higher-up "rung" of the Hierarchical Laws of Manifestation is the "Collective Human Consciousness Focus" (hypothesis) which essentially points out that there exists a close connection between a state in which a multitude group of Individual Human Consciousness all focus collectively upon the singular higher-ordered UCP/UCR – in prayer to be "connected" or receive "plentitude" from this singular higher-ordered UCP/UCR, which brings about a "Blessing" or "Plentitude", "Life", "Growth", "Goodness" from this singular higher-ordered UCP/UCR! This "Collective Human Consciousness Focus Hypothesis" explains in what manner this singular higher ordered UCR bestow "Growth", "Expansion", "Life" or "Goodness" upon all of Humanity, and even towards the accelerated expansion of the physical universe! In other words, beyond the previous "Dynamic-Equilibrium Moral Principle's" account of the UCP/UCR's selection of one of multiple possible "future/s" UF's frame/s for each Individual Human Consciousness – in order to "balance" and "teach" each such Individual Human Consciousness to recognize it's inherent "oneness" and "unitary-harmony" with all other Individual Human Consciousness based on their common "inseparability" from this singular higher-ordered UCR and its intrinsic basic "Moral Principle"; Beyond that there arises the question – what may "drive" the UCR's singular higher-ordered Reality to evolve the entire universe and particularly our own Human World and lives and continuously bestow "Life", Health", "Sustenance", "Goodness" to continue to sustain and evolve our physical existence and needs (material and spiritual etc.), as well as sustain and evolve the whole of Life, the various Suns, Galaxies and Universe at large?! Once

again, we must remember that according to the New "G-d's Physics" Paradigm, we cannot (any longer) look towards any "material-causal" direct or indirect physical interactions between any two (or more) exhaustive spatial pixels, but rather must look at these higher-ordered "Hierarchical Laws of Manifestation" in order to be able to understand and "explain" the UCR's continuous computation- "dissolution" and evolution of every exhaustive spatial pixel comprising every consecutive UF's frame/s! Indeed, according to this "Collective Human Consciousness Focus Hypothesis" and associated Jewish "Rosh-Hashana" (New Year) "Non-Continuous Accelerated Expansion of the Universe" one of the "reason/s" for the singular higher-ordered UCR's continuous computation- sustenance- and evolution- of the entire physical universe is anchored in- or related to- a State of "Collective Human Consciousness Focus" towards this singular higher-ordered UCR, in which many millions of Individual Human Consciousness direct their focus and Consciousness collectively towards this UCR and pray for the bestowal of "Goodness, "Life", Happiness" etc.!.!

Indeed, according to one of the unique "Critical Predictions" differentiating the new "G-d's Physics" from the Old "Material-Causal" Paradigm is this particular prediction wherein there will be a "Non-Continuous Accelerated Expansion Rate" at the Jewish Rosh-Hashana (New Year) time-interval wherein the accelerated rate of the universe's expansion rate – observed in each Jewish Year prior to the "Rosh-Hashana" (New Year) will increase in a non-continuous rate ("leap") at the special "two-day" time interval of the New Rosh-Hashana time (and continue at this increased accelerated rate throughout the New Jewish Year) – due to the abovementioned "Collective Human Consciousness Focus Hypothesis", wherein Millions of Jews all over the world pray at this time to the singular higher-ordered UCR, "G-d" for providing them and the world with Life, Health, Growth etc.!

**g) The UCP's "Reversed-Time Goal Hypothesis" ("Geula")**

Indeed, the discovery of the UCP's "Non-continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana" special "time-interval" and the UCP's basic "Good-Will" propensity to bestow "Life", "Health", "Happiness", "Fulfilment" is closely related to the UCP's basic "Goal" in creating- sustaining- and evolving the entire physical universe, the "Expansion of Consciousness" (e.g., including the development of inanimate, animate" plants, animals, human-beings) – all "designed" and "planned" to culminate in the leading up to another "higher" "Hierarchical Law of Manifestation" of the UCP which is called: the UCP's "Reversed-Time Goal (Geula) Hypothesis"! According to this "Reversed-Time Goal Hypothesis (Geula), the UCP's entire series of UF's frames – from the beginning of the manifestation of the inanimate physical universe through its various expressions of ever more expansive forms of animate:

plants, animals and human-beings etc. – is all planned and designed initially to lead to the universe's "Perfected Geula" State: Physically, Morally and Spiritually! Indeed, as outlined previously, this Perfected State of "Geula" (e.g., a term signifying complete "Redemption" and "Perfection" in the Jewish Tradition) represents a state of the world in which there exists complete "harmony", "peace", and a basic recognition and gratitude of human-beings towards the basic underlying singular "All-Goodness" "UCR, i.e., "G-d" Reality which continuously sustains and evolves all of Life and the entire universe; Tis state is also typified by the lack of any "violence" or "aggression, the abolishment of "death" and complete peace, harmony and a deep sense of gratitude and appreciation, prayer and studying of this singular higher-ordered Universal Consciousness Reality, "G-d"!

#### **h) The UCP's "Good-Will" Hypothesis**

The next "higher-up" "Hierarchical-Law of Manifestation" is the basic intrinsic propensity of this singular higher-ordered UCP/UCR of "Good-Will" (hypothesis) which characterizes the UCP's basic "drive" to bestow "Goodness", "Life", "Growth" towards all of Life! This basic "Good-Will" propensity of the singular higher-ordered UCR manifests in its basic sustenance and Life-Giving force to create Life, sustain all of Life, fulfill the basic needs and beyond that create ever more "expansive" opportunities for Life in general and human-beings (in particular) to grow and evolve, to fulfil their full potential and to expand their Moral and Spiritual awareness towards appreciating the Oneness and Singularity of this Universal Consciousness Reality.

#### **i) The UCP's "Free-Will" Hypothesis**

Above and beyond all of these UCP's various "Hierarchical Laws of Manifestation" the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics and Science postulates that there exists the most basic "Free-Will" of the UCP – unbound by any "limits" of its creation of the physical universe and all of its various inanimate and animate forms, unaffected by any of the multifarious manifestations of the universe and which transcends even its own "ultimate Goal of Geula"! This entirely "Free-Will" origin of the UCP, nevertheless "cares" about the "Goodness" of Human-beings and all of Life; this is also where the Jewish concept of an unlimited "Compassion and Forgiveness" (e.g., Thirteen Propensities of Mercy") of this UCP manifests and where the basic Jewish concept of "Teshuva" – the ability to ask for "forgiveness" from this singular UCR, "G-d" and to make a "sincere conscious decision" to "not repeat any immoral actions" is made possible (which was also shown to be capable of "altering" and indeed "avoiding" any of the negative possible "multiple future/s" instigated by any Individual Human Consciousness selection of any "immoral action/s", G-d forbid)!

### **3. "G-d's Physics" Hierarchical Multi-Level Computational Universe – Leading to "Geula"!**

We finally come to the fulfillment of Einstein's "quest" towards unifying all of the basic Forces of Nature (e.g., Strong, Weak, Electromagnetic and Gravitational) within one simple "Universal Computational Formula", which was discovered by the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Physics! As Einstein foresaw "G-d does not play with dice"! in other words, the whole evolution of the physical universe cannot be explained merely based on direct (or even indirect) physical interactions between any two (or more) exhaustive spatial pixels existing in the same- or different- UF's frame/s! This is because as we've seen based on the discovery of "G-d's Physics" New "A-Causal Computation" Paradigm which *negates* the very possibility of the existence of any such direct/indirect physical interactions between any exhaustive spatial pixels (existing either in the same- or different- UFs frame/s) due to the *simultaneity* of the UCP's computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frame/s! In this manner, the Old "Material-Causal" Paradigm of 20<sup>th</sup> Century's Relativity Theory and Quantum Mechanics was negated- embedded and (indeed) "transcended" by the New "G-d's Physics" Paradigm which evinced that the only manner in which this newly discovered UCP/UCR may be shown to continuously originate-sustain- "dissolve"- and "evolve" the entire physical universe – is based on its outlining of the "Ten Laws of Hierarchical Manifestation" which lead from the most basic UCP's Three "Computational Dimensions" that simultaneously compute all exhaustive spatial pixels in the universe for each consecutive UF's frame/s, through the UCP's associated "Multi Spatial-Temporal Reservoir" which contains all "past", "present" and multiple possible "future/s" UF's (for each Individual Human Consciousness) – which is being "selected" by the UCP based on its higher-ordered "Dynamic-Equilibrium Moral Principle" based on the "moral/immoral choice" of each Individual Human Consciousness towards any other Individual Human Consciousness (at any point in time) in order to "balance" or "correct" any Individual Human Consciousness "immoral" action/s; Even beyond the UCP's striving to "teach" or "correct" or "uplift" all Individual Human Consciousness towards their internal realization of their "oneness" – as integral and "inseparable" parts of this singular higher-ordered UCR/UCP, the UCR was indeed shown to strive to manifest ever more "expansive" forms of inanimate, then animate: plants, animals, human-beings – and even towards the most "expanded" form of Individual Human Consciousness (in which the Individual Human Consciousness realizes that it is "inseparable" from the Universal Consciousness Reality and therefore can also function in manners somewhat equivalent to the capacity of this singular higher-ordered UCR!); We then realized that according to "G-d's Physics" New Paradigm's Ten Laws of Hierarchical Manifestation, above and beyond

the UCP's "Expansion of Consciousness" manifest in its creation of inanimate, animate: plants, animals and human –beings, there is a higher "rung" in which the very "desire" of this UCR to create such "evolving" forms of ever more expansive Consciousness, and to sustain all of Life and the continuous creation (and evolution) of the entire physical universe) is "driven" by the "Collective Human Consciousness Focus (Hypothesis)", which brings about a "renewal" and "Non-Continuous Accelerated Expansion of the Universe" at the Jewish "Rosh-Hashana" special time-interval (in which Millions of Jews pray and focus on the singularity of this UCR, i.e., "G-d" asking for its infinite "Giving of Life, Health, Happiness, Fulfillment etc."... This "plea" and "prayer" (e.g., Collective Human Consciousness Focus) of so many Jews in the Jewish Rosh-Hashana time-interval which brings about the "renewal" and "evolution" of the entire physical universe, its "Non-Continuous Leap in the Rate of Accelerated Expansion" and indeed the abovementioned evolution and expansion of Consciousness (from inanimate through animate" plants, animals, human-beings and up to the full "expansion" of Individual Human Consciousness as "inseparable" form the Universal Consciousness Reality) – was also seen to arise from UCP's basic fundamental "Ultimate Geula Goal" – of bringing the entire physical universe towards a State of Physical, Moral and Spiritual Perfection! Indeed, according to this higher "Reversed-Time Goal Hypothesis" the UCR's Ultimate "Geula Goal" stands at the very basis of all of its computation of the entire progression of the universe from its very "first" UF frame through its entire "past", "present" and multiple possible "future/s", all geared towards the realization of the "oneness" and "perfection" of all creation as "inseparable" from this UCR; In particular, this "Ultimate Geula Goal" manifests through the realization of human-beings of this "Perfect Physical Moral and Spiritual State", in which there could be no more "disharmony", "wars", strife or aggression – instead, in which all Individual Human Consciousness will realize the "Oneness" and Singularity" of this Universal Consciousness Reality and therefore live in perfect Harmony and Peace with each other... The two highest "rungs" associated with the UCR's Ten Laws of Hierarchical Manifestation are: the UCR's "Good-Will" and "Free-Will" propensities! The "Good-Will" Law of Manifestation simply points at the very fundamental aspect of characteristic of the UCR which tends to Bestow Life, Goodness and all aspects of "Giving" – creating the myriads of galaxies, suns, planets, atoms, inanimate and animate forms of manifestation and aspiring to "evolve" them towards the Perfected State of Geula! The "Free-Will" higher Law of Manifestation teaches us that despite the "Good-Will" propensity and all of the other Laws of Hierarchical Manifestation, at the very "top" aspect of the UCR, the UCR is entirely "free" and "unbound" by any of its Laws of Manifestation – in fact it exists in a manner that is "unbound" and exists "independently" of the entire

physical universe and all of creation! Yet at the same time, this primal highest Law of Manifestation is also associated with what Jewish Tradition calls: the Thirteen Propensities of Mercy", which means that due to its "unbounded nature" it can "bypass" and bestow "forgiveness" and renewal of "Life, Hope and Goodness – even for an Individual Human Consciousness which "violated" or performed "immoral actions but then undergoes a complete "teshuva" – remorse, a sincere asking of "forgiveness" and a sincere conscious decision not to repeat any "wrong-doing", which then allows for this highest "Free-Will" & "Thirteen Propensities of Mercy" to "cancel" the otherwise selection of a "negative-correcting" possible "future" UF's frame for any Individual Human Consciousness which made an immoral-choice towards another Individual Human Consciousness!.

So, where does all of these UCR's "Ten Laws of Hierarchical Manifestation" lead us, and what new (profound) understanding does this New "G-d's Physics" Paradigm supply Science (and Humanity more generally)? Simply put, it tells us that the whole creation, sustenance and evolution of every exhaustive spatial pixel in the physical universe – from its inception to our present state of the universe is "pre-ordained" and "programmed" by this singular higher-ordered UCR to evolve continuously in the direction of the "expansion of Consciousness" from inanimate matter through animate" plants, animals, human-beings and up to the fully "expanded" form of Individual Human Consciousness, and leading up the "Perfect Geula" State of Humanity and the World (at large) as set by the singular higher-ordered UCR! We suddenly realize that contrary to the Old (20<sup>th</sup> Century) "Material-Causal" Scientific Paradigm which viewed the origin of the universe by a "chance" "Big-Bang" nuclear explosion, the evolution of the universe as dictated by direct physical interactions between certain "massive objects" and Space-Time and its ongoing accelerated expansion as initiated by (purely hypothetical) "dark-matter" or "dark-energy" concepts; Or at the quantum subatomic level, contrary to the Old Model's conception of the entire physical universe being governed by "probabilistic" direct interactions between subatomic "target probability wave function" elements and corresponding subatomic "probe" elements which cause the "collapse" of this probability wave function into complimentary (space-energy, mass-time) singular value; the New "G-d's Physics" evinces that there are no "chance" direct interactions between either relativistic "massive" entities and "Space-Time", nor between subatomic "target" and "probe" elements – dynamics because all exhaustive spatial pixels in the universe are computed simultaneously by this singular higher-ordered UCR for each consecutive UF's frame, and the whole entire physical universe "dissolves" back into the singularity of the UCR "in-between" any two consecutive UF's frame/s! Instead, we are shown that the only way in which we can theoretically explain both the existence of any relativistic or quantum "force", "law",

relationship or "entity", as well as the origin, sustenance and evolution of the entire physical universe – including its inanimate and animate forms is solely based on the discovery of "G-d's Physics" New Paradigm's singular higher-ordered UCR which simultaneously computes every exhaustive spatial pixel in the universe for each consecutive UF's frame/s at the unfathomable rate of " $c^2/h = 1.36^{50}$  (sec)!" And moreover, that the operation of this singular higher-ordered UCR may only be accounted for based on its "Ten Hierarchical Laws of Manifestation" which culminate in its basic "Free-Will" and "Good-Will" propensities and are "driven" by its innate Ultimate "Geula Goal" (e.g., "Reversed-Time Goal Hypothesis") which created the entire physical universe from its "onset" towards an "Ultimate Goal" of manifesting ever more "expansive" forms of Consciousness (e.g., from inanimate through animate: plants, animals, human-beings and up to the fully "expanded" forms of Individual Human Consciousness and Collective Human Consciousness Focus expressions) leading up to the "Perfected Geula State": Morally, Spiritually and Physically – in which the Oneness, Unity and Goodness of this singular higher-ordered UCR will be manifested, i.e., in particular in our Human Consciousness and World; A World in which there cannot exist any "wars", "aggression" or "conflict" since all of Humanity will recognize its innate fundamental "Oneness" with this singular "Universal Consciousness Reality", and operate harmoniously towards studying-realizing- and focusing- on this singular UCR, "G-d" Reality with gratitude, appreciation and praying etc.

In this sense, 21<sup>st</sup> Century Physics New "G-d's Physics" Paradigm may play a critically important role in bringing about this profound Ultimate State of "Geula" by recognizing that there exists a singular higher-ordered UCR force which not only unifies between Relativity Theory and Quantum Mechanics, between the Four basic Forces of Nature, between the four basic physical features of "space", "energy", "mass" and "time", between the evolution of inanimate and animate forms – but is also constantly creating, "dissolving" re-creating and evolving every exhaustive spatial pixel in the universe towards the realization of "G-d's Physics" discovery of what the Jewish Tradition has expounded for thousands of years: that this singular UCR "G-d" Reality is the only reality underlying the entire physical universe and is bringing it ever closer to the current realization of a Perfected (Physically, Morally and Spiritually) "Geula" State in which Science and Humanity will exist in complete Harmony and Peace, in recognition, gratitude and continuous reverence (and prayer and studying) of this "All-Goodness", "All-Giving" singular Universal Consciousness Reality, "G-d"!

#### Dedication

This article is dedicated to dear beloved Mrs. Diana Raz (בת שרה אימנו), a sweet, gentle & pleasant woman, bold and courageous who fought ferociously (like a lioness) to

light her own life and the lives of so many others with love and passion, was a light-house who shed light around her and lighten the hearts and lives of so many other couples assisting them find their "second-half" and chose to focus on the Goodness in their lives. Unfortunately her life was stumped at such an early age leaving behind her four innocent wonderful children – may her Memory be Blessed and may her Soul ascend to Paradise where she belongs.

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## "G-D'S PHYSICS": COMPLETE UNIFICATION OF THE FOUR BASIC FORCES OF NATURE & "GEULA"!

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\*Note: Dr. Bentovish is currently seeking the most appropriate leading Academic Institute to assist him in carrying-out further necessary empirical validation and Theoretical elaboration of his New Twenty-first Century New 'G-d's Physics' Paradigm.

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### ABSTRACT

Twenty-first Theoretical Physics is undergoing a major "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "A-Causal Computation" of the "Computational Unified Field Theory" (CUFT), also recently termed: "G-d's Physics" Paradigm! Contrary to the "Material-Causal" Paradigm which assumes that every physical subatomic or relativistic phenomenon can be explained merely through direct physical interactions between a subatomic "probe" and "target" (probability wave function) elements or between massive objects and their curvature of Space-Time (as described by Einstein's Relativistic Equations); The New "G-d's Physics" Paradigm negates the possibility of any such "Material-Causal" physical relationships due to the *simultaneity* of a singular higher-ordered "Universal Computational/Consciousness Principle's" (UCP) computation of all exhaustive spatial pixels in the universe for each consecutive "Universal Frames" comprising the entire physical cosmos at every minimal "time-point", e.g., computed at the rate of " $c^2/h = 1.36^{-50}$  sec"! This New "A-Causal Computation" Paradigm for 21<sup>st</sup> Century Theoretical Physics opens a plethora of new fascinating possibilities such as the unification of Relativity Theory and Quantum Mechanics, a complete unification of the four basic physical features of "space" and "energy", "mass" and "time" as secondary integral computational by-products of the UCP's singular operation, the possibility of transcending the strict relativistic "Speed of Light Barrier" for transmission of any signal or physical effect across space and time, "time-reversal" and even the "abolishment of death"! G-d's Physics New Paradigm has also been shown to challenge and revise the basic "Material-Causal" assumption underlying the "Big-Bang" Model, Einstein's Equations, the Second Law of Thermodynamics, discard the purely hypothetical concepts of "dark-matter" and "dark-energy" as "superfluous" (non-existent) and more generally also of Darwin's Evolutionary Natural Selection Principle! This article unifies the Four basic Forces known in Nature as a manifestation of the New "G-d's Physics" Paradigm's evolution of this singular Universal Consciousness Principle's full manifestation – from the limited "Material-Causal" assumption towards its fully expansive and integrated "Perfectured" – Morally, Spiritually and even Physically "Geula" (Redemption) State of Humanity and the Universe!

### INTRODUCTION

#### Twenty-first Century's Physics "Paradigmatic-Shift"!

Twenty-first Century Theoretical Physics finds itself in an "impossible" state in which the two basic "pillars" of Modern Physics, e.g., "Relativity Theory" and "Quantum Mechanics" seem "theoretically inconsistent", up to 95% of all of the mass and energy in the universe cannot be directly "detected" – instead assumed to comprise purely "hypothetical" concepts of "dark-matter" and "dark-energy", and there is an inability to unify between the four basic forces of Nature – i.e., particularly between gravity and the three other forces associated with the subatomic realm! Such a state of Physics obviously calls for a basic "Paradigmatic Shift" as previously described by the famous Philosopher of Science Thomas Kuhn in

1962 stemming from the fact that Science (and Physics) alternates between phases of "Standard Science" in which a particular Scientific discipline advances its knowledge based on the framework of a given "Standard Paradigm", and an alternative "Paradigmatic-Shift" phase in which the foundations of the "Old Standard Paradigm" seem "inconsistent" of each other and there appear a series of "unexplained physical phenomena" which cannot be accounted for by the Old Standard Paradigm and therefore call for a "New Paradigm" that would be able to resolve the (apparent) "theoretical-inconsistency" between the "pillars" the Old Standard Paradigm, account for those "unexplained physical phenomena" and also predict new "Critical Prediction/s" which cannot be accounted for by the Old Standard Paradigm!

Precisely such a state of a "Paradigmatic-Crisis" existed in Theoretical Physics just prior to Einstein's famous 1905 "Annus-Mirabelus" year's discovery of (Special) Relativity Theory and its full acceptance in 1915 following the empirical validation of its unique "Critical Prediction" regarding Mercury's Perihelion's pathway's curvature (doubled value) caused by the Sun's curvature of the fabric of Space-Time around it! We now stand at the brink of precisely such a "Paradigmatic-Shift" in 21<sup>st</sup> Century Theoretical Physics with the discovery of the New "Computational Unified Field Theory" (CUFT) called "G-d's Physics" Paradigm shown capable of resolving the apparent principle "theoretical-inconsistency" between Relativity Theory and Quantum Mechanics, alternatively explain the "unexplained phenomenon of "dark-matter" and "dark-energy" based on the discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe at the unfathomable rate of " $c^2/h = 1.36^{50}$  sec'!

Perhaps most apparent is this basic "theoretical crisis" calling for an immediate "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" (CUFT) Paradigm based on the "glaring" theoretical inconsistencies and unexplained phenomena existing in the Old "Material-Causal" Paradigm which specifically comprise:

1. An apparent "theoretical inconsistency" between Relativity Theory's (RT's) strict "Speed of Light Barrier" and Quantum Mechanics (QM's) "Quantum Entanglement" phenomenon indicating that it may be possible for two "entangled particles" to *instantaneously* affect each other's complimentary physical properties, thereby violating RT's strict theoretical constraint upon the transmission of any signal (or information) across space and time!
2. An inability of the Old "Material-Causal" Paradigm to account for the accelerated expansion rate of the physical universe – assumed to be explained by the purely hypothetical concepts of "dark-matter" and "dark-energy" which are assumed to account for up to 95% of all the mass and energy in the universe, but which could not be detected empirically (despite numerous attempts to do so)!
3. An inability to unify between the Four basic forces of Nature – specifically between the Gravitational Force (of General Relativity Theory) and the other three Quantum Forces (e.g., the Electromagnetic Force and the Strong and Weak Nuclear forces)! Once again this is a manifestation of the principle theoretical inability to unify between RT and QM as indicated by RT's conceptually "different" theoretical account of the Gravitational Force as derived from "massive objects" curvature of "Space-Time" (which, in turn, is assumed to "cause" or determine the "travelling-pathways" of those "massive objects" and other "less-massive" objects) as described by Einstein's Equations; and QM's

"Standard Model" depicting and explaining the plethora of subatomic particles existing and specifically explicating the three other basic Forces (e.g., Electromagnetic Force and Strong and Weak Nuclear Forces) – as originating from the specific subatomic physical interactions of these subatomic particles. Metaphorically this apparent principle inability to unify between RT's Gravitational Force and QM's "Standard Model" could be likened to the principle inability to "unify" or "bridge" between "apples and oranges", representing two separate and "different" entities which do not share any "common characteristics", thereby negating the very possibility of "unifying" them!?

### 1. "G-d's Physics" New Twenty-First Century's Paradigm

In order to gain a clear theoretical understanding of the necessary "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" Paradigm let us briefly describe some of the key theoretical postulates of this New "G-d's Physics" Paradigm and the manner in which this New "G-d's Physics" Paradigm offers a new (exciting) explanation for all of the Old "Material-Causal" (abovementioned) apparent "theoretical inconsistencies" as well as identifies new unique "Critical Predictions" that differentiate it from the corresponding predictions of the Old "Material-Causal" Paradigm, thereby allowing for a clear empirical validation of this New "G-d's Physics" (CUFT) Paradigm as the new satisfactory Paradigm for 21<sup>st</sup> Century Theoretical Physics!.

#### a) The "Universal Computational/Consciousness Principle"

According to the New "G-d's Physics" Paradigm, there exists a singular higher-ordered Universal Computational/Consciousness Principle (UCP) which *simultaneously* computes every exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h = 1.36^{50}$  sec'(!) giving rise to an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every such "minimal time-point", wherein "in-between" any two such consecutive UF's frames the entire physical universe "dissolves" back into the singularity of this UCP! This UCP possesses three "Computational Dimensions", e.g.,: "Framework" ("frame" vs. "object"), "Consistency" ("consistent" vs. "inconsistent") and "Locus" ("global" vs. "local") – two out of which "Framework" and "Consistency" produce the four basic physical features of "Framework" – "consistent" ("space") or "inconsistent" ("energy") and "Object" – "consistent" ("mass") or "inconsistent" ("time) physical features that continuously and simultaneously compute any exhaustive spatial pixel in the universe for each consecutive UF's frame/s! Another key new discovery made by the New "G-d's Physics" (CUFT) Paradigm is its insistence that this singular higher-ordered UCP *simultaneously computes* all of the exhaustive spatial pixels in the universe for each consecutive UF's frame/s at the incredible rate of " $c^2/h =$

1.36<sup>-50</sup> sec(!); and that "in-between" any two consecutive UF's frames the entire physical universe and all of its constituting exhaustive spatial pixels "dissolve" back into the singularity of this singular higher-ordered UCP!

**b) "G-d's Physics" New "A-Causal Computation" Paradigm**

Based on "G-d's Physics" New Paradigm's discovery that the singular higher-ordered UCP *simultaneously computes* all exhaustive spatial pixels comprising the entire physical universe – for each consecutive UF's frame/s (and that "in-between" any two consecutive UF's frames the whole universe "dissolves" back into the singularity of the UCP), a new "A-Causal Computation" characterization of "G-d's Physics" New Paradigm is acknowledged: essentially, the simultaneity of the UCP's computation of all exhaustive spatial pixels (and their complete "dissolution" "in-between" any two consecutive UF's frame/s back into the UCP) means that there cannot exist any "material-causal" physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames! Rather, the same singular UCP computes simultaneously all exhaustive spatial pixels comprising the entire physical universe – which implies that there cannot exist any Relativistic or Quantum "material-causal" physical relationships, interactions, or effects! This negated many of the Old "Material-Causal" (20<sup>th</sup> Century Physics) Paradigm's basic assumptions underlying both Relativity Theory and Quantum Mechanics, including: the "Big-Bang" Model, Einstein's Equations, discarding of the hypothetical "dark-matter" and "dark-energy" concepts etc.

**c) The "Computational Invariance Principle" & "Universal Consciousness Reality"**

Another key new theoretical postulate of the New "G-d's Physics" Paradigm is the "Computational Invariance Principle" which posits that since only the UCP exists – continuously and consistently both "during" each consecutive UF's frame/s – solely computing (simultaneously) all exhaustive spatial pixels' four basic physical features of "space" and "energy", "mass" and "time", and also singularly exists "in-between" any two consecutive UF's frame/s (without the presence of the physical universe), therefore the "Computational Invariance Principle" theoretical postulate asserts that only this singular UCP may be regarded as "computationally-invariant" existing uniformly and "consistently" – both "during" its computation of each consecutive UF's frame/s and also "in-between" any two consecutive UF's frame/s, whereas the four basic physical features being computed for all exhaustive spatial pixels in the universe may only be regarded as "computationally-variant", e.g., existing only "transiently" and "phenomenally" ("during" each consecutive UF's frame/s but "dissolving" "in-between" any two consecutive UF's frames)! This new (profound) realization of the "Computational Invariance Principle" of "G-d's Physics" New Paradigm is also associated with another new theoretical postulate termed: the "Universal Consciousness Reality" (UCR) which posits that since

the whole physical universe (e.g., and all of its constituting exhaustive spatial pixels) is only regarded as "computationally-variant" – existing only "transiently" "during" each consecutive UF's frame/s but "dissolving" back into the singularity of the UCR, whereas the singular higher-ordered UCP is considered to be "computationally-invariant" (existing continuously and consistently both "during" each consecutive UF's frame/s as computing each exhaustive spatial pixel's four basic physical features of "space" and "energy", "mass" and "time", as well as solely existing "in-between" any two consecutive UF's frames without the presence of any physical universe); therefore there only exists one singular "Universal Consciousness Reality" which exists consistently and continuously – manifesting as the phenomenal physical universe "during" its computation of every exhaustive spatial pixel of each consecutive UF's frame/s and existing without the presence of the physical universe, in-between any two consecutive UF's frames! Indeed, this new "Universal Consciousness Reality" carries with it a profound alteration of our basic perception and understanding of the physical universe – which ceases to exist as an "objective-independent" reality, and it transformed into the new theoretical understanding that (in truth) the entire physical universe only represents a "phenomenal, transient manifestation" of this singular UCR!

**d) The "Universal Computational Formula"**

Based on "G-d's Physics" (CUFT) New Paradigm's discovery of the Universal Computational/Consciousness Principle (UCP) and its simultaneous computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s it also revealed the existence of an integrated simultaneous computation of all the four basic physical features of "space" and "energy", "mass" and "time" as computed based on two out of the three basic "Computational Dimensions" of the UCP (delineated further below and previously):

**Universal Computational Formula (UCF):**

$$\left. \begin{matrix} \text{,} \\ c^2 \\ - \\ h \end{matrix} \right\} = \frac{s * e}{t * m}$$

UF's {ן...נ...ך}

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" (",") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "ך through "ן" to "ן") depending on the Moral Choice of each Individual Human Consciousness – as computing and

integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of:  $c^2/h = 1.36^{50} \text{ sec}^{-1}$ .

**e) The "Dynamic Equilibrium" Moral Principle & UCP's "Multi Spatial-Temporal Reservoir"**

Another key theoretical postulate of this New "G-d's Physics" Paradigm is the discovery of the UCP's associated "Dynamic-Equilibrium" Moral Principle and its associated "Multi Spatial-Temporal Reservoir" bank of all "past", "present" and multiple possible "future/s" UF's frames based on the "Moral/Immoral Choices" of each Individual Human Being towards another human being; Essentially, due to the "inseparability" of all Individual Human Consciousness (human beings) from this singular higher-ordered "Universal Consciousness Principle" (UCP) the New "G-d's Physics" Paradigm asserts that there is a basic fundamental "Dynamic-Equilibrium" Moral Principle characterizing the operation of this UCP – such that any "immoral-imbalance" created by any "immoral choice" made by any Individual Human Consciousness towards another Individual Human Consciousness is "corrected" and "balanced" by the UCR in a manner in which that Individual Human Consciousness which chose to "inflict pain/suffering" upon another Individual Human Consciousness – the UCP is selecting one of multiple "possible future/s" UF's frame/s in which it will also have to experience the same (nature and degree) of pain/suffering that it inflicted upon the other Individual Human Consciousness in order that it learns and realizes the basic "unity" and "inseparability" of all Individual Human Consciousness from the singular higher-ordered UCP and honors and respects all other such Individual Human Consciousness (just as pointed out by the Alter-Rebbi, Rabbi Schneur-Zalman in his famous Tanya Book, chapter 32)! Additionally, according to this new "Dynamic-Equilibrium" Moral Principle, since the whole "purpose" of the UCP's associated "Dynamic-Equilibrium" Moral Principle is to "teach", "correct" or "balance" any "immoral-choice/s" of any Individual Human Consciousness so that that Individual Human Consciousness acknowledges and "realizes" its "unity" with the UCP and inseparability from all other Individual Human Consciousness – so that it could not and would not consider or execute any "immoral-choice/s" toward any other Individual Human Consciousness, therefore there is another possibility carved out by the singular higher-ordered UCP of "teshuvah" – e.g., repentance, a sincere regret relating to the "immoral choice" and a conscious decision not to repeat it in the future – which "circumvents" and replaces the need of that Individual Human Consciousness to experience itself the abovementioned "negative future" that is equivalent to its own "wrongdoing"... Finally, this "Dynamic-Equilibrium" Moral Principle may be seen as part of the overall "Goal" of the UCP's constant and continuous origination- sustenance- "dissolution" and evolution- of the entire physical universe – which is to bring the World towards its "Perfected- Geula" State of Moral, Spiritual

and even Physical Perfection, in which the oneness and integrity of all creation as part of the singularity of the UCP will be realized and acknowledged by Humanity, see next "Reversed-Time Goal Hypothesis" theoretical postulate;

**f) The UCR's "Expansive Consciousness Spectrum Hypothesis" & "Reversed-Time Goal Hypothesis"**

Another two profound and key theoretical postulates of the New "G-d's Physics" Paradigm are: the UCR's – "Expansive Consciousness Spectrum Hypothesis" & "Reversed-Time Goal Hypothesis"; the "UCR's Expansive Consciousness Spectrum Hypothesis" stipulates that as part of the UCP/UCR's ultimate Goal of driving the world (and entire universe) towards a "Perfect State" – called "Geula" in Jewish Tradition in which the oneness and unity of all creation as integral parts of the singular higher-ordered UCP/UCR will be recognized by Humanity; the UCR computes- ", "dissolves", "re-computes"- and evolves- the forms manifested by this singular UCP/UCR from "inanimate" matter (e.g., subatomic particles and the entire macroscopic universe) through "animate" forms of plants, then animals then human-beings – which represents the most "expansive" form of Consciousness; and ultimately leads this much "refined" and more "Expansive" form of Human Consciousness towards its ultimate "expanded" manifestations of this singular Universal Consciousness Reality which are expressed in the "expanded form of Individual Human Consciousness" (previously delineated) in which Individual Human Consciousness "expands" to a state in which it is "not separate" and functions in "unity" with the Universal Consciousness Reality (e.g., sometimes related to as states of "Prophecy" such as with Moses!); Another manifestation of this expansion of Individual Human Consciousness occurs also in "special times" and states of "Collective Human Consciousness Focus (Hypothesis)" (also delineated below and previously) – such as during the Jewish "Rosh-Hashana" (New Year) time-interval in which Millions of Jews (all over the world) collectively focus on- and pray to- this singular higher-ordered "Universal Consciousness Reality", i.e., "G-d"! As published and delineated previously, this New "G-d's Physics" profound expansive new perspective on the development and evolution of the entire cosmos – including its "inanimate" manifestations of all material compositions, e.g., including the relativistic accelerated expansion of the physical universe as well as all subatomic (quantum) particles, forces and phenomena, all "animate" forms of "plants", "animals" and "human-beings" brings about an entirely new and integrated view on the origination- and evolution- of the physical universe and all biological forms – not as "caused" by any "random" Big-Bang nuclear explosion but as driven and computed by the singular higher-ordered UCR whose sole Goal is to bring the entire physical universe and our own world towards the State of "Geula" Perfection (Morally, Spiritually and Physically); Indeed, the additional "Reversed-Time Goal Hypothesis"

theoretical postulate posits that the entire origination of the entire physical universe continuous and constant computation by the UCP (simultaneously) of all exhaustive spatial pixels in the universe for every consecutive UF's frame/s from its onset- in the "first" UF frame and until this date and onwards until the UCP/UCR brings the universe into its ultimate "Goal" of a Perfected: Morally, Spiritually and Physically State; This "Reversed-Time Goal Hypothesis" simply posits that the entire origination- sustenance and evolution of the entire physical universe – is driven by its drive to bring the world towards its ultimate Perfected "Geula" State of Moral, Spiritual and even Physical Perfection (e.g., in which there will not be any longer "death"!); a State in which all Human Being will recognize and realize the oneness of all creation with this singular higher-ordered Universal Consciousness Reality (UCR), and therefore there could not exist any longer any such "negative" phenomena of "violence", "aggression", "crimes" or "immoral behavior", and on the contrary Humanity's (and Science's) ultimate recognition of the singular higher-ordered UCR as the sole reality that drives and sustains the entire universe will lead to an attitude of "reverence", "gratitude" and "studying" of this "All-Goodness", "Divine" "Universal Consciousness Reality" ("G-d"!); as anticipated by the great Jewish Sage and Teacher, Maimonides (in his monumental "Mishna-Torah" masterpiece)...

**2. "G-d's Physics" Complete Unification of Space, Energy, Mass & Time!**

One of the breakthrough discoveries of "G-d's Physics" New Paradigm is its "Universal Computational Formula" which completely unifies between the four basic physical features of "space" and "energy", "mass" and "time" – as integral, secondary computational by-products of the singular higher-ordered UCP simultaneous computation of all exhaustive spatial pixels in the universe! Indeed, it is important to note that whereas (General) Relativity Theory integrates between "space" and "time" (as a unitary four dimensional "Space-Time" continuum) and between "energy" and "mass" (e.g., through its famous "Energy-Mass Equivalence" : "E = Mc<sup>2</sup>"), as well relates the "curvature of Space-Time" by "massive objects" and conversely describes the "travelling-pathways" of those "massive" and "less-massive" objects based on this assumed curvature of "Space-Time"; still there lacks a complete unification between those four basic physical features comprising the physical universe! Likewise, in Quantum Mechanics, there exist fine interrelationships found between Heisenberg's "Uncertainty Principle's" "complimentary pairs" of "space and energy" or of "mass and time" – e.g., wherein increasing the measurement accuracy of any one of these pairs elements (for instance increasing the measurement accuracy level of the "spatial localization" of any given subatomic target element proportionally decreases that target's "energy level" measurement accuracy); But, in both Relativistic and Quantum Mechanical Models those four basic physical features of "space", "energy", "mass" and "time" remain

conceptually "separate" from each other. In contrast, G-d's Physics New Paradigm completely integrates these apparently "separate" physical features based on the singularity of the UCP's simultaneous computation of them as integral elements within the Universal Computational/Consciousness Principle's computation of the degree of "Consistency" (consistent/inconsistent) of each exhaustive spatial pixel in the universe – pertaining to its "Framework" (e.g., relative to the entire "frame" or just to an "object's" internal constitution): Indeed, the newly discovered "Universal Computational Formula" completely integrates these four basic physical features of the physical universe – as the UCP's incredibly rapid ("c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec!) computation of each exhaustive spatial pixels' degree of "Frame" – "consistent" ("space") or "inconsistent" ("energy") level!

**Universal Computational Formula (UCF)**

$$\left. \begin{matrix} \text{c}^2 \\ - \\ \text{h} \end{matrix} \right\} \text{UF's } \{\eta \dots \eta \dots \chi\} = \frac{s * e}{t * m}$$

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "ס through "ז " to "ן") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec'!

What's critical to note (at this point) is that these four basic physical features of the physical universe cease to exist as "separate" or "independent" material entities – from the UCP's singular higher-ordered (completely integrated) computation of the degree of consistency or inconsistency pertaining to each exhaustive spatial pixel's "frame" or "object" values (e.g., across a series of consecutive UF's frames)! Thus, for instance, G-d's Physics New Paradigm teaches us that the famous Relativistic "Energy-Mass Equivalence" arises not from the transformation of certain mass related physical properties (such as particular "radioactive" features of certain elements) into proportional energy emission levels – but rather from the UCP's singular (simultaneous) computation of any given object's "frame-inconsistent" values which also necessarily corresponds to that object's UCP computed "object-consistent" ("mass") values! In other words, the real "reason" for

the existence of Relativity's discovered "Energy-Mass Equivalence" arises from the UCP's integral simultaneous computation of any given object's "mass" properties, e.g., its "object-consistent" value and that object's "frame-inconsistent" values; since the greater that object's "displacement-value" (energy computed level) across a given series of UF's frames, necessarily the greater also is its "object-consistent" "mass" computed value (due to the UCP intrinsic computational constraint set upon the maximal degree of "displacement" possible for any object across a series of consecutive UF's frames, as described previously!); Similarly, Relativity's curvature of "Space-Time" by "massive objects" is not "caused" by any direct physical interaction between such "massive objects" and the fabric of "Space-Time" – since as explained above (and previously) there cannot exist any such direct (or even indirect) physical interactions between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames! Instead, according to the UCP's novel Universal Computational Formula complete integration of those four basic physical features of "space" and "energy", "mass" and "time" the apparent "curvature" of "Space-Time" arises from the UCP's "differential" computation of regions in which there are "massive objects" which therefore appear in most (if not all) consecutive UF's frames – as opposed to "less massive" objects that appear in only some of those consecutive UF's frames, therefore leading to those "less massive" objects not occupying the adjacent regions to those "massive objects", i.e., "consistently" across a series of subsequent UF's frames! As explained and delineated previously this leads to what appears as the "curvature of Space-Time" around "massive objects"?!

In fact, the discovery of this new "Universal Computational Formula" fully integrates between those four basic physical features in such a manner that it is no longer possible to differentiate them from the singular integrated and complimentary simultaneous computation of the UCP – of every exhaustive spatial pixels in the universe for each consecutive UF's frame! This is because even the very computational definitions of each of these four basic physical secondary computational by-products (e.g., features) of this singular higher-ordered UCP reveals to us that they merely represent complimentary (integrated) facets of the UCP's singular higher-ordered computation of the degree of "consistency" or "inconsistency" – in any given "object" (e.g., "mass" or "time") or relative to the entire "frame" (i.e., "space" or "energy"), see bellow computational definitions of each of these four basic physical features computed simultaneously by the UCP for each exhaustive spatial pixel comprising any single (or multiple) consecutive UF's frame/s!

We thus reach the inevitable conclusion that "G-d's Physics" New Paradigm's discovery of the "Universal Computational Formula's" complete integration of the four basic physical features of "space" and "energy",

"mass" and "time" as secondary (integrated) computational by-products of the UCP's singular higher-ordered computation of any exhaustive spatial pixel's "frame" – "consistent" ("space") or "inconsistent" ("energy"), or "object" – "consistent" ("mass") or "inconsistent" ("time") values offers an entirely new broader (exciting) theoretical framework pertaining to our basic understanding of the physical universe than the Old "Material-Causal" Paradigm of Relativity Theory (RT) and Quantum Mechanics (QM); As a matter of fact, these two RT & QM "pillars" of the Old Material-Causal Paradigm have been shown to comprise "special-cases" within this newly discovered "G-d's Physics" "Universal Computational Formula" (UCF):

As can be glanced from the two respective Relativistic and Quantum Formats of this novel UCF, certain key elements within RT such as its "Energy-Mass Equivalence" ( $E = Mc^2$ ) and Quantum's "Uncertainty Principle's" "complimentary pairs" appear as particular elements within the UCF's more generalized and comprehensive formula! Indeed, this new UCF completely integrates – not only those four basic physical features of space, energy, mass and time as secondary integrative computational by-products of the UCP's singular (simultaneous) computation of all exhaustive spatial pixels in the universe; but also completely integrates and unifies between RT & QM as integral "special-cases" within the UCP's exhaustive description of the UCP's simultaneous computation of all exhaustive spatial pixels in the universe at the incredible rate of " $c^2/h$ " =  $1.36^{50}$  sec! It was thus shown in what manner does the UCP's UCF's computation integrates between its "relativistic" computation of "single spatial-temporal particle" features together with QM's computation of "multi spatial-temporal wave" characteristics – as embedded within "G-d's Physics" exhaustive UCP's (simultaneous) computation of all exhaustive spatial pixels in the universe embedded within each consecutive UF's frame/s (at the unfathomable rapid rate of " $c^2/h$ " =  $1.36^{50}$  sec! mentioned above)! In fact, some of the potentially far reaching theoretical ramifications of this new "G-d's Physics" Paradigm are its alternative theoretical explanations of General Relativity's assumed "curvature of Space-Time by massive objects" – and its associated newly discovered unique capacity to completely unify between the four fundamental forces in Nature!

As hinted above (and delineated previously), according to the New "G-d's Physics" Paradigm, the curvature of "Space-Time" cannot be "caused" by the presence of certain "massive objects"! This is simply because since all exhaustive spatial pixels comprising the entire physical universe are being computed simultaneously by this singular higher-ordered UCP (for each consecutive UF's frame/s) there cannot exist any such "Material-Causal" physical relationships between any two (or more) exhaustive spatial pixels existing in the same UF frame – including obviously between any "massive

object/s" and the fabric of "Space-Time"! And since according to the New "G-d's Physics" Paradigm the whole entire physical universe "dissolves" "in-between" any two consecutive UF's frames there cannot also be in "transference" of any "physical effect" (or any "material entity") across any two consecutive UF's frame/s! Instead, according to the New "G-d's Physics" Paradigm, the apparent "curvature" of "Space-Time" is only produced through the UCP's Universal Computational Formula's production of a series of consecutive UF's frames – based on the more "consistent" presentations of relatively more "massive" objects than "less-massive" objects across a given series of UF's frames, which therefore gives the "impression" or "appearance" of relatively more "stable" ("consistent") regions in the series of UF's frames – as opposed to the relatively "less massive" objects which do not occupy such "stable" ("consistent") points allocated across the series of UF's frames, thereby giving rise to the appearance of an apparent "curvature of Space-Time around massive objects"...

More fundamentally (and generally), the "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" Paradigm brings about a basic change in Physics' most basic assumptions: instead of the Old "Material-Causal" basic assumption wherein it is assumed that any material-physical (relativistic or quantum) phenomenon can be explained merely in terms of certain direct (or indirect) "material-causal" physical interactions – the New "G-d's Physics" Paradigm teaches us to abandon this "material-causal" assumption in favor of the singular higher-ordered UCP simultaneous computation of every exhaustive spatial pixel in the universe comprising the extremely rapid series of UF's frames! This basic "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm towards the New "G-d's Physics" Paradigm's discovery of the singular higher-ordered UCP's simultaneous computation of every exhaustive spatial pixels comprising the entire physical universe (for each consecutive UF's frame/s) was indeed already shown to revise some of our most basic ("material-causal" assumptions) of 20<sup>th</sup> Century Theoretical Physics: Hence, "G-d's Physics" New Paradigm was shown to negate the "Big-Bang" Model, Einstein's Equations' "material-causal" assumption regarding the "curvature of Space-Time as caused by the presence of massive objects", Quantum Mechanics' "material-causal" assumption regarding the subatomic particle's "collapse of the probability wave-function" as "caused" by its direct physical interaction with a corresponding subatomic probe element; discarded the very existence of "dark-matter" and "dark-energy" purely hypothetical concepts – as "superfluous" (i.e., non-existent) due to the empirical inability to detect it coupled with it's basic "material-causal" assumption assuming that it is the direct physical interaction between these purely hypothetical "dark-matter" and "dark-energy" concepts that "causes" the accelerated expansion of particular galaxies and the universe (more generally)!

Indeed, the basic theoretical breakthrough discovered by "G-d's Physics" New Paradigm is that none of these Relativistic or Quantum Mechanical phenomenon can be explained based on such a "G-d's Physics" newly discovered singular higher-ordered UCP's simultaneous computation of every exhaustive spatial pixel comprising the entire physical universe (at each consecutive UF's frame/s at the incredible rate of " $c^2/h = 1.36^{50}$  sec"!).

The universe was not created by an initial "Big-Bang" nuclear event because that would imply that at those "first", "second", "third", etc. UF's frames there existed a direct physical interaction between certain exhaustive spatial pixels comprising those "i...n" frames which "expanded" the evolving universe and created further "suns", galaxies, matter and energy etc. which is negated by "G-d's Physics" discovery of the simultaneous computation of each of the universe's exhaustive spatial pixels for each consecutive UF's frame/s and its complete "dissolution" back into the singularity of the UCP "in between" any two consecutive UF's frames! Likewise, the New "G-d's Physics" Paradigm negates the very possibility of the "collapse" of the target's assumed "probability wave function as "caused" by its direct physical interaction with another corresponding subatomic "probe" particle once again because there cannot exist any such direct physical interaction between any two exhaustive spatial pixels existing in any single (or multiple) UF's frames. For the same reason, "G-d's Physics" New 21<sup>st</sup> Century Paradigm negates General Relativity's Einstein's Equations' assumed "curvature of Space-Time" as "caused" by the presence of certain "massive objects" (or the converse "material-causal" assumption encapsulated in those Einstein's Equations indicating that it is this "curvature of Space-Time by massive objects" which "causes" or determines the travelling-pathways of those and other less massive objects) – due to the UCP's *simultaneous* computation of every exhaustive spatial pixel comprising the entire physical universe for each consecutive UF's frame/s and the complete "dissolution" of the physical universe "in-between" any two such consecutive UF's frames which negates the possibility of any such "material-causal" physical interactions!.

### 3. Unifying the Four Basic Forces of Nature: Discovery of "G-d's Physics" New Universal Computational Formula!

Instead, the manner in which the New "G-d's Physics" Paradigm offers an alternative theoretical explanation for all of those Relativistic or Quantum phenomena is solely based on the newly discovered "Universal Computational Formula" (UCF, above mentioned) which simultaneously computes the four basic physical features of "space" and "energy", "mass" and "time" of each exhaustive spatial pixel/c comprising the entire physical universe (of each consecutive UF's frame/s) – as secondary computational by-products of the UCP's singular computation! This also means that the four basic forces of Nature – i.e., the Weak and Strong Forces, and the Electromagnetic Force

and the Gravitational Force are all solely derived and produced by this singular higher-ordered UCP's UCF description of the UCP's simultaneous computation of each of the universe's exhaustive spatial pixels four basic physical features of "space" and "energy", "mass" and "time" – as "frame's" or "object's" – "consistent" or "inconsistent" computations! This is where we have to closely analyze and realize "G-d's Physics" UCP's new computational definitions of each of these Four Forces – which solely relies upon the singular higher-ordered UCP's computation of the various forms of "energy", i.e., including any of these three "Weak", "Strong" and "Electromagnetic" Forces, and of "mass" – e.g., which gives rise to what appears as the "Gravitational" Force, as manifesting through the UCP's (abovementioned) "Universal Computational Formula"! As noted above (and previously), the UCP's computation of *any type of "energy"* is computed by this singular higher-ordered UCP as the degree of "displacement" of any (relativistic or quantum) object relative the coordinates of the entire Universal Frame/s across a series of UF's frames; this means that the "root" for all three "Strong, Weak and Electromagnetic Forces is the UCP's computation of their degree of "displacement" across a given series of UF's frames! Moreover, based on the complete integration of those four basic physical features comprising any exhaustive spatial pixel in the universe through the UCP's Universal Computational Formula (UCF), therefore the entire array of subatomic particles described by the Standard Model – amongst which those Three Nuclear Forces operate are exhaustively described by the UCP's UCF! Indeed, the multifarious different levels of electromagnetic charge, mass, energy values etc. of each of these particular Standard Model particles and components manifests as one of the specific configuration and relationships described by the UCP's newly discovered UCF! In other words, the Three Strong, Weak, Electromagnetic Forces describe different levels and configurations of the UCP's singular higher-ordered UCP's computation of the degree of any given particle (object) displacement across a given series of UF's frames! In that sense, there is no real "difference" between the UCP's computation of the degree of "displacement" of the Strong, Weak or Electromagnetic Forces operating within the nucleus or between the nucleus and its surrounding particles or between particles and other elements; In fact, the whole theoretical conceptualization of the very computational definitions of each of these multifarious Standard Model particles – including their mass, energy, localization and temporal values is viewed (for the first time) as one singular fully integrated computation by the UCP, rather than existing as "separate" and "independent" particles operating by different (Three) Strong, Weak or Electromagnetic Forces... No longer are the various Standard Model particles viewed as "independent" entities, nor do the Three Forces operating between them or uniting them seem as "separate" or "independent"; rather, the New "G-d's Physics" Paradigm's discovery of the singular higher ordered Universal Computational Formula completely

unifies all of these apparently different subatomic particles and the Three Forces governing them as manifestations of different possible relationships described by this singular higher-ordered UCP UCF!

Indeed, it is suggested that just as the discovery of the "Periodic Table" provided a "blue-print" for the basic constitution of all possible chemical elements in Nature, just as Watson, & Crick discovery of the basic constituent elements of the DNA gave Science its basic understanding of the basic "building-blocks" of all Genetic-Biological organisms (and functions); so does "G-d's Physics" 21<sup>st</sup> Century Physics Paradigm's discovery of the new "Universal Computational Formula" (UCF) provides Theoretical Physics (and Science more generally) the basic understanding of all of Nature's basic (possible) plethora of subatomic particles and Four basic Forces, i.e., the Strong & Weak Forces, the Electromagnetic Force and the Gravitational Force! It is suggested that by using this newly discovered UCF we can find and identify all of the known "Standard Model" particles – and potentially additional yet undiscovered basic subatomic particles, e.g., based upon the precise interrelationships between any given particle's mass energy spatial and temporal values! This new UCF also integrates and unifies between the Three (Strong, Weak and Electromagnetic) Nuclear Forces (of the Standard Model and Quantum Mechanics) and the Gravitational Force (of General Relativity Theory) – simply because the Gravitational Force, alike these other Three Forces is computed by the singular higher-ordered UCF! As noted above, "G-d's Physics" New Paradigm offers a completely new and different theoretical account for General Relativity's "Gravitational Force", as well as for the Three Nuclear Forces, e.g., as stemming from the UCP's UCF computation of the four integrated and complimentary physical features of "space", "energy", "mass" and "time" – not as being "caused" by certain "massive objects" "curving "Space-Time", but rather as being produced by the UCP's simultaneous computation of all exhaustive spatial pixels comprising the entire physical universe; Specifically, what "appears" as General Relativity's "Gravitational Force" is the result of the UCP's computation of certain "regions" of each consecutive UF's frame/s to be comprised of "high-mass" regions which are therefore computed as "spatially-consistent" regions which remain relatively "constant" across a given series of UF's frames, as opposed to other regions constituting these series of UF's frames which may be defined as constituting "low-mass" regions which therefore do not appear "spatially-consistent" across a series of UF's frames! This according to "G-d's Physics" New Paradigm creates an appearance of the "curvature" of "Space-Time" around certain "massive objects"?! In much the same manner, "G-d's Physics" New Paradigm also offers an alternative new theoretical account for these "Three Forces" – not as being "caused" by any direct (or indirect) physical interactions between any of the "Standard Model" list of existing particles, but rather as being produced by the UCP's simultaneous

computation of all exhaustive spatial pixels in the universe (for each consecutive UF's frame/s), thereby producing these "apparent" subatomic particle's associated "Three Forces"!?

It is perhaps important to highlight the unique new (expansive, higher-ordered) perspective offered by "G-d's Physics" New 21<sup>st</sup> Century Paradigm – shedding a complete new light upon the complete unification of the Four basic Forces based on the operation of the singular, higher-ordered UCP; First, as we've already seen, due to the *simultaneity* of the UCP's computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s and the discovery of "G-d's Physics" New "A-Causal Computation" Paradigm – then this principally negates the very possibility of the existence of any direct (or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different-UF's frames! This implies that there cannot exist any "material-causal" physical interaction/s between any of the subatomic elementary particles that are currently assumed to "transfer" the effects of Three (out of four) Forces – the Weak, Strong and Electromagnetic! As noted previously, this principle negation of the existence of any direct (or indirect) "material-causal" physical interaction/s between any two or more particle/s (or exhaustive spatial pixels) is most apparent when we take into consideration the complete "dissolution" of the entire physical universe (e.g., and all of its exhaustive spatial pixels and subatomic particles) "in-between" any two consecutive UF's frame/s – which negates the very possibility of the existence of any such physical interactions or effects transferred across any two consecutive or non-consecutive UF's frames! Hence, the basic "material-causal" assumption underlying Relativity's explanation of the curvature of Space-Time as "caused" by its direct physical interaction with certain "massive objects" (as evinced in Einstein's Equations), as well as underlying the current "material-causal" Quantum, Standard Model explanation of the other (three) Forces – Strong, Weak and Electromagnetic as being "carried by" certain elementary particles being transferred between particles is strictly negated by the New "G-d's Physics A-Causal Computation" Paradigm! Instead, based on "G-d's Physics" New Paradigm's discovery (and description) of the manner in which the singular higher-ordered UCP simultaneously computes all exhaustive spatial pixels comprising the entire physical universe (for each consecutive UF's frame/s) – e.g., through the UCP's "Universal Computational Formula" (and based on the UCP's new computational definitions of the four basic physical features of "space" and "energy", "mass" and "time" associated with two of its Computational Dimensions) offers an entirely new (and fascinating) way of viewing each of these Four Forces as arising from simultaneous and integrated computation of this singular higher-ordered UCP!

In other words, the manner in which "G-d's Physics" New Paradigm unifies between the "Three Forces" and the "Gravitational Force" is based on its discovery of the singular higher-ordered UCP's simultaneous computation of all of the physical universe's exhaustive spatial pixels based on its unitary "Universal Computational Formula" (UCP) which completely unified between the four basic physical features of "space" and "energy", "mass" and "time"; According to this New "G-d's Physics" Paradigm theoretical framework, both the "Gravitational Force" and the "Three (other) Forces" represent "*apparent, phenomenal and transient Forces*" which are computed together by the UCP's UCF for each of the universe's consecutive UF's frames based on the UCP's Universal Computational Formula!

#### 4. G-d's Physics New "Expansive-Unifying" Science:

We must realize (at this point) that the New "G-d's Physics" Paradigm not only is capable of unifying between Relativity Theory (RT) and Quantum Mechanics (QM) and also explain all of the unexplained physical phenomenon which could not be explained by the Old "Material-Causal" Paradigm underlying both of these RT & QM Models – including offering an alternative theoretical explanation for "dark-matter" and "dark-energy" assuming to comprise up to 95% of all of the mass and energy in the universe (which could not be detected empirically to date despite numerous attempts to do so...) Perhaps even more significantly, it offers a completely new "Expansive-Unifying" Scientific Theoretical Model of the universe! This is because in contrast to the Old "Material-Causal" Paradigm of 20<sup>th</sup> Century Physics underlying both RT & QM – which explained any physical phenomenon in the universe as being "caused" by a more basic "reductionistic" direct physical interaction between a given set of relativistic or quantum elements, the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics forces us to expand and unify any such relativistic or quantum phenomenon based on the operation of the singular higher-ordered UCP! Once we realize based on two of the profound new theoretical postulates of this New "G-d's Physics" Paradigm called: the "Computational Invariance Principle" and its associated "Universal Consciousness Reality" – that the entire physical universe only exists as a "transient", "phenomenal" "appearance" of the real underlying "Universal Consciousness Reality" (UCR) <sup>2</sup>pixels in the universe (for each consecutive UF's frame/s), as well as exists "alone" without the presence of any physical universe "in-between" any two consecutive UF's Frames; our whole basic understanding and conceptualization of the origin- nature- sustenance- and evolution- of the entire physical universe alters in a very fundamental manner: We realize that all exhaustive spatial pixels comprising the entire physical universe – including all subatomic "particles", as well as all Quantum or Relativistic phenomena and laws, including those Four basic Forces of Nature "dissolve" and "cease to exist" "in-between" any two consecutive UF's frames!

We realize that all such exhaustive spatial pixels of the universe and all of their associated manifestations of subatomic "particles", and all of the associated basic physical features of "space", "energy", "mass" and "time" – including the Four Forces of Nature exist only as "phenomenal", "transient" "manifestations" of the singular higher-ordered Universal Consciousness Principle (UCP) which alone exists both during its extremely rapid (e.g., " $c^2.h$ " =  $1.36^{-50}$  sec') computation of each consecutive UF's frame/s, as well as solely exists "in-between" any two such consecutive UF's frames in which the entire physical universe "dissolves" back into the singularity of this UCP!

Indeed, those two (far reaching) theoretical postulates of the "Computational Invariance Principle" and its associated "Universal Consciousness Reality" assert that since only this UCP exists constantly (and uniformly) both "during" its extremely rapid production of the series of UF's frames – e.g., computing simultaneously all exhaustive spatial pixels' four basic physical features (of "space" and "energy", "mass" and "time") and solely exists "in-between" any two consecutive UF's frames, whereas all exhaustive spatial pixels comprising the entire physical universe (i.e., including all of their four basic physical features of "space", "energy", "mass" and "time" and all of their associated subatomic "particles", "wave", etc. and also the Four basic Forces) exist only "during" each consecutive UF's frame/s but "dissolve" back into the singularity of this singular higher-ordered UCP; therefore, only this singular UCP may be regarded as "real" ("computationally-invariant"), whereas all exhaustive spatial pixels comprising the entire physical universe (and their four basic associated physical features) may only be regarded as "transient", "phenomenal" "manifestations" of this singular higher-ordered unitary Universal Consciousness Reality, which exists constantly and continuously both during its manifestation as the physical universe's exhaustive spatial pixels as well as existing solely and singularly "in-between" any two consecutive UF's frames! Therefore, the new discovery of the "G-d's Physics" New Paradigm is that the entire physical universe – including its four basic Forces and all of its comprising Quantum and Relativistic phenomena and laws exist only as manifestations of this singular higher-ordered UCR! Hence, "G-d's Physics" New Paradigm's complete unification- not only of RT and QM, of the four basic physical features of "space" and "energy", "mass" and "time" (as indicated in one of the Special Issue's previous articles), but also of the Four basic Forces (Strong, Weak, Electromagnetic and Gravitational) all ensue from its discovery of the ("wondrous") "Universal Computational Formula" (UCF) describing the unfathomable rapid integrated and simultaneous computation of this singular higher-ordered UCP (or UCR) all exhaustive spatial pixels comprising the entire physical universe for each consecutive UF's frame/s!

Not less significant is the amazing theoretical implication of this New "G-d's Physics" discovery of the Universal Computational Formula – is the realization that since there cannot exist any "material-causal" direct physical interactions between any two exhaustive spatial pixels existing either in the same- or different- UF's frame/s, therefore the very existence of these apparent Four basic Forces of Nature merely represent specific UCP computations associated with the Universal Computational Formula, e.g., rather than exist as an "objective-material" reality (since, as noted above, it completely "dissolves" in-between any two consecutive UF's frames!); and as a matter of fact its existence may only be accounted for through the UCR's own intrinsic propensities which include "Ten-Hierarchical Laws of Manifestations" – of which the UCP's UCF represents the "lowest Dimension"! Indeed, the real significance of this New "G-d's Physics" Paradigm is its discovery of this singular higher-ordered UCP's intrinsic propensities which include:

**a) The UCP's "Multi Spatial-Temporal Reservoir" & Associated "Dynamic-Equilibrium Moral Principle" :** According to this New "G-d's Physics" Paradigm the UCP is also associated with a "Multi Spatial-Temporal Reservoir" which contains all "past", "present" and multiple possible "future/s" for each Individual Human Consciousness (human-being) based on his/her "moral-choice/s" at any given moment – based upon which the UCP selects one of multiple possible "future/s"! This is due to the fact that from the singular higher-ordered computational perspective of the UCP all Individual Human Consciousness comprise integral parts of this UCP, and therefore any "immoral-choice" by one (given) Individual Human Consciousness directed towards another Individual Human Consciousness automatically instigates a proportional "reaction" computed by this singular UCP aimed at "balancing" and "correcting" any such "moral imbalance" caused by one Individual Human Consciousness inflicting "pain/suffering" upon another Individual Human Consciousness. (A "Trampoline Metaphor" was given wherein a "metal-bar" placed upon this Trampoline's "elastic sheath" connecting two points along this sheath – wherein one point "chose" to "inflict-pain" upon the other point and "pushes" this metal-bar against the "other point" (e.g., another Individual Human Consciousness), then this would inevitably "cause" a reaction of the metal-bar to "press back" and inflict a proportional "pain/suffering" upon the first point which chose to inflict "pain/suffering" on the second point!) Hence, according to "G-d's Physics" New Paradigm, the UCP contains the "Dynamic-Equilibrium" Moral Principle's "intrinsic-tendency" to "correct" and "counter-balance" any "immoral-choice" selected by one Individual Human Consciousness against another Individual Human Consciousness – by selecting one of multiple possible UF's contained in the UCP's "Multi Spatial-Temporal Reservoir" for each Individual Human Consciousness based on its "moral choice/s" at any given point in time.

(Noteworthy is the fact that according to this new "Dynamic-Equilibrium" Moral Principle, the UCP's selection of one of multiple possible future/s for each Individual Human Consciousness based on its action/s regarding another given Individual Human Consciousness also operates for "*positive* moral-actions" according to which carrying out of a "good moral choice" by one Individual Human Consciousness towards another Individual Human Consciousness also brings about the UCP's selection of one "positive" future/s from all possible future/s to remunerate that Individual Human Consciousness which chose to carry out a benevolent "good moral action" towards another Individual Human Consciousness...)

**b) The UCP's "Reversed-Time Goal Hypothesis":**

According to "G-d's Physics" New 21<sup>st</sup> Century Paradigm, the UCP's whole computation of the series of UF's frames comprising the evolution of the entire physical universe – is geared towards bringing about an ultimate state of "Moral, Spiritual & Physical Perfection" from its initial UF's frame/s to its latter UF's frames! Indeed, according to this "UCP's Reversed-Time Goal Hypothesis" the entire evolution of the physical universe – i.e., including its evolution of progressive forms of "inanimate" matter, then "animate": "plants" and "animals" leading up to the appearance of Human Beings is all "directed" and computed by the singular higher-ordered UCP from the ultimate "Goal" of complete "Moral, Spiritual and even Physical Perfection" (termed: "Geula" in Jewish Tradition) – "back" towards all of "past" "present" and multiple possible "future/s" UF's that would lead to this ultimate "Geula" Perfected State! This means that rather than the physical universe being "caused" by a random initial "material-causal" "Big-Bang" nuclear event supposed to have created all of the suns, Galaxies, "matter" and "energy" in the universe – which was negated by the New "G-d's Physics" Paradigm's discovery of the *simultaneous UCP's computation of all exhaustive spatial pixels* in the universe for each consecutive UF's frame/s and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frame/s; and contrary to Darwin's "Natural Selection Principle's" assumed "material-causal" evolution of all Biological forms based on a random "material-causal" direct physical interaction/s between an array of given organisms and their environment which "causes" a particular "genetically mutated" organism to "survive" amidst "challenging environmental conditions", thereby selecting that particular ("fittest") organism to "survive" and pass on its genetic information to its descendants; the New 21<sup>st</sup> century "G-d's Physics" Paradigm asserts that since the UCP simultaneously computes all exhaustive spatial pixels in the universe for every consecutive UF's frame/s (and completely "dissolves" the entire physical universe back to itself "in-between" any two such consecutive UF's frame/s), therefore there cannot exist any such "material-causal" physical interactions between any given organism/s and its direct environment

therefore negating Darwin's "Natural Selection Principle" – instead pointing at the UCP's mentioned "Reversed-Time Goal Hypothesis" describing the whole evolution and computation of the universe based on the UCP's directed ultimate Goal of "Geula" (Perfected Moral, Spiritual and Physical State, previously delineated)! This means that rather than the physical universe evolving "randomly" (and "haphazardly"), in fact the whole evolution, sustenance and even origination of the entire physical universe – is entirely dependent upon the UCP's "driving" the universe towards the manifestation of the "most expansive" form of Human Consciousness (from the "inanimate" material form through animate "plants", "animals" and ultimate Human forms of expansive Consciousness) and ultimately towards the expression and manifestation of the Redemptive "Geula" State in which there will exist a complete Harmony, Peace and Recognition of the singular higher-ordered "Good-Will" (and "Free-Will") UCP which incessantly and continuously creates- dissolves and recreates and evolves every exhaustive spatial pixel in the universe as well as the entirety of the cosmos towards this Perfected "Geula" State!

**c) The UCP's "Collective Human Consciousness Focus Hypothesis at the Jewish "Rosh-Hashana" New Year!:**

Another (surprising) facet of the New "G-d's Physics" Paradigm's discovery of the UCP's sole continuous (simultaneous) computation of all exhaustive spatial pixels in the universe – is its unique "Critical-Prediction", e.g., differentiating it from the corresponding predictions of the Old "Material-Causal" Paradigm predicting that the accelerated expansion of the physical universe is "Non-Continuous" occurring at the Jewish New Year's ("Rosh-Hashana") – due to another (intrinsic) aspects of the UCP which is called: the "Collective Human Consciousness Focus Hypothesis"; As noted above, we reached the inevitable theoretical conclusion that the entire universe may only be regarded as a "transient", "phenomenal" "manifestation" of the singular higher-ordered UCP! Moreover, we realized that there cannot exist any "real" "material-causal" physical interactions between any two (or more) exhaustive spatial pixels existing either in the same- or other- UF's frame/s due to the simultaneity of the UCP's computation of all exhaustive spatial pixels comprising any single (or multiple) UF's frame/s and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frames) So, we also must reach the inevitable theoretical conclusion wherein the origination-sustenance- "dissolution" and evolution of the whole material universe – including its empirically validated accelerated expansion of the entire physical universe – cannot be the result of any such "material-causal" (direct or even indirect) physical interaction/s between any material entities or any two or more exhaustive spatial pixels, but may only be derived from this singular higher-ordered operation and intrinsic characteristics of this singular higher-ordered UCP! Indeed, as part of the

abovementioned (and previously delineated) new "G-d's Physics" Paradigm's discovery of this singular higher-ordered UCP's intrinsic characteristics the UCP's "Non-Continuous Accelerated Expansion of the Universe at the Jewish "Rosh-Hashana" (New Year) uniquely serves as one of a few Critical Prediction/s differentiating it from the corresponding predictions of the Old "Material-Causal" Model's Relativistic and Quantum Predictions! Simply put, this New "G-d's Physics" "Non-Continuous Accelerated Expansion of the Universe at the Jewish "Rosh-Hashana" Critical Prediction posits that since the singular higher-ordered Universal Computational/Consciousness Principle (UCP) can be affected by a "Collective Human Consciousness Focus (Hypothesis)"- wherein the collective focus of Millions of Jews at the Jewish Rosh-Hashana upon this singular higher-ordered Universal Consciousness Principle (or Reality) – i.e., "G-d"(!) brings about this "Non-Continuous Accelerated Expansion" of the universe at this "special time interval"!

Alongside this specific "Critical Prediction", "G-d's Physics" New Paradigm called for an urgent empirical validation of at least one more unique "Critical Prediction" that is associated with this New Paradigm (and differentiates it from the predictions of both RT and QM: This relates to the greater number of times that a relatively "more massive" particle (such as the Muon) is predicted to be measured across a series of (minimal) "Fine-Temporal Measurements" (FTM) within an Subatomic Accelerator, relative to the number of corresponding FTM at which a relatively "less-massive" particle such as an electron)! This is due to "G-d's Physics" New Paradigm's novel computational definition of the "mass" of any given particle (or object) as computed by the UCP as the number of "consistent-object" values across a given number of FTM! This implies that a relatively "more massive" Muon particle should be detected or measured across a greater number of UF's frames relative to the number of times that a "less-massive" electron particle would be measured across the same number of FTM within a given Accelerator! Likewise, it was predicted that since the UCP continuously "creates" (computes), "dissolves" "re-computes" (and evolves) every exhaustive spatial pixel in the universe, e.g., through its creation of a series of consecutive UF's frames, therefore another unique (third) "Critical-Prediction" of "G-d's Physics" New Paradigm is that "in-between" any two consecutive UF's frames it will not be possible to measure the existence of any subatomic "particle" (e.g., since the whole entire physical universe "dissolves" in-between" any two consecutive UF's frames) – but that only "during" each of the UCP's extremely rapid (" $c^2/h$ " =  $1.36^{-50}$  sec') series of UF's frames it may be possible the existence of any given subatomic particle/s!

Indeed, Twenty-first Century Theoretical Physics (and Science, more generally) reaches an entirely new theoretical understanding of the origin- sustenance-

dynamics and evolution- of the entire physical universe based on the discovery and necessary empirical validation of the New "G-d's Physics" (CUFT) Paradigm: The universe was not created by an initial "Big-Bang" nuclear event, nor does it evolve through the direct physical interactions of "massive objects" and their assumed "curvature of Space-Time"; nor is the universe's accelerated expansion "caused" by any (non-existent) "dark-matter" or "dark-energy" – but rather is brought about by the singular higher-ordered UCP's operation which (as we've seen) is also associated with the "Collective Human Consciousness" at the Jewish "Rosh-Hashana" special "time-interval"! This entirely new theoretical understanding of "G-d's Physics" Paradigm views the origin- "dissolution" sustenance- and evolution- of every exhaustive spatial pixel in the universe (as well as of the whole universe) as solely determined by the operation of the singular higher-ordered Universal Computational/Consciousness Principle (or Reality) which computes and sustains the universe at the incredible rate of " $c^2/h$ " =  $1.36^{-50}$  sec'(!), wherein "in-between" any two such consecutive UF's frames the entire physical universe "dissolves" back into the singularity of this UCP! Therefore, the new "G-d's Physics" theoretical understanding is that every exhaustive spatial pixel in the universe (and the entirety of the universe) exists only as a "transient", "phenomenal" "manifestation" of this singular higher-ordered "Universal Consciousness Reality" (UCR) which solely exists both "during" its simultaneous computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s and also singularly exists "in-between" any two consecutive UF's frames (without the presence of any physical universe)! Indeed, since the whole origin- sustenance- evolution- and basic nature of the entire physical universe (including all of its exhaustive spatial pixels) is that it only exists as such a "transient", "phenomenal" "manifestation" of the singularly existing "Universal Consciousness Reality" – therefore, the existence of all of the subatomic particles and their Three (e.g., out of Four) corresponding basic Nuclear Forces (Strong, Weak & Electromagnetic) may also only be regarded as existing "transiently" and "phenomenally", i.e., existing only "during" each consecutive UF's frame's (and being computed and "sustained" by the singular UCP) as a manifestation of the singular UCR! Moreover, since we've already seen in this article that the UCP's sole and singular computation of the entire array of all existing subatomic particles is carried out through the UCP's (newly discovered) "Universal Computational Formula" (UCP) therefore also it was evinced that the UCP's computation of the Four basic Forces are all derived from this singular higher-ordered UCP's computation of the four basic physical features of "space", "time", "energy" and "mass" for all exhaustive spatial pixels comprising the entire physical universe for each consecutive UF's frame/s!

Perhaps most significantly, the discovery of the New 21<sup>st</sup> Century's "G-d's Physics" Paradigm brings about a

fundamental theoretical conceptual "metamorphosis" – wherein no longer Theoretical Physics (and Science, more generally) seeks to explain any Relativistic or Subatomic (Quantum) phenomenon, entity or force – based on any "material-causal" (direct or indirect) physical interactions between any material or physical entities; but rather acknowledges that the Four basic Forces of Nature and all of its existing array of subatomic particles, the entire origin- sustenance, "dissolution" and re-computation and evolution of the entire physical universe may only be explained based on the discovery of the UCP's intrinsic characteristics and features such as its basic "Dynamic-Equilibrium Moral Principle" – which selects one of multiple possible "future/s" for each Individual Human Being based on his/her moral choice/s at any given point in time! And the UCP's "Reversed-Time Goal Hypothesis" wherein the entire origination sustenance and evolution of the physical cosmos is all "directed" and "computed" by this singular higher-ordered Universal Computational/Consciousness Principle's (UCP) ultimate goal of producing a "Perfected World" – Morally, Spiritually and Physically in which the most expansive form of Consciousness existent, e.g., of Human Beings will acknowledge and appreciate the singular existence of this UCP (termed: "Geula"). Twenty-first Century Physics (and Science) has therefore entered an entirely new and (fascinating) era in which it acknowledges the singular, existence and operation of a "Good-Will" and "Free-Will" Universal Consciousness Reality which drives the entire origination- sustenance- and evolution into this ultimate "Geula" Perfected World, e.g., from its inception onwards through its progressively refined and more expansive manifestations of inanimate, animate: plants, animals and Human Beings – up until its ultimate "redemptive "Geula" State World...

**Dedication:** This article is dedicated to the Lubbavitcher Rebbe and to the Alter-Rebbe, Rabi Schneur-Zalman – who's date of passing occurs today (כ"ד טבת) and to Mamonides (whose date of passing occurred a few days ago כ"ג טבת), and to the upliftment of my dear Beloved Diseased Mother's Soul Dr. Tirza Bentwich/Zailer); May this Ne "G-d's Physics" Paradigm of 21<sup>st</sup> Century Physics uplift Humanity towards its ultimate Mission and Goal of creating a "Geula" Perfected World! This article is also dedicated in memory of dear beloved Mrs. Diana Raz, who shed so much light and Goodness in the lives of so many couples but whose own life was stumped at such an early age leaving behind four innocent children, may her Memory Blessed and may her Soul ascend to Paradise (where she belongs)...

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**"G-D'S PHYSICS": FROM ARBITRARY PHYSICAL & BIOLOGICAL "EVOLUTION"  
TOWARDS A UNIVERSAL CONSCIOUSNESS REALITY'S (UCR) DIRECTED  
MORALLY-PERFECTED ("GEULA") UNIVERSE!**

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**ABSTRACT**

Twenty-first century Theoretical Physics is undergoing a major "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm of Relativity Theory (RT) & Quantum Mechanics (QM) to the New "G-d's Physics" Paradigm; This New 'G-d's Physics' (Computational Unified Field Theory, CUFT) Paradigm has been published in over thirty peer-reviewed articles and Books and has been shown capable of resolving the apparent "theoretical inconsistency" between RT & QM; It also discovering the existence of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) that simultaneously computes every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{50}$  sec'(!) giving rise to an incredibly rapid series of "Universal Frames" (UF's) comprising the entire physical universe (which "dissolves" back into the singularity of the UCP 'in-between' any two consecutive UF's frames!) This New 'G-d's Physics' Paradigm is also shown to challenge and negate key RT & QM 'Material-Causal' assumptions such as: the 'Big-Bang; Model, Einstein's Equations and the "collapse" of the probability wave function. This article evinces that the New 'G-d's Physics' Paradigm similarly negates Darwin's Natural Selection Principle (DNSP) dual 'Material-Causal' assumptions due to the simultaneity of the UCP's computation of all exhaustive spatial pixels for each consecutive UF's frame! Instead, the New 'G-d's Physics' Paradigm points at the UCP's singular, higher-ordered characteristics of the "Ten Laws of Hierarchical Manifestation" including: "Free-Will", "Good-Will", the "Dynamic-Equilibrium" Moral Principle and its selection of one of multiple "possible future/s" based on the Moral Choice/s of each Individual Human Consciousness (at any point in time); and the UCP's "Reversed Time Goal Hypothesis" which completely integrates between all Physical, Biological and Moral developments – pointing at the UCP's Ultimate "Geula" (e.g., Physical, Moral & Spiritual "Perfected State") Goal of the universe, towards which this singular "Universal Consciousness Reality" continuously advances the entire physical universe and Humanity!

**1. Introduction: New 'G-d's Physics' Twenty-First Century Physics Paradigm**

Twenty-first Century Theoretical Physics has discovered and accepted a New 'G-d's Physics' Paradigm (e.g., formerly also called" the "Computational Unified Field Theory", CUFT, see numerous peer-reviewed published scientific articles); This New 'G-d's Physics' Paradigm replaces the Old (20<sup>th</sup> Century Physics) 'Material-Causal' Paradigm underlying both Relativity Theory (RT) and Quantum Mechanics (QM); It's been shown capable of resolving the apparent "theoretical inconsistency" that seemed to exist between RT & QM, offer an alternative explanation for key unresolved empirical phenomenon such as the purely hypothetical "dark-matter" and "dark-energy" concepts, e.g., which were supposed to account for up to 95% of all the "mass" and "energy" in the universe – but which nevertheless could not be accounted for (or detected) empirically!? Indeed, 21<sup>st</sup>

century Theoretical Physics stands at an "equivalent juncture" as did pre-Einstein's 1905 & 1915 Theoretical Physics, in a state in which the two primary "pillars" of Physics seem to "contradict" each other: e.g., based on RT's insistence upon a strict "material-causal" constraint imposed upon the transmission of any light signal across 'Space-Time' and determination of "positivistic definite" physical values for any relativistic 'Space-Time', 'energy-mass' phenomenon; as opposed to QM's insistence upon the possibility of "quantum-entanglement", indicating that it is possible for two such "entangled-particles" separated by a distance greater than that which could be "covered" by the Speed of Light being able to apparently "affect" each other's measurements (probabilistic) complimentary values, as well as its only "probabilistic" mathematical values attributed to any 'space-energy' or 'mass-time' complimentary values!? Fortunately, a fundamental "Paradigmatic-Shift" from the Old

'Material-Causal' Paradigm has been signified by the New 'G-d's Physics' Paradigm – which was shown capable of resolving this basic apparent "theoretical inconsistency" between RT & QM; The New 'G-d's Physics' Paradigm is based upon the discovery of a singular higher-ordered Universal Computational/Consciousness Principle (UCP) which simultaneously computes all exhaustive spatial pixels in the physical universe at the incredible rate of " $c^2/h$ " =  $1.36^{50}$  sec(!) giving rise to an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every such minimal "time-point"... Moreover, according to this New 'G-d's Physics' Paradigm, "in-between" any two consecutive UF's frames, the entire physical universe "dissolves" back into the singularity of the UCP, e.g., so that there cannot be any "transference" of any material "entity" or "effect" across any two consecutive UF's frames!

This New 'G-d's Physics' (CUFT) Paradigm was shown to significantly revise our basic understanding of the origin- sustenance- "dissolution"- and evolution- of every exhaustive spatial pixel in the universe (as well as the whole universe), challenge, transform and transcend the Old 'Material-Causal' Paradigm account of the origination and dynamics of the universe: Thus, for instance, the New 'G-d's Physics' challenges Relativity's conception of the "Big-Bang" Model, which assumes that the entire physical universe was created by an initial 'Big-Bang' nuclear explosion – which gave-rise (or "caused") the creation of the various suns, planets, galaxies, energy, matter, etc. This is because if indeed, the singular higher-ordered UCP simultaneously computes all exhaustive spatial pixels in the universe comprising an extremely rapid (" $c^2/h$ " =  $1.36^{50}$  sec) series of UF's frames, then for each such consecutive UF's frame, there cannot exist any direct physical interactions between any two (or more) exhaustive spatial pixels – i.e., including those assumed by the Big-Bang initial nuclear explosion! In other words since the UCP simultaneously computes all exhaustive spatial pixels comprising each consecutive UF's frame/s, then for each of these frames there could not have existed such an initial 'Big-Bang' nuclear explosion direct physical interaction! Moreover, since the entire physical universe "dissolves" 'in-between' any two consecutive UF's frames, there could not have been a "continuous physical effect" emanating from the further "expulsion" or "evolution" of the Big-Bang's initial creation of sun's, galaxies, mass and energy etc.! In much the same manner, this New 'G-d's Physics' Paradigm challenges and negates some of the most fundamental 'Material-Causal' assumptions underlying both RT and QM: such as "Einstein's Equations" basic premise whereby it is the presence of certain "massive objects" which "cause" the "curvature" of "Space-Time", and conversely it is this "curved Space-Time" which "causes" or determines the "travelling-pathways" of these 'massive' (and other 'non-massive') objects! This is because if the singular higher-ordered UCP simultaneously computes all exhaustive

spatial pixels in the universe for each consecutive UF's frame, then there could not be any "cause" and "effect" direct physical interaction/s between any 'massive objects' and 'Space-Time', which could "cause" any such "curvature of Space-Time" or conversely could affect the travelling-pathways of those massive/non-massive objects based on their direct physical interaction/s with "curved Space-Time"! In much the same manner, the New 'G-d's Physics' Paradigm challenged and negated the existence of the "purely hypothetical" concepts of "dark-matter" and "dark-energy" as "superfluous", i.e., non-existent! This is once again, due to the principle impossibility of the existence of any direct physical interactions between such (purely hypothetical) "dark matter"/"energy" entities and their assumed "expulsion" of the universes' galaxies etc.! So, apart from the mere fact that no direct empirical proof for the existence of these purely hypothetical "dark-matter" and "dark-energy" concepts could be found thus far, the New 'G-d's Physics' Paradigm teaches us that these hypothetical concepts could not exist in principle, due to the simultaneity of the UCP's computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s (and the complete "dissolution" of the entire physical universe back into the singularity of the UCP 'in-between' any two consecutive UF's frames)!

In much the same manner, the New 'G-d's Physics' (CUFT) Paradigm indicates that the basic 'Material-Causal' assumption underlying Quantum Mechanics (QM) wherein it is assumed that it is the direct physical interaction between a given subatomic "probe" element and a corresponding subatomic "target's probability wave function" – which "causes" the "collapse" of the target's 'probability wave function' into a singular (complimentary) 'space-energy' or 'time-mass' value – is invalid! This is because, once again, to the extent that this New 'G-d's Physics' Paradigm can be validated empirically (as shown and discussed previously and below), then its basic theoretical postulate wherein the UCP simultaneously computes all exhaustive spatial pixels in the universe for each consecutive UF's frame/s principally negates the existence of any direct physical interactions between any two (or more) exhaustive spatial pixels in the universe at any single or multiple UF's frames – including the possibility of any such direct physical interaction between the subatomic 'probe' and 'target's (probability wave function)! Likewise, the complete "dissolution" of the entire physical universe 'in-between' any two consecutive UF's frames also negates the possibility of any such direct physical interaction's "causing" the "collapse" of the probability wave function" across any two consecutive UF's frames! Therefore, the New 'G-d's Physics' Paradigm forces us to challenge and negate the basic 'Material-Causal' assumptions underlying both RT' Einstein's Equations' and QM's "collapse of the probability wave function" tenets. Instead, we arrive at a completely new understanding of the origin- sustenance- "dissolution" and evolution of the whole physical universe by the UCP

which was shown to completely integrate, embed and indeed transcend the narrow constraints of the Old 'Material-Causal' Paradigm of RT and QM;

Thus, the New 'G-d's Physics' Paradigm was able to integrate the key elements of RT & QM within a singular higher-ordered "Universal Computational Formula" (which also possesses two Relativistic and Quantum Formats emphasizing the embedding of those key corresponding Relativistic and Quantum features, previously published):

**Universal Computational Formula (UCF)**

$$\left. \begin{matrix} c^2 \\ - \\ h \end{matrix} \right\} = \frac{s * e}{t * m}$$

UF's {n...n...n}

**(Note:** herein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through "ח " to "ת") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec(!)

Hence, the New 'G-d's Physics' Paradigm discovered an exhaustive new theoretical framework which indeed completely integrates the basic features of RT & QM within the singular higher-ordered UCP's Universal Computational Formula (as well as completely integrates the four basic features of 'space', 'energy', 'mass' and 'time' as secondary computational properties of the UCP's singular higher-ordered simultaneous computation of all exhaustive spatial pixels in the universe for each minimal time-point "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec(!)

**2. The New G-d's Physics Negation of Darwin's "Natural Selection Principle" (DNSP)!**

According to the New 'G-d's Physics' Paradigm, the entire physical universe is being created- dissolved- re-created- and evolved- many billions of times each second simultaneously by the singular higher-ordered Universal Computational/Consciousness Principle (UCP), as an extremely rapid series of Universal Frames (UF's)! Moreover, according to this New 'G-d's Physics' (CUFT) Paradigm, the entire physical universe completely "dissolves" back into the singularity of the UCP "in-between" any two consecutive UF's frames (including all

of its exhaustive spatial pixels)! This implies that there cannot exist any direct physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames; Furthermore, given the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frames, there cannot exist any "transference" of any "physical effect" or (any) "material entity/ies" across any two consecutive UF's frames! In this manner, the New 'G-d's Physics' Paradigm was shown to challenge and (in fact) negate all of the major assumptions of the Old 'Material-Causal' Paradigm (underlying both RT & QM): It was shown to negate the "Big-Bang" Model, assuming that the universe was created as "caused" by an initial "nuclear explosion", since there could not have been any direct physical interaction between any two (or more) exhaustive spatial pixels either in the "first", "second", "third", etc. UF's frames! Likewise, the New 'G-d's Physics' Paradigm was shown to negate the existence of the purely hypothetical concepts of "dark-matter" or "dark-energy" which are assumed to "cause" the accelerated "expulsion" (or expansion) of the physical universe, once again because there cannot exist any direct physical interactions between any two (or more) exhaustive spatial pixels (e.g., at- or between- any two consecutive UF's frames!) Similarly, it was shown to negate the basic "Material-Causal" assumption underlying RT's Einstein's Equations, e.g., assuming that certain "massive-objects" "cause" a "curvature" of 'Space-Time', and conversely that it is this 'curved Space-Time' which "causes" (or determines) the travelling-pathways of those and other less-massive objects...

So we see that the New 'G-d's Physics' Paradigm totally negates the very possibility of the existence of any direct physical interaction between any two (or more) exhaustive spatial pixels in any single- or multiple- UF's frames! We now come to 'G-d's Physics' New Paradigm's basic challenging, negation and indeed transformation of Darwin's fundamental "Natural-Selection Principle's" (DNSP) evolutionary Theory; according to DNSP, the gradual evolution of the various Biological Species is brought about by a combination of "Chance-Genetic Mutations" (CGM) in a particular organism "caused" by direct physical interactions between certain ultraviolet cosmic radiation with the genetic code of that particular organism; together with the given "Environmental Factors" direct physical interaction with that particular organism – i.e., as opposed to the direct physical interaction of other equivalent (same-species) organisms (which did not undergo the same CGM) that "causes" that particular CGM organism to "survive" better than the other equivalent species' organisms... Hence, DNSP is based on a "dual Material-Causal" assumptions structure wherein the "selection of the fittest" is "Caused" by: a) a direct physical interaction between ultraviolet radiation and the genetic-code of the mutated (CGM) particular organism; b) a direct physical interaction between that 'mutated' (CGM) and a given set of 'Environmental Factors' which "causes" the selection

of that 'mutated' (CGM) particular organism to "survive" and "pass-on" its "superior" genetic-code to its descendants (as opposed to the other equivalent species' organisms which could not survive and therefore cannot pass their genetic information to any descendants, i.e., get "extinct")! But, based on the New 'G-d's Physics' Paradigm for 21<sup>st</sup> century Physics – which explicitly negates the very possibility of the existence of any such "direct physical interaction" between any two (or more) exhaustive spatial pixels existing either in the same- or any other- UF's frames, e.g., due to the "simultaneity" of the UCP's computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s, and the complete "dissolution" of the whole universe "in-between" any two such consecutive UF's; therefore, the New 'G-d's Physics' Paradigm strictly negates DNSP's basic 'dual Material-Causal' assumptions – hence de facto negating the feasibility and validity of DNSP as "impossible"!?)

Indeed, in order to better understand 'G-d's Physics' basic challenging- negation- and transcendence- of DNSP Old 'Material-Causal' (dual) assumptions nature, it is perhaps appropriate to mention 'G-d's Physics' New 21<sup>st</sup> century Paradigm's associated "Cinematic-Film Metaphor", which delineates certain aspects of the 'Computational Unified Field Theory's' (CUFT) description of the UCP's computation of the series of consecutive UF's frames: let's examine a standard 'Cinematic-Film' dynamics (and progression) – for instance, depicting a scenario in which a given "Glass-Jar" is being "impacted" by another "Mercury-Ball" which "causes" the "breakage" of that 'Glass Jar' and the "spillage" of its containing water unto the floor... the key point to be realized is that despite the "appearance" of a direct "cause and effect" physical interaction between the 'Mercury-Ball's' impact upon the 'Glass-Jar' – which seems to have "caused" its 'breakage' (and water-spillage on the floor), when we closely examine the direct physical interaction between that 'Glass-Jar' and 'Mercury-Ball', for each consecutive Cinematic-Film frame/s, we are bound to realize that at no single or multiple UF's frame/s could there have existed any "direct physical interaction", and hence any "cause and effect" physical relationships between the 'Mercury-Ball' and the 'Glass-Jar'!? This is simply because for each (single or multiple) UF's frame/s, all of the exhaustive spatial pixels comprising each consecutive Cinematic-Frame/s are being simultaneously presented! Moreover "in-between" any two such consecutive 'Cinematic-Frames', there only exists the "pure light" so that there cannot really be any "transference" of any "material-entity" or any "physical interaction/s" or "physical effects" across any two consecutive Cinematic-Frames! So, we must realize that despite the "appearance" of a clear "cause and effect" direct physical relationship/s between the 'Mercury-Ball' and the 'Glass-Jar', in reality there does not (and cannot) exist any such direct physical "cause and effect" relationships between the 'Mercury-Ball' and 'Glass-Jar'! Instead, we reach the inevitable theoretical conclusion

whereby it is only the "arrangement" of the consecutive 'Cinematic Film Frames' by the producer of the film that gives rise to out "subjective impression" of a "cause and effect" physical relationship between the 'Mercury-Ball' impact upon the (delicate) 'Glass-Jar', which seems to have "caused" its 'breakage' and consequent 'water-spillage'... Indeed, this 'Cinematic-Film Metaphor' assists us in fully realizing that in much the same manner that the apparent "direct physical interaction" between the 'Mercury-Ball' and the 'Glass-Jar' seem to have "caused" the 'breakage' of the 'Glass-Jar' (and 'spillage' of its constituent waters) – but in truth was found out to arise merely from the "arrangement" of the series of 'Cinematic-Film Frames' by the film's produce in such a manner wherein the "spatial-proximity" between the depiction of the 'Mercury-Ball' and the 'Glass-Jar' become closer and closer across the series of Cinematic-Film Frames; so it is suggested that the UCP's arrangement of the series of UF's depicting the "evolution" of any given "new species" merely arises from the presentation of certain changes in given 'Environmental Factors' and parallel presentation of certain "new organism's" appearance along a given series of UF's frames!?)

Hence, we reach the amazing conclusion wherein the very basis for Darwin's Natural Selection Principle is negated and rejected by the New 'G-d's Physics' Paradigm which points at the simultaneity of the UCP's computation of all exhaustive spatial pixel in the universe for each consecutive UF's frame/s (thereby negating the possibility of the existence of any direct physical interactions between any two or more exhaustive spatial pixels in the entire physical universe), and also negates the possibility of the transference of any "physical effects" or any "material-entity" across any two such consecutive UF's frames (due to the "dissolution" of the entire physical universe "in-between" any two consecutive UF's frames!) Noteworthy is also the fact that not only this "second-later" of DNSP, e.g., assuming that it is based on the direct physical interaction between a given organism and its 'Environmental Factors' which determines which organism will "survive" and pass on its genetic information to its descendants and which organism will be "extinct" (and therefore could not pass on its genetic information) – is negated by the New 'G-d's Physics' Paradigm; Also the "first-layer" of the (abovementioned) DNSP is negated for the same principle reason by the New 'G-d's Physics' Paradigm: since according to 'G-d' Physics' Paradigm there cannot exist any direct physical interaction between any two (or more) exhaustive spatial pixels at any single- or multiple- UF's frames (and moreover then entire physical universe "dissolves" 'in-between' any two consecutive UF's frames thereby negating the possibility of any "physical" or "biological effect" across any two consecutive UF's frames), therefore the 'first-layer' of DNSP is also negated- assuming that it is the direct physical interaction between cosmic electromagnetic radiation and the genetic information of particular

organism/s which "causes" the random "genetic-mutations" at such a particular organism that then "sets it" to the 'second-layer' of DNSP's 'Material-Causal' assumption, i.e., assuming that it is those "rare" (chance) "genetically mutated" organisms that are later on found to be those special organism/s that can actually "survive" amidst the "challenging" 'Environmental Factors', thereby giving rise the evolution of a new specie?! This is because, once again, based on the simultaneity of the UCP computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame (and the complete "dissolution" of the entire physical universe 'in-between' any two consecutive UF's frames) we must reach the inevitable conclusion that there cannot exist any such "direct physical interaction" between any hypothetical "cosmic-electromagnetic rays" and any given organism's "genetic information" which then "Causes" a "mutation" in that particular 'genetic-information' (nor can there exist any "physical" or "biological effect" transferring any "changes" in the assumed 'genetic information' of a particular organism from one UF's frame/s to another!);

All that truly exists is, as illustrated by the fine "Cinematic-Film Metaphor", is a particular "arrangement" of the series of UF's frames by the Universal Computational/Consciousness Principle (UCP) in such a manner which gives us the perceived effect of a given "Biological Evolution"!? Just as we've seen through this 'Cinematic-Film Metaphor, that what seems to be a "cause" and "effect" direct physical relationship between the "impact" of the "Mercury-Ball" and the "shattering" of the "Glass-Jar", but in truth only arises from the "arrangement" of the Cinematic-Film Frames in such a manner in which the spatial-proximity of those two 'Mercury-Ball' and 'Glass-Jar' are presented in ever closer proximity in each consecutive frame – leading up to the final frame which presents the "shattered" 'Glass-Jar' with the adjacent 'Mercury-Ball' (and the 'spilled-off' water on the ground...) So, it is suggested that the apparent "Biological-Evolution" stipulated by DNSP also arises merely from the "arrangement" of the series of UF's frames in such a manner that seems to associate between certain changes appearing perhaps in a given Environment ('Environmental Factors') and equivalent changes in a given organism, which give us the "impression" of a direct "cause" and "effect" physical relationship/s between them!? But, as we've already seen that no such direct physical interactions are possible between any two (or more) exhaustive spatial pixels existing either in the same- or different- Universal Frames (UF's), and moreover the entire physical universe "dissolves" 'in-between' any two consecutive UF's frames, therefore the New 'G-d's Physics' Paradigm explains the origination- "dissolution"- re-creation and evolution of each specific exhaustive spatial pixel throughout the entire physical universe – only based on the singular higher-ordered UCP's operation and characteristics, as explained and delineated previously.

### 3. G-d's Physics: UCP's Complete Unification of "Physical", "Biological" & Moral Developments

In fact, in order to fully understand (and appreciate) 'G-d's Physics' New Paradigm's exhaustive theoretical framework – which completely integrates all "Physical", "Biological" & "Moral" developments, we have to reexamine some of the basic tenets and theoretical postulates of the CUFT's including its complete unification of 'space', 'time', 'energy' and 'mass' – within a single "Universal Computational Formula" (UCF), e.g., as secondary computational features of the singular higher-ordered UCP's operation; according to 'G-d's Physics' singular 'Universal Computational Formula' (UCF) (and associated theoretical postulates) the UCP possesses three "Computational Dimensions" (e.g., "Framework", "Consistency" and "Locus") – two out of which ('Framework' and 'Consistency') compute together the four basic physical features of 'space' and 'energy', 'mass' and 'time', based on the UCP's computation for each exhaustive spatial pixel in the universe (simultaneously) of the degree of "change" ('consistent') or "lack of change" ('inconsistent') pertaining to each spatial-pixel's (entire) 'frame' or focusing of the 'object's characteristics across a given series of Universal Frames (UF's): Thus, the UCP's computation of 'space' and 'energy' stem from the UCP's computation of 'frame'- 'consistent' or 'inconsistent' measures across any given series of UF's frames, whereas the UCP's computation of 'time' and 'mass' represent the degree of 'object' – 'consistent' or 'inconsistent' measures across the same UF's series; Indeed, for the first time in Physics history the four basic physical dimensions of 'space', 'energy', 'mass' and 'time' are completely unified as integrative computational aspects of the singular higher-ordered UCP's simultaneous computation of all exhaustive spatial pixels in the universe comprising an extremely rapid (e.g.,  $c^2/h = 1.36^{50}$  sec!) series of Universal Frames (UF's) depicting the whole physical universe! Thus far, only 'space' and 'time' (Space-Time), or 'energy' and 'mass' (" $E = Mc^2$ ") have been united, and likewise the "curvature" of "Space-Time" by Massive objects (as described in General Relativity's "Einstein's Equations"), and conversely the determination of these (and other) 'Massive' (and less massive) objects is assumed to be determined (or "Caused") by this 'curvature of Space-Time'; But this New 'G-d's Physics' (CUFT) Paradigm signifies the first complete unification of these four basic physical features of 'space', 'energy', 'mass' and 'time' as integral secondary computational properties of the singular higher-ordered UCP simultaneous computation of all exhaustive spatial pixels in the universe (for each consecutive UF's frame/s)! Moreover, due to another key "Computational Invariance Principle" postulate of the CUFT ('G-d's Physics') which asserts that only the "Universal Computational Principle" (UCP) remains "computationally invariant" (i.e., constant) – both "during" its computation of all exhaustive spatial pixels' four basic physical features (of 'space' and 'energy', 'mass' and 'time') comprising each consecutive UF's frame/s, as well "in-between" any two consecutive UF's

frame/s (in which the entire universe "dissolves" back into the singularity of the UCP); whereas the entire physical universe (and each of its constituting exhaustive spatial pixels' four basic physical features) may only be considered as "computationally-variant", since it only exists "during" each consecutive UF's frame/s (as solely computed by the UCP) but "dissolves" (back into the UCP) "in-between" any two consecutive UF's frame/s – therefore deemed only as a "transient", "phenomenal" manifestation of the singular UCP; hence, this "Computational Invariance" Principle regards the whole entire physical universe as only a "transient", "phenomenal" manifestation of the singular existence of the UCP! This additional "Computational Invariance Principle" and its associated "Universal Consciousness Reality" theoretical postulate is important because it transforms our basic understanding (and appreciation) of the "independent existence" of the physical universe as a "Material-Causal" entity – governed by mere physical interactions (e.g. such as postulated by the abovementioned General Relativity Theory's curvature of 'Space-Time' by massive objects etc.);

We realize that the only entity that exists uniformly, continuously and constantly is the singular higher-ordered "Universal Consciousness Reality" (UCR) which exists "computationally invariantly" – both "during" its computation of every exhaustive spatial pixel comprising the entire physical universe, and also singularly (without the existence of any physical universe) "in-between" any two consecutive UF's frames; and therefore, that the whole existence of the physical universe cannot be explained (any longer) through any direct physical interactions – e.g., such as between 'Massive objects' and their assumed 'curvature of Space-Time', or such as between the initially assumed "Big-Bang" nuclear explosion and its "creation" of "space", "energy", suns or galaxies, or indeed between DNSP's assumed dual 'Material-Causal' (direct physical) interaction between certain assumed electromagnetic rays and particular organism's "genetic information", or between that particular organism's and a given set of (challenging) "Environmental Factors" (which are both supposed to "cause" the "survival of the fittest"!?) Instead, we arrive at an entirely new and exciting theoretical account of the origin- "dissolution"- re-creation and evolution of each and every exhaustive spatial pixel comprising the entire physical universe, which is solely by the singularity of the UCP (or UCR)! Indeed, a series of over forty scientific 'peer-reviewed' articles and Books (see Bentwich References) indicated that since this singular higher-ordered UCR exists "computationally invariantly" – both during its production of every consecutive UF's frame/s depiction of the entire physical universe (constituting exhaustive spatial pixels) and also solely exists "in-between" any two consecutive UF's frames (whereas the entire physical universe only exists "transiently" and "phenomenally" "during" each consecutive UF's frame but "dissolves" back into the UCR "in-between" every two consecutive UF's frames);

therefore the singularity of this UCR – and its intrinsic characteristics are solely responsible for any physical, biological (and moral) laws, phenomena etc., including an alternative unitary explanation for the entire origination, sustenance and evolution of the entire physical universe!

Hence, 'G-d's Physics' New Paradigm for the first time completely integrates not only between the four basic physical features (of 'space', 'energy', 'mass' and time'), as well as between RT and QM (being seen as integral "special cases" within the CUFT's exhaustive computational framework) – but more importantly, between the apparently "different" aspects of Biological, Physical – and even Moral evolution of the entire physical universe! Indeed, based on 'G-d's Physics' new discovery of the UCP's Ten Laws of Hierarchical Manifestation, which describe some of the UCP's intrinsic characterizations these apparent "separate" and "random" aspects of the universe's Physical, Biological and even Moral evolution are seen to be completely unified! Unlike the Old 'Material-Causal' Paradigm which assumes that the origination of the physical universe can be explained as being "caused" by an initial "random Big-Bang" nuclear explosion, which created "space", "energy", the various suns and galaxies etc.; and unlike DNSP equivalent dual 'Material-Causal' assumption wherein the evolution of all Biological forms and species can be explained merely based on the direct physical interactions between "cosmic electromagnetic rays" and the "genetic information" of particular organism/s which "causes" "random-mutations", which in turn produces a "survival advantage" for those "randomly mutated" organism/s in its direct physical interaction with a given set of 'Environmental Factors'; the UCP's Ten Laws of Hierarchical Manifestation posit that both the origination- sustenance- "dissolution"- and evolution of every exhaustive spatial pixel in the universe, i.e., including their "Physical", "Biological" or "Moral" aspects – is solely determined and directed by the singular higher-ordered UCP (or UCR) which exists both "during" its simultaneous computation of every exhaustive spatial pixel in the universe comprising each consecutive UF's frame, as well as solely exists "in-between" any two consecutive UF's frames! Succinctly stated, the New 'G-d's Physics' Paradigm posits that the UCP's characteristics of "Good-Will", "Free-Will", "Moral Dynamic-Equilibrium" Principle manifest as the underlying "driving" and determining factors for the Physical, Biological and Moral evolution of the entire physical universe towards the UCP's ultimate "Goal" of Perfection, e.g., termed: "Geula" in the Jewish-Chassidic Tradition! As previously described, the UCP's computation of all "past", "present" and "multiple-possible future/s" is carried out by its "Supra-Spatial-Temporal Reservoir" which contains all past, present and multiple possible future/s UF's frames; this UCP's computation is related to another one of the UCP's higher-ordered 'Ten Laws of Hierarchical Manifestation', namely: the Moral 'Dynamic-Equilibrium' Principle –

which stems from the UCP's "Inseparability Principle"; Simply explained, this new 'G-d's Physics' "Dynamic-Equilibrium" Principle states that based on the UCP's 'Inseparability Principle' acknowledgement of the fact that all Individual Human Consciousness comprise integral parts of the Universal Consciousness Reality (and are not "separate" from it), therefore the singular higher-ordered UCP (or UCR) possesses an "intrinsic" property that strives towards "unity" and "harmony" between all of its constituent 'Individual Human Consciousness' – such that in any case in which this "Moral Unity" is violated, e.g., through any Immoral Choice made by one of its constituting 'Individual Human Consciousness' inflicting 'pain' or 'suffering' towards another 'Individual Human Consciousness'; then according to the UCP's 'Dynamic-Equilibrium Principle' this must necessarily lead to the UCP's "correction" of such a 'Moral-Imbalance' through the rectification brought about by the creation of an "equivalent situation" in which that "Individual Human Consciousness" which 'inflicted pain' upon the other "suffering" Individual Human Consciousness – would have to experience the same kind (and degree) of suffering itself (in order to learn and understand the UCP's Inseparability and Moral Principle)... Hence, the selection of one of multiple possible future/s found within the UCP's "Multi-Spatial-Temporal Reservoir" is carried out based on one of the UCP's Ten-Laws of Manifestation, i.e., the 'Dynamic Equilibrium' Moral Principle!

More generally, the UCP's other higher Laws of Hierarchical Manifestation include the UCP's innate tendency of 'Goodwill' – an intrinsic propensity to bestow Life, Happiness, Goodness and Giving; when coupled with the UCP's "Free-Will" Law of Hierarchical Manifestation – which essentially states that since only the singular UCP (or UCR) exists continuously and "computationally invariantly" both "during" its simultaneous computation of all exhaustive spatial pixels in the universe comprising the series of consecutive UF's frames, and also solely existing "in-between" any two consecutive UF's frame, therefore that this singular higher-ordered UCP is not "constrained" or "limited" by any 'Material-Causal' laws etc. but is rather completely "free" to create- sustain and evolve every exhaustive spatial pixel in the universe according to its "Free-Will", and "Good-Will" propensities... Indeed, the UCP (or UCR) "Reversed-Time" Goal Hypothesis anchors the whole evolution of the entire physical universe in the UCP's ultimate Goal of "Geula", e.g., Physical, Moral and Spiritual Perfection! According to this "Reversed Time Goal Hypothesis" the UCP "arranges" and "drives" the whole evolution of the universe towards an Ultimate State of 'Geula' – a "Perfected State" of the world (and universe) in which there is complete Harmony, Peace, an Awareness of the Singular Existence of the UCR and a sense of Gratitude towards It; Towards that end, the singular higher-ordered UCR produces the whole universe – producing, sustaining and evolving the entire physical universe enabling the appearance of Life on our

small planet; and in particular, "driving" the UF's depiction of "inanimate" matter, then "animate" Life: from "plants" through "animals" to "Human-Beings" – and towards the appearance of an "expanded" form of Consciousness (for specific Individual Human Beings whose own Individual Human Consciousness is "not separate" from the functioning of the singular Universal Consciousness, e.g., at the "waking state" of Consciousness); and ultimately towards the Physically, Morally and Spiritually Perfected State of "Geula" in which all Human Beings will realize their "inseparability" from that Singular Higher-Ordered Universal Consciousness Reality, a State in which also "Death" will be "Abolished" (e.g., with one "empirical" manifestation of such "Death Abolishment" possibility based on a "time-reversal" application of the basic principles of the New 'G-d's Physics' Paradigm, as described previously)... In that sense we see that there is no real "separation" between the UCP's origination and development of the entire physical universe – e.g., including its accelerated expansion of the universe as brought about by its accelerated addition of the number of exhaustive spatial pixels to each consecutive UF's frame/s (rather than as "explained" by the purely hypothetical "non-existent" concepts of "dark-matter" and "dark-energy"), and its evolution of all inanimate and animate Biological Forms, all being driven by the singular higher-ordered UCP towards Its Ultimate Goal of a Perfected "Geula" State!

We therefore reach an entirely new understanding of the whole physical universe – whose continuous origination- "dissolution", sustenance and evolution- is not "caused" by any direct physical interactions between any relativistic 'Massive objects' and their assumed "curvature of Space-Time", nor by the "collapse" of the subatomic target's "probability wave function" as "caused" by its direct physical interaction with the corresponding subatomic "probe" element; A New singular, higher-ordered UCR directed 'Geula' Perfected State (e.g., Physically, Morally and Spiritually) towards which the UCR continuously creates- dissolves- re-creates and evolves each and every exhaustive spatial pixel comprising the entire physical universe for each consecutive UF's frame! We can see that this singular higher-ordered UCR directs the entire evolution of the physical universe to manifest ever more Conscious forms – from "inanimate" matter: the creation of all suns, planets, galaxies – leading up to the special "Life-enabling" conditions manifest in our Planet, as well as the accelerated expansion of the physical universe (based on the abovementioned UCR's accelerated addition of the number of exhaustive spatial pixels comprising the whole physical universe with each consecutive UF's frame), which allows Science and Humanity to notice and be aware of the operation and singularity of this UCR!; and towards the Ultimate "Perfected Geula" State through animate: plants, animals, Humans – and up to the manifestation of Humanity's (and the universe's!) Ultimate Perfected (Physical, Moral and Spiritual) State!

Hence, in stark contrast to DNSP and the Old 'Material-Causal' Paradigm's depiction of the origination of the universe as "caused" by a "random nuclear Big-Bang explosion", is governed by mere direct physical interactions between relativistic 'Massive-objects' and their 'curvature of Space-Time' (which in turn determines the "travelling pathways" of these and other non-massive' objects) or direct physical interactions between random subatomic probe elements and their corresponding subatomic 'target's probability wave function; and the further expansion of the physical universe based on (purely hypothetical) "dark-matter", "dark-energy" concepts – leading to an inevitable eventual "death" or "dissipation" of all suns, galaxies, Life etc., based on the "Second Law of Thermodynamics" which states that the level of Entropy must increase with time... Moreover according to DNSP dual level 'Material-Causal' Model, the evolution of Biological forms of life is also assumed to be brought about by "random", "purposeless" direct physical interactions between certain "cosmic rays" and particular organisms' "genetic code" which "causes" random "genetic-mutations" – that in turn transform this particular "genetically mutated" organism to "survive better" in its direct physical interaction with a given set of 'Environmental Factors' (then its other "peer-organisms"), thereby allowing it to evolve into a new species etc. In contrast, the New 'G-d's Physics' Paradigm advocates an entirely new (and exciting) theoretical perspective and understanding of the origination- sustenance ("dissolution") and evolution of the entire physical universe – as being constantly and continuously directed towards the UCR's (or UCP's) "Ultimate Goal" of manifesting ever more Conscious, Moral and Harmonious forms, e.g., from the inanimate material entities through animate: animals, plants and Human-Beings – and up to Humanity's full manifestation of a "Perfected Geula State" in which the Presence and "Inseparability" of every exhaustive spatial pixel in the universe, every rock, plant, animal and human-being from the constant and continuous creation- dissolution-re-creation and evolution of every such exhaustive spatial pixel from the UCP's singular existence; in which this "Geula State" manifests as a full appreciation of the Oneness of all Humanity and all Creation, and consequent Perfected Moral and Spiritual State of Harmony, Awareness of the UCP's singular higher-ordered Existence and associated deep sense of Gratitude and Appreciation... We therefore realize that instead of the universe being created "by chance" and its evolution being "random", e.g., including the "Random Genetic Mutations" which supposedly created Life and evolves it (as explained by the Old 'Material-Causal' Paradigm), the creation- sustenance- "dissolution" and continuous "evolution" of the entire physical universe may only be seen as a "phenomenal", "transient" manifestation of the singular "computationally-invariant" 'Universal Consciousness Reality' (UCR) – which exists both "during" its sole (simultaneous) computation of all exhaustive spatial pixels' (four basic physical features of 'space', 'time', 'energy' and 'mas') comprising each

consecutive UF's frame, and also exists singularly "in-between" any two consecutive UF's frames! Indeed, due to the singular existence of this UCR, the complete dependency of the entire physical universe – including all Biological forms solely upon the continuous operation of this singular, higher-ordered UCR we realized that the whole creation, sustenance ("dissolution") and evolution of the entire physical universe and all of its Biological Forms is solely directed by the UCP towards a manifestation of a Perfected "Geula" State – Physically, Morally and Spiritually!

**Dedication:** This article is dedicated in memory of dear beloved Mrs. Diana Raz, who shed so much light and Goodness in the lives of so many couples but whose own life was stumped at such an early age leaving behind four innocent children, may her Memory Blessed and may her Soul ascend to Paradise (where she belongs)...

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## "G-D'S PHYSICS": ON THE TRUE NATURE OF "DARK-ENERGY" & "DARK-MATTER"

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### ABSTRACT

Twenty-first Century Theoretical Physics is in a state of a "Paradigmatic-Crisis" wherein the two pillars of the Old "Material-Causal" Paradigm (Relativity Theory & Quantum Mechanics) seem "inconsistent" and up to 95% of all the energy and mass in the universe cannot be directly accounted for, e.g., deemed as "Dark-Energy" and "Dark-Matter"?! Indeed, the quest for a satisfactory answer for these two primary conundrums: resolving the basic RT-QM inconsistency and explaining what precisely comprises these (purely hypothetical) "Dark-Matter", "Dark-Energy" concepts are most likely the most important topics – to be resolved by any (satisfactory) 21<sup>st</sup> Century Physics' "New Paradigm"! Fortunately, such a New "Computational Unified Field Theory" (CUFT), lately termed: "G-d's Physics" Paradigm provides satisfactory answers for these two critical fundamental issues; "G-d's Physics" was shown to resolve the apparent RT-QM "theoretical inconsistency" based on the discovery of a new singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which *simultaneously* computes every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{-50}$  sec", creating an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every "minimal time-point"! Specifically, this New "G-d's Physics" Paradigm explains the fundamental nature of "Dark-Matter" and "Dark-Energy" in a completely new manner – i.e., as representing the operation of the singular higher-ordered UCP's "A-Causal Computation"! Hence, instead of "Dark-Matter" and "Dark-Matter" comprising actual "material" (hypothetical) elements, the New 21<sup>st</sup> Century "G-d's Physics" Paradigm explains these constructs as merely a manifestation of the singular higher-ordered UCP's accelerated addition of exhaustive spatial pixels for each consecutive UF's frame/s. Viewed in this new light, the real "cause" for the universe's accelerated expansion – is not found in any "material" or "physical" entities, but is rather contingent upon the successive simultaneous computation- "dissolution" re-computation and evolution of each exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{-50}$  sec"!

### 1. Introduction: Twenty-First Century's New "G-d's Physics" Paradigm

Twenty-first Century Theoretical Physics finds itself in a state of a "Paradigmatic-Crisis" as characterized by the famous Philosopher of Science, Thomas Kuhn in his analysis of the "Structure of Scientific Revolutions" (1962); This is because according to Kuhn, any scientific discipline undergoes alternating phases of "Standard Science" in which a given discipline follows the guidelines of a particular accepted "Standard Paradigm" which allows the research within that discipline to advance and evolve; Followed by an inevitable "Paradigmatic-Shift" phase/s in which those same "guidelines" and basic "assumptions" underlying the given discipline are questioned, challenged and transcended – due to the appearance of certain "theoretical inconsistencies" found between (different) "pillars" of that discipline, as well as the discovery of certain enigmatic empirical phenomena – which cannot

adequately be explained or accounted for by that given "Standard Paradigm"... This calls for the discovery of a "New Paradigm" which seems to be able to resolve these (apparent) "theoretical inconsistencies" found within the Old "Standard Paradigm", explain in a satisfactory manner those "unexplained phenomena" (by the Old Paradigm) – and ultimately predict a new unique "Critical-Prediction" that significantly differs from the prediction/s of the Old "Standard Paradigm", i.e., which if verified empirically "crowns" the New Paradigm as the new satisfactory paradigm for that scientific discipline (within a given point in time).

This is precisely what happened 101 years ago, when Albert Einstein discovered (General) Relativity Theory, which was shown capable of resolving the principle "theoretical inconsistencies" found between RT and QM, could offer an alternative explanation for the previously assumed ("non-existent") "Ether" concept, and ultimately

predicted a unique "Critical-Prediction" regarding the far greater "curvature" of Mercury's perihelion travelling pathway around the Sun (e.g., relative to the Old Newtonian "Classical Mechanics" Paradigm's reduced perihelion's curvature value); Thus, when Eddington confirmed Einstein's General Relativity's greatly "increased" Mercury's perihelion's curvature value – "overnight", Einstein's RT was immediately accepted as the New acceptable Paradigm for 20<sup>th</sup> century Physics! In much the same manner, it is suggested that the current state of 21<sup>st</sup> Century Theoretical Physics has reached an "equivalent" state of a "Paradigmatic-Crisis" which inevitably calls for a (similar) "Paradigmatic-Shift"! This is because the Old "Material-Causal" Paradigm of 20<sup>th</sup> Century underlying both Relativity Theory (RT) and Quantum Mechanics (QM) has also reached a state in which there seem to exist basic "theoretical inconsistencies" between Relativity's strict "Speed of Light Constraint" set on the transmission of any signal (or information) across Space-Time and QM's empirically validated phenomenon of "Quantum Entanglement" which suggests that the subatomic measurement of one "entangled particle" seems to determine (or affect) the other "entangled particle's" complimentary s' (space/energy or time/mass) measured value "instantaneously", thereby apparently violating RT's strict "Speed of Light Constraint"! Likewise, the (purely) hypothetical concepts of "Dark-Matter" and "Dark-Energy" which are assumed to account for up to 95% of all of the mass and energy in the physical universe – cannot be detected or measured "directly", despite numerous attempts to do so! Fortunately, there is a New (alternative) more expansive Paradigm termed: the "Computational Unified Field Theory" (CUFT) lately also called: "G-d's Physics" Paradigm, which has been shown capable of resolving this apparent "theoretical inconsistency" between RT & QM, offer an alternative theoretical explanation for "Dark-Matter" and "Dark-Energy" (e.g., delineated in this article) and has also identified several (unique) "Critical Predictions" differentiating this New "G-d's Physics" Paradigm from the Old "Material-Causal" Paradigm's corresponding predictions; But, before delving into the depths of this New "G-d's Physics" Paradigm for 21<sup>st</sup> Century Physics, let us portray the gist of the Old "Material-Causal" Paradigm underlying both RT and QM – so that we can better understand the differences between this Old "Material-Causal" Paradigm and the New "G-d's Physics" (CUFT) Paradigm: According to the Old "Material-Causal" Paradigm of RT & QM, every macroscopic (relativistic) or microscopic (quantum) material phenomenon (entity or law etc.) can be explained based on its direct physical interaction with another material component:

The primary Theoretical Postulates of this New "G-d's Physics" Paradigm include

**a) The "Universal Computational/Consciousness Principle" (UCP)"**

One of the key primary theoretical postulates of the New "G-d's Physics" Paradigm arises from its discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which is hypothesized to *simultaneously compute* every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h$ " =  $1.36^{-50}$  sec<sup>(!)</sup> thereby creating an extremely rapid series of "Universal Frames" (UF's) comprising the whole physical universe (at any given "minimal time-point"); According to this new UCP theoretical postulate, "in-between" each two such consecutive UF's frames, all exhaustive spatial pixels comprising the entire physical universe "dissolve" – back into the singularity of the UCP! This means that the whole universe is being continuously computed ("created"), "dissolved", "re-computed" and evolved at the incredible rate of " $c^2/h$ " =  $1.36^{-50}$  (sec)!

**b) An "A-Causal Computation" Paradigm**

Immediately ensuing from the discovery of this singular (higher-ordered) UCP by this New "G-d's Physics" (CUFT) Paradigm is the recognition of its "A-Causal Computation" characterization: Since the UCP is assumed to "simultaneously" compute all exhaustive spatial pixels in the universe, therefore there cannot exist any "material-causal", e.g., "cause" and "effect" physical relationship/s between any two (or more) exhaustive spatial pixels existing either in the same- or other- Universal Frame/s (UF's)! Moreover, since the whole entire universe "dissolves" (back into the singularity of the UCP) "in-between" any two consecutive UF's frame/s, therefore there also cannot be any "transference" or any "physical effect/s" "passing" across any two (or more) UF's frames! Therefore, any (apparent) "material-causal" physical relationship/s that seem to exist between any two (or more) exhaustive spatial pixel/s existing within the same- or different- UF's frame/s must be explained through the New "G-d's Physics" "A-Causal Computation" Paradigm, e.g., rather than through the Old "Material-Causal" Paradigm's basic assumption;

**c) The UCP's Computation of the Four Basic Physical Features**

According to this New "G-d's Physics" Paradigm, the UCP is assumed to simultaneously compute each exhaustive spatial pixels' four basic physical features of "space" and "energy", "mass" and "time" based on the operation of three "Computational Dimensions", including: "Framework" (frame/object), "Consistency" (consistent/inconsistent) and "Locus" (global/local); Specifically, the four possible combinations of "Framework" and "Consistency", namely: "Frame" – "consistent" ("space") & "inconsistent" ("energy"), "Object" – "consistent" ("mass") and "inconsistent" ("time") are computed as secondary computational properties computed by these four UCP's combinations of two (of its three) Computational Dimensions (e.g., "Framework" and "Consistency"); Indeed, this entirely new conception of the four basic physical features of "space" ("frame-consistent"), "energy" ("frame-

inconsistent"), "mass" ("object-consistent") and "time" ("object-inconsistent") for the first time completely unifies those four physical features as different complimentary secondary computational properties of the UCP singular simultaneous computation of each exhaustive spatial pixel in the universe (e.g., at the unfathomable rate of " $c^2/h = 1.36^{50}$  sec")!

**d) The "Universal Computational Formula"**

Indeed, this complete (new) full integration of these four basic physical features of "space" and "energy", "mass" and "time" is best represented within "G-d's Physics" newly discovered "Universal Computational Formula" (UCF) which describes the manner in which this singular higher-ordered UCF simultaneously computes each exhaustive spatial pixel in the universe:

**Universal Computational Formula (UCF)**

$$\left. \begin{matrix} \text{c}^2 \\ - \\ \text{h} \end{matrix} \right\} \text{UF's } \{\text{ן...נ...ך}\} = \frac{\text{s} * \text{e}}{\text{t} * \text{m}}$$

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "ך through "ן" to "ן") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: " $c^2/h = 1.36^{50}$  sec"!

Interestingly, this new UCF – not only completely unifies between these four basic physical features (of "space", "energy", "mass" and "time"), but also resolves the apparent fundamental "theoretical inconsistency" that seem to exist between RT & QM, by integrating their key properties as secondary integral components of this singular (higher-ordered) UCF! Thus, for instance, RT's "Energy-Mass Equivalence" (" $E = Mc^2$ ") is embedded within the UCF's "Relativistic Format", e.g., as a "special limiting case" (which necessitates further empirical and theoretical investigation). Likewise, the key Quantum Heisenberg's "Uncertainty Principle's" "complimentary-pairs" simultaneous measurement constraint (e.g., of "space" and "energy", or "time" and "mass" simultaneous subatomic measurement constraint set by Planck's constant) – have been (surprisingly) found to constitute "special-cases" embedded within the UCF's "Quantum Format".

**e) "G-d's Physics" New UCP's "Dynamic-Equilibrium Moral Principle" & "Supra Spatial-Temporal Reservoir"!**

Another profound discovery made through this New "G-d's Physics" Paradigm regards its unravelling of the UCP's higher-ordered "Supra Spatial-Temporal Reservoir" which contains all "past", "present" and multiple possible "future/s" – dictated by the "Moral-Choice/s" made by each Individual Human Consciousness (Human Being) at any given point in time based on the UCP's intrinsic "Dynamic-Equilibrium" Moral Principle; According to "G-d's Physics" New Paradigm, one of the intrinsic properties of this singular higher-ordered UCP it its "Dynamic-Equilibrium: Moral Principle" which stems from the singularity and basic unity of all exhaustive spatial pixels in the universe with this singular UCP – specifically all of all Individual Human Consciousness entities with this this singular UCP! This "inseparability" of all Individual Human Consciousness (Human Beings) from the singular higher-ordered UCP "explains" the UCP's basic tendency towards "balancing" or "correcting" any "Moral Imbalance" created by an "Immoral Choice" affected by any given Individual Human Consciousness towards any other Individual Human Consciousness, which is the essence of this newly discovered UCP's "Dynamic-Equilibrium" Moral Principle; A "Trampoline-Metaphor" was given wherein there is a "Metal-Bar" placed upon a "Trampoline-Sheath", e.g., connecting two given points along this Sheath; whenever a situation arises wherein one of these two given "points" (Individual Human Consciousness) makes an "Immoral Choice" to inflict "pain"/"suffering" upon the other "point" – by pressing that "Metal-Bar" against the other "point" (Individual Human Consciousness), then this would "automatically" set in motion the "opposite balancing effect" of the first "point" suffering the same degree (and intensity) of pain/suffering as experienced by the other "point", e.g., based on its "Immoral-Choice": This represents the UCP's "Dynamic-Equilibrium" Principle, wherein whenever there is an "Immoral Choice" made by one Individual Human Consciousness towards another Individual Human Consciousness, then due to the UCP complete "unity"- and "inseparability" of all of its constituting Individual Human Consciousness ("points" along the "Trampoline's Sheath"), any such "Immoral Choice" inevitable leads to a "correcting" or "balancing" act of the UCP to create an "equivalent situation" in which that Individual Human Consciousness that inflicted "pain" or "suffering" upon another Individual Human Consciousness – would have to "suffer" or experience "pain" as did the other Individual Human Consciousness; That is (according to "G-d's Physics" New Paradigm) unless that Individual Human Consciousness which "inflicted pain/suffering" makes a "Teshuva" (e.g., feels "remorse" for its "wrongdoing", asks "forgiveness" from the person that has suffered from its "immoral action/s" and towards that singular higher-ordered "Universal Consciousness Reality", and makes a principle "decision" to "not repeat" any such

"immoral action/s")... In that case, the UCP may consider this "teshuva" as "rectifying" the "Immoral-Balance" created by that Individual Human Consciousness "Immoral-Choice"; It's important to note that the UCP's selection of one of multiple possible UF's future's for each Individual Human Consciousness' "Moral/Immoral Choice/s" at each point in time operates both for "good/moral" choices as well as for "negative/immoral" choices... Thus, according to this New "G-d's Physics" Paradigm, the selection of one of multiple possible UF's future/s for each Individual Human Consciousness is determined by its Moral/Immoral Choice/s at any given point in time – which obviously "baffles" our own limited Human understanding (and conception) of this singular higher-ordered UCP's "infinite" computing capabilities (i.e., which has to be computed for each of the almost eight Billion Human Beings currently living, at any given point in time the precise UF's future/s – coupled with other Individual Human Consciousness towards which it has made "Moral/Immoral Choice/s" that would "rectify" or "balance" any "Immoral Balance" created by its choice/s as well as receive "remuneration" for any "Moral Choice/s" it made towards other Individual Human Consciousness)!.

#### **f) The "Computational Invariance Principle" & "Universal Consciousness Reality"!**

Another two key (profound) new theoretical postulates of the New "G-d's Physics" Paradigm are the "Computational Invariance Principle" and associated "Universal Consciousness Reality" (UCR) postulates; According to the "Computational Invariance Principle" and accompanying "Universal Consciousness Reality" postulates, since only the UCP exists consistently ("computational-invariant") both "during" its computation of each consecutive UF's frame (simultaneously computing each exhaustive spatial pixel's four basic physical features for each consecutive UF's frame/s) and also solely exists "in-between" any two consecutive UF's frame/s (in which the whole physical universe "dissolves" back into the singularity of the UCP), whereas those four basic physical features only exist "during" each consecutive UF's frame/s (as solely computed by the UCP for each exhaustive spatial pixel) but cease to exist (and "dissolve" back into the singular UCP) "in-between" any two such consecutive UF's frames, therefore only this singular higher-ordered UCP may be regarded as "real" whereas those four basic physical features of the entire physical universe may only be regarded as "phenomenal", "transient" manifestations of this singular UCP!.

#### **g) A "Reversed-Time Goal Hypothesis" UCP's "Geula-Directed" Universe!**

The culmination of "G-d's Physics" New paradigm is its "Reversed-Time Goal Hypothesis" which posits that the whole origination, creation, and evolution of the entire physical universe is computed by the singular higher-ordered UCP (or "Universal Consciousness Reality")

based on its "Intrinsic Goal" to bring the whole universe towards a "Perfected Geula State" (e.g., "Geula" denotes the Jewish Faith's term for such a "redemptive" State of "Moral", "Spiritual" and even "Physical" Perfection)! Indeed, according to this New "G-d's Physics" Paradigm, this singular higher-ordered UCP (or UCR) whole continuous (simultaneous) origination, ("dissolution"), sustenance and evolution of every exhaustive spatial pixel in the universe (as well as the evolution of the entire physical universe) has been "planned" to express ever more "expansive" physical (e.g., inanimate), biological (e.g., animate: plants, animals and human-beings) leading to the ultimate "Goal" of creating the most advanced form of "Individual Human Consciousness" (e.g., human-beings) – ultimately realizing the complete "oneness" of all creation and its sole dependence (and "gratitude" etc.) towards this singular higher-ordered "All-Goodness" UCR existence, i.e., the "Morally", "Spiritually" and even "Physically" "Perfected" State of "Geula"!

#### **2. "G-d's Physics" New Paradigm's Revision & Transcendence of Relativistic & Quantum Models**

We thus see that some of the most basic fundamental assumptions of the Old "Material-Causal" Physics Paradigm of 20<sup>th</sup> Century RT & QM are completely challenged, revised and indeed "transcended" through the discovery of the New 21<sup>st</sup> Century "G-d's Physics" (CUFT) Paradigm! No longer can we regard the universe as being originated by an initial "Big-Bang" nuclear event – since this is based on the Old "Material-Causal" Paradigm's basic assumption wherein it is through the direct physical interaction/s between certain exhaustive spatial pixels (within the universe) that a given physical phenomenon can be explained: Based on "G-d's Physics" New "A-Causal Computation" Paradigm which asserts that it is not possible (in principle) for any direct (or even indirect) physical interaction/s to exist between any two (or more) exhaustive spatial pixels in the universe (e.g., existing wither in the same- or different- "Universal Frame/s) due to the simultaneity of the UCP's computation of all exhaustive spatial pixels comprising any given UF's frame/s, and the complete "dissolution" of all exhaustive spatial pixels in the universe "in-between" any two consecutive UF's frame/s; therefore the New "G-d's Physics" Paradigm negated the basic "Material-Causal" assumption underlying the "Big-Bang" Model, wherein it was the direct physical interaction/s between a set of exhaustive spatial pixels in the "first" UF frame, as part of the initially assumed "nuclear event" – which "caused" the creation- and expansion of all suns galaxies, matter and energy in the universe – in the subsequent UF's frames!?! But, since there cannot exist any such direct (or even indirect) physical interactions between any two (or more) exhaustive spatial pixels existing either in the "first", "second", "third"... "N<sup>th</sup>" UF frame/s, nor can there be any "transference" of any "material" entity, effect or phenomenon across any two subsequent UF's frame/s (due to the complete "dissolution" of all exhaustive

spatial pixels comprising the entire physical universe "in-between" any two such consecutive UF's frames), therefore the basic "Material-Causal" assumption underlying the "Big-Bang" Model was negated and rejected by the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics;

Likewise, General Relativity's famous "Einstein's Equations" were also negated based on "G-d's Physics" New "A-Causal Computation" Paradigm – which negates the very possibility of the existence of any "material-causal" direct (or even indirect) physical interactions between any two (or more) exhaustive spatial pixels! This is because according to Einstein's Equations, the presence of given "massive" objects – "causes" a curvature of "Space-Time", and conversely this "curved Space-Time" "causes" (or determines) the travelling pathways of these "massive" (and other "less-massive") objects. But, since "G-d's Physics" New "A-Causal Computation" Paradigm's insists upon the "simultaneity" of the UCP's computation of all exhaustive spatial pixels in the universe (for each consecutive UF's frame/s), and since the entire physical universe "dissolves" "in-between" any two consecutive UF's frame/s, therefore there cannot exist any such "material-causal" direct or indirect physical interactions between the presence of certain "massive-objects" and their "curvature of Space-Time" – at any single or multiple UF's frames; Nor can there exist any such "material-causal" physical relationship/s between the "curvature of Space-Time" and the determination of these "massive" or other "less-massive" objects! This is simply because there cannot exist any "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels in the same- or different- UF's frame/s! Ensuing from this New "G-d's Physics" negation of the very possibility of the existence of any "material-causal" (direct or indirect) physical interaction/s between any two (or more) exhaustive spatial pixels, e.g., existing either in the same- or different- UF's frames, this New "G-d's Physics" Paradigm also challenged and negated the "Second law of Thermodynamics": This is because according to the "Second Law of Thermodynamics", the level of "Entropy" in any given physical system must "increase" as a function of the "passage of time"... But, this "Second Law of Thermodynamics" is also based on the basic "Material-Causal" assumption wherein there exists a "material-causal" physical interaction between the "state of Entropy" in a given UF's frame/s (n) and an "increase" in its corresponding "state of Entropy" in any subsequent UF's frame/s (n+1...n+m)?! However, this would entail the existence of a "material-causal" physical relationship/s between the given state of Entropy found within all of the exhaustive spatial pixels of a given Physical System in a particular UF's frame/s and the corresponding state of Entropy (within those exhaustive spatial pixels) found at a subsequent later UF's frame/s?! But, we've already seen that any such "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or

other UF's frame/s is negated by the UCP's simultaneous computation of all exhaustive spatial pixels for each consecutive UF's frame/s, and the complete "dissolution" of the whole universe "in-between" any two consecutive UF's frames! Therefore, according to this New "G-d's Physics" Paradigm the Second Law of Thermodynamics is negated – instead, pointing at the "A-Causal Computation" characteristics of the UCP's simultaneous computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s!

Yet another instance in which this New "G-d's Physics" Paradigm completely revises our basic theoretical understanding of the manner in which this singular higher-ordered UCP simultaneously computes all exhaustive spatial pixels in the universe is its principle negation- and rejection- of the Old "Material-Causal" Paradigm's Quantum Mechanical theoretical account of the "collapse" of the subatomic "target's (assumed) probability wave function" – as "caused" by its direct physical interaction with another corresponding subatomic "probe" element; Once again, since this probabilistic interpretation of QM assumes that there exist a direct physical interaction between a given subatomic "probe" element and a corresponding subatomic "target's probability wave function", e.g., which "causes" the "collapse" of the "target's probability wave function" into a singular "complimentary (space/energy, mass/time) value", then this is negated by the New "G-d's Physics" insistence upon the "simultaneity" of the UCP's computation of all exhaustive spatial pixels in the physical universe (for each consecutive UF's frame/s)! Instead, the New "G-d's Physics" Paradigm posits that this singular higher-ordered UCP simultaneous computation of all exhaustive spatial pixels (for each consecutive UF's frame/s) also includes all "*single* spatial-temporal *particle*", "*multiple* spatial-temporal *wave*", and "*exhaustive* spatial-temporal *Frame*" computational measures, and that the apparent "collapse" of the "probability wave function" – really represents the UCP's alternate computation of such "*single* spatial-temporal *particle*" or "*multiple* spatial-temporal *wave*" entities embedded within its exhaustive simultaneous computation of all exhaustive spatial pixels comprising the entire physical universe (for each consecutive UF's frame/s)...Additionally, the apparent "collapse" of the "target's probability wave function" into a single "complimentary" (space/energy, mass/time) value – truly represents merely the complimentary computational characteristics of the UCP's computation of each exhaustive spatial pixel's "Frame"- "consistent" ("space") or "inconsistent" ("energy") and "Object" – "consistent" ("mass") or "inconsistent" (time") four basic physical features (as described above and previously).

Indeed, the New "G-d's Physics" theoretical conceptualization of the physical universe – as existing only "transiently" and "phenomenally", as a mere manifestation of the singular higher-ordered "Universal Computational/Consciousness Reality" (UCP)

completely revises our basic understanding of the origin-sustenance- and evolution- of every exhaustive spatial pixel in the physical universe as well as its entirety! The universe was not "created" by an initial "Big-Bang" nuclear event, but is rather being continuously simultaneously computed, "dissolved", re-created and "evolved" for each of its constituting exhaustive spatial pixels by this singular higher-ordered UCP! In fact, according to this New "G-d's Physics, the whole conception of the universe's "origination" – so many Billions of times per second, what's "sustaining" and "evolving" every exhaustive spatial pixel within it (as well as the entire cosmos) is only the singular higher-ordered "Universal Consciousness Reality" – which possesses certain intrinsic properties and characteristics, including:

1. The UCP's "Dynamic-Equilibrium" Moral Principle (delineated above).
2. The UCP's "Reversed-Time Goal Hypothesis" – "Geula" Directed Universe! (delineated above)
3. The UCP's "Good-Will" and "Free-Will" Characteristics: As preciously delineated, it is hypothesized that characterizing this singular, higher-ordered UCP are two basic fundamental properties, e.g., the UCP basic "Good-Will" to create "life", sustain and evolved it, to sustain and evolved the universe towards its ultimate "Perfected Geula State" (Morally, Spiritually and even Physically) ; and the complete "Free-Will" of this singular higher-ordered UCP – i.e., "unbound" by any of the apparent "physical laws" that it has organized the physical reality to appear to abide and operate through... Indeed, this complete "Free-Will" and "Good-Will" fundamental characteristics of this singular higher UCP are directly implied from the complete "dissolution" of the entire physical universe between one UF's frame and the subsequent UF's frame, and principle impossibility of the existence of any direct or indirect physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames! This means that the UCP Itself is "unbound" by any "material-causal" physical laws – and in fact, that the entire existence-continuity- and evolution- of each and every exhaustive spatial pixel in the universe is only a manifestation of this singular higher-ordered "Good-Will" (and "Free-Will") characterization...

### 3. Deciphering 21<sup>st</sup> Century Physics' "Dark-Matter" & "Dark Energy" Enigma

We thus see that some of the most basic fundamental assumptions of the Old "Material-Causal" Physics Paradigm of 20<sup>th</sup> Century RT & QM are completely challenged, revised and indeed "transcended" through the discovery of the New 21<sup>st</sup> Century "G-d's Physics" (CUFT) Paradigm! No longer can we regard the universe as being originated by an initial "Big-Bang" nuclear event – since this is based on the Old "Material-Causal" Paradigm's basic assumption wherein it is through the

direct physical interaction/s between certain exhaustive spatial pixels (within the universe) that a given physical phenomenon can be explained; Nor can we (any longer) explain the subatomic "complimentary" ("space/energy" or "mass/time") properties of any subatomic "target's" (assumed "probability wave function") as determined by its direct physical interaction/s with another corresponding subatomic "probe" element – which "causes" the "collapse" of the target's (assumed) "probability wave function"; this is (once again) due to the New "G-d's Physics" Paradigm's negation of the very possibility of the existence of any direct (or even indirect) physical interaction between at least two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frame/s, e.g., due to the simultaneity of the UCP's computation of all exhaustive spatial pixels comprising any single UF frame (and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frames); Likewise, the Relativistic conception of the fundamental dynamics determining the evolution of the physical universe – as described by "Einstein's Equations" was also negated, since it is based on the same basic "Material-Causal" assumption wherein it is assumed that it is the direct physical interaction between certain "massive objects" and "Space-Time" which "causes" the "curvature" of "Space-Time", which (in turn) determines (or "causes") the "Travelling-Pathways" of these "massive" and other "less-massive" objects!.

But, this means that "G-d's Physics" New Paradigm challenges- negates- and transcends- all of the basic theoretical constructs associated with the Old "Material-Causal" Paradigm – including its principle negation of the (purely hypothetical) existence of "Dark-Matter" and "Dark-Energy", e.g., which is assumed to comprise up to 95% of all of the mass and energy in the physical universe!?! This is because, once again, these (purely hypothetical) theoretical constructs) of "Dark-Matter" and "Dark-Energy" are based on the fundamental "Material-Causal" assumption, i.e., assuming that it is the direct physical interaction/s between these "Dark-Matter" and "Dark-Energy" (hypothetical) entities and the various galaxies, stars etc. which "causes" these various components of the physical universe to be "expunged" or "propelled" in such a manner which increases the entire physical universe's "accelerated rate of expansion"... But, as we've already seen, due to "G-d's Physics" New Paradigm's insistence upon the UCP's "simultaneous" computation of all exhaustive spatial pixels in the universe (for each consecutive UF's frame/s), and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frame/s, therefore there cannot exist any such direct (or even indirect) physical interaction/s between any such (purely hypothetical) "Dark-Matter" and "Dark-Energy" and any other single/multiple exhaustive spatial pixel/s in the universe, hence negating the very existence of "Dark-Matter" or "Dark-Energy", i.e., as "causing" the accelerated expansion of the physical universe!.

Nevertheless, 21<sup>st</sup> Century Theoretical Physics New "G-d's Physics" Paradigm 20<sup>th</sup> must provide an alternative (satisfactory) theoretical explanation for the "true nature" of the previously hypothesized "Dark-Matter" and "Dark-Energy" purely hypothetical constructs; Indeed, akin to Einstein's "discarding" of the (purely hypothetical) "Ether" concept assumed by Newtonian Physics to pervade the entire physical universe – which has led to discovery of 20<sup>th</sup> Century Physics' (then) "New Paradigm" of Relativity Theory, the New 21<sup>st</sup> Century "G-d's Physics" Paradigm replaces the (purely hypothetical) "Dark-Matter" and "Dark-Energy" concepts with the discovery of the singular higher-ordered Universal Computational/Consciousness Principle (or Universal Consciousness Reality); Based on the unravelling of the singular, higher-ordered UCP (UCR), which continuously (and simultaneously) computes- "dissolves"- re-computes and evolves- every exhaustive spatial pixel in the universe, e.g., for each consecutive UF's frame at the "unfathomable" rate of " $c^2/h = 1.36^{-50}$  sec' (!) the New "G-d's Physics" Paradigm; alongside some of the other key "Theoretical Postulates" (outlined above) such as the "Computational Invariance Principle" and associated "Universal Consciousness Reality", which indicate that only the singular higher-ordered "Universal Consciousness Reality" (UCR) that exists both "during" its sole computation of every exhaustive spatial pixel's four basic physical features (of "space" and "energy", or of "mass" and "time") and also solely exists (without the "presence" of any physical universe "in-between" any two consecutive UF's frames) – indicating that only this singular higher-ordered UCR may be considered as "real", "continuous" and "constant" (e.g., "computationally-invariant"), whereas the existence of the entire physical universe may only be deemed as a "transient-phenomenal" manifestation of this singular "Universal Consciousness Reality"; The New "G-d's Physics" Paradigm reveals the real origin- ("dissolution")- sustenance- and evolution- of each exhaustive spatial pixel in the universe, as well as of the accelerated expansion of the entire physical universe – as solely produced by this singular higher-ordered UCP/UCR! Indeed, when we begin realizing that the whole existence- "dissolution"- re-computation- and evolution- of every exhaustive spatial pixel in the universe is solely dictated and governed by this singular higher-ordered UCR, and that in fact the entire physical universe does not exist as an "objective-independent" "material reality", but rather represents a "transient-phenomenal" manifestation of this singular, higher-ordered UCR; the real sole and singular "unchanging" UCR – which manifests within the physical universe "during" each consecutive UF's frame, and solely remains (without the physical universe) "in-between" any two consecutive UF's frames is being realized!.

Indeed, several previously published articles pointed at "G-d's Physics" New Paradigm's realization of the fact that the whole entire physical universe is nothing but a

manifestation of this singular higher-ordered UCR – e.g., that the entire physical universe (with all of its multifarious physical phenomena and exhaustive spatial pixels) does not exist as an "independent (objective) reality", but is rather only a "transient-phenomenal manifestation" of this singular higher UCR! Hence, even the "tiniest" apparent "material components" of the physical universe (including all subatomic particles, components etc. as indicated by the "Standard Model") merely represent "transient-phenomenal" computations (e.g., manifestations) of the singular, higher-ordered UCR! None of the subatomic rudimentary particles and sub-particles etc. exists as an "objective-independent reality" – in fact their only "transient-phenomenal" existence is completely dependent upon- produced- "dissolved"- "re-produced- and evolved- solely by this singular higher-ordered UCR, so that we may state that none of these subatomic elements "exists" as a "real-independent" entity (or "reality"), but rather only represents a "transient-phenomenal" manifestation of this sole and singular UCR! This implies that the whole physical universe – i.e., from its "tiniest" subatomic particles, or entities to its largest "relativistic" phenomenon of the accelerated expansion of the universe can (no longer) be regarded as originating- existing or evolving based on mere physical or material (direct or indirect) interactions, but is rather solely dependent upon the singular higher-ordered UCR: its characteristics, features and basic "driving" tendencies! Indeed, since it was indicated that this singular higher-ordered UCR's manifestation of the entire physical universe is "driven" towards its "Ultimate-Goal" of a "Perfected State" (termed in the Jewish Tradition: "Geula")- "Morally", "Spiritually" and even "Physically" (e.g., with the possible abolishment of "death") based on the "UCR's Reversed-Time Goal Hypothesis", therefore the New "G-d's Physics" 21<sup>st</sup> Century Paradigm points at the existence of a "New Atom" – i.e., comprising the continuous (and incessant) computation carried out by this singular higher-ordered UCP/UCR of every exhaustive spatial pixel in the universe, and "Purposeful Universe" – e.g., a universe that has been originated- "dissolved- recomputed and evolved from its very conception solely towards the manifestation of ever more "expansive" manifestations of "Consciousness" (from the basic "inanimate" forms through "animate": "plants", "animals" and "Human-Beings" – leading up to the "expanded form of Human Consciousness" which is "inseparable" from the UCR) and ultimately towards the UCR's "Ultimate Goal" of "Geula": a "Perfected" Spiritual, Moral and Physical State of the universe, in which the singularity of the UCR as comprising and manifesting throughout the whole universe in all of these inanimate, animate" plants, animals and Human-Beings forms, highlighting its basic fundamental "Good-Will", "Peace", "Harmony" and "Goodness" features...

Indeed, viewed from such a high and profound new "G-d's Physics" Paradigm's theoretical perspective, the "enigma" of the "true nature" of "Dark-Matter" and

"Dark-Energy" is deciphered: according to this New "G-d's Physics" Paradigm the true nature of "Dark-Matter" and "Dark-Energy" does not comprise any detectable "material" entity, but rather comprises this singular higher-ordered UCR's incessant and continuous "drive" towards Its Ultimate "Geula" State, which manifests though its accelerated addition of the number of exhaustive spatial pixels comprising each consecutive UF's frame/s – specifically at such special "Collective Human Consciousness Focus" times as the Jewish "Rosh Hashana" (New Year) interval, in which Millions of Jews collectively focus on this "Universal Consciousness Reality" ("G-d"!); which brings about a "non-continuous" increase in the UCR's accelerated expansion of the universe (e.g., a "non-continuous" increase in the UCR's accelerated increase in the number of additional exhaustive spatial pixels to each consecutive UF's frame/s!) Hence, one of several unique "G-d's Physics" New Paradigm's "Critical Predictions" – which has been called for (multiple times!) is the measurement of a "Non-Continuous Accelerated Expansion" of the physical universe at the Jewish "Rosh-Hashana" special time interval, which was predicted to increase the universe's accelerated rate of expansion beginning at each Jewish "Rosh-Hashana" New Year!

#### 4. A Call for Validating "G-d's Physics" New 21<sup>st</sup> Century Paradigm's "Critical Predictions"!

Indeed, "G-d's Physics" New Paradigm's discovery of the "true nature" of "Dark-Matter" and "Dark-Energy" – not as comprising any "material" entity, but as representing the continuous (simultaneous) computation of the UCP simultaneously of every exhaustive spatial pixel in the universe (for each consecutive UF's frame); And specifically, of the UCP's accelerated addition of the number of exhaustive spatial pixels comprising each such consecutive UF's frame/s – which undergoes a "Non-Continuous Acceleration" at each Jewish New Year ("Rosh-Hashana"), e.g., due to "G-d's Physics" postulated "Collective Human Consciousness Focus" (as delineated previously) – constitutes one of several unique "Critical Predictions" differentiating this New "G-d's Physics" Paradigm from the (corresponding) predictions of the Old "Material-Causal" Paradigm;

##### a) "G-d's Physics" Critical Prediction: The "Universe's Non-Continuous Accelerated Expansion During Rosh-Hashana" (Jewish New Year) (UNCAE-RH)

As stated above (and delineated previously), according to "G-d's Physics" New Paradigm's "Collective Human Consciousness Focus Hypothesis" whenever there is a "Collective Human Consciousness Focus" upon the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) – i.e., such as predicted during the "Jewish New Year's" ("Rosh-Hashana") two-day special time-interval in which Millions of Jews from around the world focus single-mindedly and pray (intensely) to this singular higher-ordered UCP ("G-d"!), then this may bring about a "Non-

Continuous Accelerated Expansion of the Universe"! This means, that during this "special time" of the Jewish "Rosh-Hashana", "G-d's Physics" predicts that there will be a "non-continuous" significant increase in the universe's observed accelerated rate of expansion, i.e., relative the accelerated rate of the universe's expansion measured prior to the (specific) Rosh-Hashana time-interval (which is predicted to continue at the same "new increased accelerated rate" throughout the new Jewish Year)! It is important to note that there has been a repeated call for all Cosmologists and Astronomers – consistently (now) for the past three years during "Jewish-New Year: Rosh-Hashana" to empirically test this unique "Critical Prediction" of the New "G-d's Physics" – but to date, no such empirical measurement has been carried out?! As stated in one of the last articles published, Science's sole "Mandate" – as Humanity's designated "vehicle" for "discovering Truth" is to advance Humanity's knowledge and understanding of the physical reality (and beyond) based on the fundamental "Scientific Method", e.g., initially laid out by Descartes and subsequently crystalized through Thomas Kuhn's famous analysis of "The Structure of Scientific Revolutions" (1962); That is, to advance the Scientific knowledge within a given Scientific discipline based on the collection of "objective-empirical" data and associated acceptable "logical inference" methodology in order to validate a given "Scientific Standard Paradigm" – which has been proven to best "fit" and "explain" this given plethora of empirical data and phenomena etc. However, when Science (subsequently) reaches the "limitations" of any such "Standard Paradigm" (within a given Scientific discipline), i.e., manifest in the appearance of basic "theoretical inconsistencies" within the pillars of that given "Standard Paradigm", and additionally there exists a series of "unexplained" empirical phenomena or data – that cannot be adequately explained (or accounted for) by that "Standard Paradigm"; then Kuhn states that Science must undergo a fundamental "Paradigmatic-Shift" from the "Old Standard Paradigm" to a "New Paradigm", which is shown capable of resolving these apparent "theoretical inconsistencies" and can also adequately explain these "unexplained empirical phenomena"!

Well, 21<sup>st</sup> Century Theoretical Physics has reached such a "pivotal point" along its "historic" development – of an urgent need for a fundamental "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm of 20<sup>th</sup> Century's Relativity Theory and Quantum Mechanics to the New "G-d's Physics" Paradigm! And the only manner in which (according to Kuhn's famous and widely accepted analysis) is based on its empirical validation of such unique "Critical Predictions" differentiating this New "G-d's Physics" Paradigm from the corresponding predictions of either Relativity Theory or Quantum Mechanics, e.g., which could not account for this "G-d's Physics" predicted "Universe's Accelerated Non-Continuous Expansion During 'Rosh-Hashana'"! Therefore, for Science to "retain" and "justify" it's

"stature" as Humanity's designated "vehicle" for exploring and discovering the "true" nature of the physical universe (and of Humanity's special "role" within it) – it must (expediently) carry out these necessary empirical measurements validating this unique "Critical Prediction" of the New "G-d's Physics", as well as all other (below delineated) unique "Critical Predictions"!

**b) "G-d's Physics" Critical Prediction: "Disappearance of the Physical Universe "In-Between" Any Two Consecutive "Universal Frames"!?**

Another (rather) "surprising" and "fascinating" unique "Critical Prediction" of "G-d's New Paradigm regards the "disappearance" of the physical universe "in-between" any two consecutive "Universal Frames"!? This is because according to this New "G-d's Physics" Paradigm, the UCP simultaneously computes all exhaustive spatial pixels comprising the entire physical universe for each consecutive "Universal Frame" (UF) – whereas "in-between" any two consecutive UF's frames, the entire physical universe "dissolves" back into the singularity of this higher-ordered UCP! This means that if we were to measure the existence of any given subatomic particle (such as the "electron" or "Muon" particles) "in-between" any two consecutive UF's frames, we would "fail" to detect them at the "minimal temporal gap" "in-between" any two consecutive UF's frames! Since according to the New "G-d's Physics" Paradigm, the rate at which this singular higher-ordered UCP (simultaneously) computes the extremely rapid series of UF's frames is given through "G-d's Physics" New Paradigm's discovered "Universal Computational Formula" (mentioned above) as  $c^2/h = 1.36^{-50}$  sec! Therefore, another unique "Critical Prediction" of "G-d's Physics" New Paradigm is that "in-between" any two consecutive UF's frames, e.g., computed at the unfathomable extremely rapid rate of  $c^2/h = 1.36^{-50}$  sec, the measurement of any given subatomic particle (such as the "electron" or "Muon") would fail to detect them – whereas "during" each consecutive UF's frame/s these\* (or any other) subatomic particle/s could be easily detected or measured!

**c) "G-d's Physics" Critical Prediction: Greater Number of Universal Frames (UF's) Detecting The Presence of "More Massive" Particles than for "Less Massive" Particles!**

\*In fact, due to "G-d's Physics" New Paradigm's unique new computational definitions of the four basic physical features of "space" and "energy", "mass" and "time" – as representing different UCP's computations of "Frame"- "consistent" or "inconsistent", or "Object" – "consistent" or "inconsistent" values for each of the exhaustive spatial pixels comprising any subsequent UF's frame/s; another closely associated "Critical Prediction" of the New "G-d's Physics" Paradigm predicts that there will be a greater number of UF's frames at which a relatively "More Massive" particle (e.g., such as the "Muon") would be

detected, then at which a "Less Massive" particle (such as the "electron")! This is specifically due to the UCP's computational definition of "mass" as the number of times in which any given "object" is presented "consistently" across a given series of UF's frames – which implies that a relatively "More Massive" particle such as the "Muon" would necessarily be measured across a greater number of UF's frames, than a relatively "less massive" particle such as the "electron"!?

Taken together, these two recent "Critical Predictions" of the New "G-d's Physics" Paradigm predict that when we measure (and compare) the presence of a relatively "More Massive" Muon particle to that of the "Less Massive" electron particle (through the "Fine-Temporal Measurements of a Subatomic Accelerator), we would find that:

1. There will be a greater number of UF's frames at which the "More Massive" Muon particle would be detected than at which the "Less Massive" electron particle would be detected!;
2. That for both of these Muon and electron particles – and in fact pertaining to any other subatomic particle/s, these subatomic particles could NOT be detected "in-between" any two subsequent UF's frames (e.g., due to the "dissolution" or disappearance" of the entire physical universe "in-between" any two consecutive UF's frames back into the singularity of the UCP!)

**5. Theoretical Implications: True Nature of "Dark-Matter" & "Dark-Energy"!**

We thus reach the culmination of our quest to discover (and "unravel") the "True Nature" of "Dark-Matter" and "Dark-Energy"; Twenty-first Century Theoretical Physics is undergoing a basic "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying Relativity Theory and Quantum Mechanics to the New "G-d's Physics" Paradigm! This is due to the "Paradigmatic-Crisis" characterizing the "fissures" and "theoretical inconsistencies" found between these two "pillars" of the Old (20<sup>th</sup> Century) "Material-Causal" Paradigm (as characterized by Kuhn's famous analysis of the "Structure of scientific Revolutions", as stated above) – leading up to the identification- and ultimate empirical validation- of particular "Critical Predictions" differentiating this New "G-d's Physics" Paradigm from the Old "Material-Causal" Paradigm! Indeed, the empirical validation of any one of the three "Critical Predictions" specified in this article (and previously called for – for three consecutive years, without any Astronomer or Cosmologist taking on to carry out an empirical validation of the "Universe's Non-Continuous Accelerated Expansion During Rosh-Hashana!") is necessary and in fact "critical" for Science retaining and "justifying" its sole "mandate" to advance Humanity's "objective-quest" to discover the "True Nature of the universe and physical reality...

Based on the theoretical discovery of Twenty-first Century Theoretical Physics' New "G-d's Physics" Paradigm – which negated the possibility of the existence of any direct (or even indirect) physical interactions between any two (or more) exhaustive spatial pixels existing either in the same- or different-UF's frame/s, the basic "Material-Causal" assumption of the Old Paradigm underlying both Relativity Theory and Quantum Mechanics has been negated and rejected! Hence, it was shown that since the singular higher-ordered UCP simultaneously computes all exhaustive spatial pixels in the universe (for each consecutive UF's frame/s) therefore the physical universe may have not been originated or "caused" by an initial "nuclear event", nor is it "propelled" by the direct physical interactions between certain "massive objects" and their "curvature" of "Space-Time" (and conversely the determination of such "massive"/"non-massive" objects based on this stipulated "curvature of Space-Time"), e.g., as assumed by General Relativity's "Einstein's Equations"! Likewise, the Old "Material-Causal" assumption underlying Quantum Mechanics – i.e., wherein the determination of any subatomic "target's complimentary" (space-energy or mass-time) values is assumed to result from the direct physical interaction of the subatomic target's assumed "probability wave function" with a corresponding subatomic "probe" element which "causes" the "collapse" of this hypothetical "target's probability wave function" into a single "complimentary" ("space/energy" or "mass/time") value has been negated and rejected by the New "G-d's Physics" Paradigm.

Instead, the New "G-d's Physics" Paradigm stipulates that the singular higher-ordered UCP simultaneously computes all of the universe's exhaustive spatial pixels for each consecutive Universal Frame – e.g., giving rise to the four basic physical features of each of these exhaustive spatial pixels (across a series of UF's frames); Significantly, this New "G-d's Physics" has been shown capable of resolving the apparent "theoretical inconsistency" that seems to exist between Relativity Theory and Quantum Mechanics, e.g., through its discovery of the UCP's "single spatial-temporal *particle*", multiple "spatial-temporal *wave*" computational measures – which are embedded within the UCP's simultaneous computation of all exhaustive spatial pixels comprising any single or multiple UF's frames! Moreover, this New "G-d's Physics" Paradigm was shown to "replicate" or account for all major "Relativistic" or "Quantum" phenomena – and more significantly also offer a satisfactory alternative explanation for the "unexplained" phenomenon of the accelerated expansion of the physical universe, and decipher the "true nature" of "Dark-Matter" and "Dark-Energy"! Simply stated, in the same manner that this New "G-d's Physics" Paradigm has rejected and negated all of the Old "Material-Causal" assumed theoretical constructs assuming that there exists direct physical interaction/s between any two (or more) exhaustive spatial pixels (e.g., including the above mentioned "Big-

Bang" Model, Einstein's Equations' "Material-Causal" assumption, Quantum Mechanics' "probabilistic interpretation" etc.) – so does this New "G-d's Physics" Paradigm negate the existence of "Dark-Matter" or "Dark-Energy" as a "real" "material entity"!? Indeed, in much the same manner in which Einstein discarded 19<sup>th</sup> Century Physics' ("purely hypothetical") "Ether" concept as "superfluous", i.e., "non-existent" – since it could not be detected empirically (despite numerous attempts to do so), so does the New "G-d's Physics" Paradigm, so does the New "G-d's Physics" Paradigm negate the existence of a "Dark-Matter" or "Dark-Energy", e.g., as any "material" element which "causes" the accelerated expansion of the physical universe (also due to the failure of Physics to directly detect or measure the existence of any such "purely hypothetical" "Dark-Matter" or "Dark-Energy" despite numerous failed attempts).

Instead, the New "G-d's Physics" Paradigm offers a new alternative (and exciting) theoretical explanation of the "true nature" of "Dark-Matter" or "Dark-Energy": Succinctly stated, that would relate to- or point at- the operation of the singular higher-ordered "Universal Consciousness Reality" (UCR) which simultaneously computes every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{50}$  sec'!) The empirically observed accelerated rate of the universe's expansion – is not due to any "material" substance such as "dark-matter" (or "dark-energy") but is rather the result of the singular higher-ordered "Universal Consciousness Reality's" (UCR) accelerated addition of the number of exhaustive spatial pixels comprising each consecutive UF's frame/s! More specifically, this UCR's (or UCP's) accelerated addition of the number of additional exhaustive spatial pixels (e.g., added to each subsequent UF's frame/s) is stipulated to be connected with the Jewish New Year's ("Rosh-Hashana") "special time interval" – based on "G-d's Physics" additional "Collective Human Consciousness Focus Hypothesis" (CHCFH); According to this new "Collective Human Consciousness Focus Hypothesis" (CHCFH) whenever there is a focus of a significant multitude of Individual Human Consciousness upon this singular higher-ordered UCR (UCP) this brings about a significant "non-continuous" increase in the UCR's rate of accelerated expansion of the physical universe! Therefore, it was predicted that at every consecutive Jewish New Year ("Rosh-Hashana") there will be a detectable "non-continuous" increase in the universe's recorded "Accelerated Rate of Expansion"! To the extent that this unique "Critical Prediction" of the New "G-d's Physics" Paradigm will be validated empirically, then this will unequivocally lead to the recognition of this New "G-d's Physics" as the New 21<sup>st</sup> Century Scientific Paradigm (e.g., as the fulfillment of this unique prediction cannot be explained or accounted for by either of the Old "Material-Causal" Paradigm's Relativity Theory or Quantum Mechanics Models)!

Indeed, some of the far reaching (and exciting) theoretical ramifications of this New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics is associated with the unravelling of the "true nature" of "Dark-Matter" or "Dark-Energy" which is the UCR's "driving" of the entire physical universe towards its "Ultimate Goal" of the (Physically, Morally and Spiritually) "Perfected" "Geula State" (e.g., previously delineated); According to this new stipulated "G-d's Physics" "UCR's Reversed-Time Goal Hypothesis", the UCR possesses an "Ultimate Goal" of bringing our own world (and the entire physical universe) to a "Morally", "Spiritually" and even "Physically" "Perfected" State of "Geula" – i.e., a state in which this singular, higher-ordered, "unitary" UCR will be recognized (and experienced) by all Individual Human Consciousness (human-beings) which means that Humanity will recognize the singularity and unity of all creation, its complete and sole dependence upon the operation and sole existence of this singular higher-ordered UCR; subsequently, there could not exist any (acceptable) manifestations of "Immoral Actions" of one Individual Human Consciousness against another Individual Human Consciousness – e.g., based on the UCP/UCR's (earlier discovered and above mentioned) "Moral Dynamic-Equilibrium" Principle (which "balances" and "corrects" any such "Immoral Balance"); This "Perfected Geula State" will also be characterized by Humanity's recognition, gratitude and collective focus upon this singular higher-ordered UCR – being recognized for its "Goodwill", "Free-Will" Striving towards such a Perfected "Geula" State... (It may also be characterized by the "Perfection" of even the "Physical" existence – with the possible "Abolishment of Death" based on Science's and Humanity's higher-understanding of the true nature of "Time" (including the viable possibility of "time-reversal") and it's "Inseparability" from this singular, all exhaustive UCR!) So, it seems that the acceptance of this New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Physics may indeed bring about the beginning of this Ultimate "Geula State" – with Science's acceptance of the singularity of the UCR's origination, sustenance, and Ultimate "Geula" Goal of this singular higher ordered UCR!

**Dedication:** This article is dedicated to my beloved wife, Shulamit and my sons: Shoham and Nethanel and daughter Neomy Tirza Shulamit, may each one of them bring Light to this World in their unique special way. Amen! This article is also dedicated in memory of dear beloved Ms. Diana Raz, who shed so much light and Goodness in the lives of so many couples but whose own life was stumped at such an early age leading behind four innocent children, may her Memory Blessed and may her Soul ascend to Paradise (where she belongs)... This article is also dedicated in memory of dear beloved Mrs. Diana Raz, who shed so much light and Goodness in the lives of so many couples but whose own life was stumped at such an early age leaving behind four

innocent children, may her Memory Blessed and may her Soul ascend to Paradise (where she belongs)...

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## 'G-D'S PHYSICS NEW 21<sup>ST</sup> CENTURY PARADIGM: FROM "LAW" TO "MERCY"!

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### ABSTRACT

Twenty-first Century Physics is undergoing a Major "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "A-Causal Computation" (ACC) Paradigm associated with the "Computational Unified Field Theory" (CUFT), also called: "G-d's Physics". Based on the CUFT's discovery of a new singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe for each consecutive "Universal Frame" (UF) at the incredibly rapid rate of  $c^2/h = 1.36^{-50}$  (sec)! this New 'A-Causal Computation' Paradigm of 21<sup>st</sup> Century Theoretical Physics dramatically revises some of the basic assumptions underlying the Old "Material-Causal" Paradigm: It challenged and revised the "Big-Bang" Model, Einstein's Equations, and discarded "dark-matter" and "dark-energy" as being "superfluous" (i.e., non-existent!) due to the UCP's simultaneous computation of all exhaustive spatial pixels for each consecutive UF's frame/s! Based on another "Computational Invariance Principle" postulate of this New 21<sup>st</sup> Century 'G-d's Physics' Paradigm asserting that only the UCP may be regarded as "computationally-invariant", whereas the four basic physical features of "space", "energy", "mass" and "time" can only be considered as "transient", "phenomenal" ("computationally-variant") manifestations of this singular higher-ordered UCP; it is derived that the entire physical universe is governed solely based on the characteristics of this singular higher-ordered "Universal Consciousness Reality" (UCP) – one of which is "Goodwill", e.g., the propensity to sustain all Life, to bestow "Goodness" and evolve the entire universe towards an ultimate Perfected State (Physically, Morally and Spiritually), called "Geula" in Jewish Tradition.

### 1) Introduction: Twenty-first Century Physics 'G-d's Physics' Paradigmatic-Shift! "Paradigmatic-Crisis"

Twenty-first century Theoretical Physics finds itself in a basic "Paradigmatic-Crisis" akin to the state of Physics over 100 years ago, e.g., prior to Einstein's 1905 & 1919 Relativity Theory "Paradigmatic-Shift"! In order to perhaps better understand the basic nature, dynamics and "evolution" of Science, we have to revert back to Thomas Kuhn's famous historic analysis of the "Structure of Scientific Revolutions" (1962): what Kuhn discovered was that Science does not evolve "linearly", i.e., continuously within the same Scientific Paradigm – rather, it evolves through alterations between periods of "Standard Science" in which a particular Scientific discipline advances its knowledge based on a given known Scientific Paradigm, and periods in which that 'Standard Paradigm' does not suffice, any longer to adequately describe the physical reality and a 'New Paradigm' is called for in order to account for accumulating "unexplained phenomenon" (by the Old 'Standard Paradigm') and which can resolve any major "Theoretical Inconsistencies" that exist in the Old Paradigm! Kuhn also brought Science into the awareness

that scientists are (after all) human-beings who seem to be "afraid" of making such necessary "Paradigmatic Shifts"! Nevertheless, Science has to evolve and provide Humanity with an ever closer understanding of Truth, and it does so by a rigorous Scientific Method combining replicable empirical data and logical (mathematical) explanations!.

### 2) G-d's Physics New Paradigm: From "Reductionism" to "Exhaustiveness"!

The New 'G-d's Physics' Paradigm seems to extend (and transcend) the strict confining boundaries of the Old 'Material-Causal' Paradigm; This is because wherein the Old 'Material-Causal' Paradigm advocated that it only based on direct physical interactions between certain "massive objects" and their curvature of "Space-Time" – that the dynamics and evolution of the physical universe can be explained, or that it is only based on the direct physical interaction between a given subatomic "probe" element and a corresponding subatomic target's "probability wave function" – that this target's 'probability wave function' "collapses" into a singular (measured complimentary) target value is arrived at; according to the New 'G-d's Physics' Paradigm, there

cannot exist any such direct physical interaction – e.g., either at the macroscopic relativistic level or at the microscopic subatomic quantum level; simply because the singular (higher-ordered) "Universal Computational/Consciousness Principle" (UCP) simultaneously computes all exhaustive spatial pixels in the universe for each consecutive Universal Frame/s (UF's)!? Moreover, as stated above (and previously), since the New 'G-d's Physics' (Computational Unified Field Theory, CUFT) Paradigm postulates that the entire physical universe "dissolves" "in-between" any two consecutive UF's frames (back into the singularity of the UCP), therefore there cannot be any "transference" of any "physical effects" or any "material-entity" across any two consecutive UF's frames!.

This was indeed the basis for 'G-d's Physics' New Paradigm's rejection and negation of the basic 'Material-Causal' assumptions underlying RT's and QM's Old Paradigm, including: the 'Big-Bang' Model, which assumes that the whole universe originated (or was "caused" by) an initial nuclear explosion – which is assumed to have created all "suns", galaxies, planets, space, mass energy etc. The 'Big-Bang' Model was challenged and rejected based on the UCP's simultaneous computation of every exhaustive spatial pixel in the universe for each consecutive UF's frame – which negates the very possibility of any direct physical interaction between any two (or more) exhaustive spatial pixels comprising the entire physical universe! And also due to the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frames – which also negates the possibility of the transference of any 'physical effects' or any 'material-entities' across consecutive UF's frames, e.g., such as the continuous expansion and "expulsion" of the Big-Bang's assumed initial nuclear explosion and ensuing continuous creation- and expansion- of the whole (observed) physical universe! Likewise, this New 'G-d's Physics' Paradigm also challenged Einstein's Equations' basic 'Material-Causal' assumption wherein the continuous evolution of the physical universe is "caused" by the direct physical interactions between given "massive objects" and their "curvature" of "Space-Time", and vice versa that the determination of the "travelling-pathways" of these "massive" and other less-massive objects is "caused" by the "curvature of Space-time"!? This is once again, due to the simultaneity of the UCP's computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s – which negates the very possibility of the existence of any such direct "physical interactions" or "physical effects" of those 'massive objects' and their assumed "curvature of Space-Time" or between the assumed 'curved Space-Time' and its determination of the massive/less massive objects 'travelling-pathways'!? In the same manner the purely hypothetical concepts of "dark-matter" and "dark-energy" have been completely rejected as "superfluous", i.e. "non-existent"! This is because the emergence of these (purely hypothetical) "dark-matter" and "dark-

energy" concepts is associated with the empirically observed accelerated expansion of the physical universe – which is assumed to be "caused" by the presence of "dark-matter" or "dark-energy"!? But, if indeed the UCP simultaneously computes each exhaustive spatial pixel in the universe (for each consecutive UF's frame/s with the entire physical universe "dissolving" back into the singularity of the UCP "in-between" any two consecutive UF's frames), then there cannot exist any such "material-causal" direct physical relationships between these (purely hypothetical) "dark-matter" and "dark-energy" entities and the accelerated expansion of the entire physical universe!? Finally, the basic 'Material-Causal' assumption underlying QM's Model, wherein any measurement of any given subatomic 'target's probability wave function' involves the "collapse" of the target's 'probability wave function' is also directly being challenged by the New 'G-d's Physics' Paradigm: this is once again due to its insistence upon the UCP's simultaneous computation of all exhaustive spatial pixels in the universe (e.g., for each consecutive Universal Frame/s – with the entire physical universe being "dissolved" in-between any two such consecutive UF's frames back into the singularity of the UCP); Therefore, there cannot really exist any direct physical interaction between the subatomic 'probe' and 'target's (probability wave function) – at any single or multiple UF's frames, and there cannot be any "transference" of any "physical effect" taking place following any such ("non-existent) direct physical interaction between the subatomic 'probe' and 'target' elements – and the supposed "collapse" of the probability wave function (in a subsequent UF's frame/s)!?.

We therefore see that the basic "materialistic-reductionistic" assumption underlying the Old 'Material-Causal' Paradigm of both RT & QM is greatly challenged (and in fact negated!) by the New 'G-d's Physics Paradigm; we acknowledge the fact that this Old 'Material-Causal' Paradigm basic assumption wherein the origination- dynamics and evolution- of the physical universe, or any subsystem of it is determined based on direct physical interactions between relativistic "massive" objects and their curvature of 'Space-Time' (and vice versa the determination of the "travelling-pathways" of these "massive" or "less-massive" objects based on this curved 'Space-Time'); or at the subatomic level, the assumption that any observed subatomic "phenomenon" is the result of the "collapse" of the subatomic target's 'probability wave function' as "Caused" by its direct physical interaction with another corresponding subatomic "probe" element; that this basic 'Material-Causal' assumption is "invalid" – as there cannot exist any such direct physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different- Universal Frame/s, and moreover there cannot exist any "transference" of any "material effect" or any "material-entity/ies" across two consecutive UF's frames (as all exhaustive spatial pixels in the universe "dissolve" in-

between any two consecutive UF's frames!); This New 'G-d's Physics' basic challenging- and revision- of the Old 'Material-Causal' Paradigm basic assumption indeed was shown to possess far-reaching theoretical ramifications: first, it challenged the basic "Big-Bang" Model wherein the physical universe was created by an initial 'Big-Bang' nuclear explosion, e.g., as there could not have been any direct physical interaction/s between any such 'Big-Bang' nuclear explosion and any creation of any "massive-objects", suns, galaxies, planets, energy, space, etc.- either in the first- second- or any other consecutive Universal Frame/s!/? Likewise, General Relativity's Einstein's Equations' description of the curvature of 'Space-Time' by massive objects and it's determination of the travelling pathways of these massive objects was also negated by this New 'G-d's Physics' (CUFT) Paradigm. Similarly, the existence of "dark-matter" or "dark-energy" was also rejected and negated as "superfluous" or "non-existent" based on the impossibility of the existence of any such "material-causal" direct physical interactions between any such (purely hypothetical) "dark-matter" or "dark-energy" and any single or multiple exhaustive spatial pixels comprising the entire physical universe due to the simultaneity of the UCP's computation of all exhaustive spatial pixels in the universe for any consecutive Universal Frame/s!.

In contrast, the New 'G-d's Physics' Paradigm forces us to expand our "theoretical gaze" towards the higher-ordered singular "Universal Computational/Consciousness Principle" (UCP) – which can alone be responsible for the empirically observed relativistic, quantum or indeed UCP's "exhaustive" phenomena, laws etc.; If indeed, the New 'G-d's Physics' Paradigm is valid, then there cannot exist any relativistic or quantum subatomic direct (or even indirect) physical interactions between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames, as they are all simultaneously computed by the singular higher-ordered UCP! Therefore, instead of the Old 'Material-Causal' Paradigm which can only "reduce" any physical (relativistic or quantum) "phenomenon" to a subset of direct physical interactions comprising this phenomenon, the New 'G-d's Physics' Paradigm steers Physics (and Science, more generally) in the opposite theoretical direction of expanding- and raising- the theoretical explanation of any apparently "physical" phenomenon towards its singular higher-ordered UCP underlying computation of all exhaustive spatial pixels comprising the entire physical universe (for each "minimal time-point" UF's frame/s)!.

### 3) The "Cinematic-Film Metaphor" & "Computational Invariance Principle"

In order to better perhaps understand the gist of this New 'G-d's Physics' Paradigm, e.g., and its transcendence of the Old 'Material-Causal' "reductionistic" Model, it is appropriate to mention two key theoretical postulates of this New 'G-d's Physics' Paradigm: a) The "Cinematic-

Film Metaphor"; b) The "Computational Invariance Principle";

**The 'Cinematic-Film Metaphor':** attempts to illustrate the UCP's computation of the series of UF's frames comprising all exhaustive spatial pixels comprising the entire physical universe (for each consecutive UF's frame/s) through its comparison to the dynamics of a standard 'Cinematic-Film' mechanics: It indicated that in much the same manner that we could measure the "velocity" (or "energy") of any given object in the film based on a computation of the degree of its "displacement" across a series of UF's frames, as opposed to our measurement of its (unchanging) "spatial-dimensions" as the number of spatial-pixels which remain "constant" across a given number of film-frames; And akin to our film's potential measurement of the "temporal-value" of any given event or phenomenon (such as a man walking in the film) – which we could "slow-down" if we were to project the film's frames in a "slow-motion" mode in which the number of changes taking place in that man walking would be decreased and hence the "time-value" that seemed to have elapsed would be "slowed-down" as well; hence the "time-value" of that given phenomenon (of the man walking) would depend on the number of changes taking place within that object ("man walking") across a given number of film-frames... Conversely, we could create a "film-scenario" in which the perceived "mass" of any given object would be computed based on the number of times that object has been presented "consistently" (e.g., in the same manner) across a given number of film-frames (thereby "increasing its hue"); Indeed, this 'Cinematic-Film Metaphor' has been utilized in order to convey two (out of three) UCP's basic "Computational Dimensions", e.g., of "Framework" ('frame' vs. 'object'), 'Consistency' ('consistent' vs. 'inconsistent') – which when combined give rise to the four basic physical features of 'space' and 'energy', and 'mass' or 'time': it was suggested that the UCP simultaneously computes for all exhaustive spatial pixels in the universe these four basic physical features as: 'frame' – 'consistent' ('space') or 'inconsistent' ('energy'), or 'object' – 'consistent' ('mass') or 'inconsistent' ('time') UCP computations! This amazing discovery led to the complete unification of these apparently "distinct" physical features of the universe within a singular UCP "Universal Computational Formula":

**Universal Computational Formula (UCF)**

$$\left. \begin{matrix} c^2 \\ - \\ h \end{matrix} \right\} \text{UF's } \{ \aleph \dots \beth \dots \aleph \} = \frac{s}{t} * \frac{e}{m}$$

(Note: herein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through "ז " to "י") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec<sup>-1</sup>!).

Indeed, one of the fascinating facets of this New 'G-d's Physics' Paradigm is its far-reaching new understanding that these four basic physical features of the universe do not exist as "independent" (albeit "interconnected") features – but in fact represent four complimentary aspects of the UCP's singular (simultaneous) computation of the degree of Frame/Object & Consistent/Inconsistent computation for each and every exhaustive spatial pixel in the universe, e.g., comprising the series of UF's frame/s! No longer are *only* "space" and "time" connected (e.g., Space-Time) and "energy" and "mass" equivalent (e.g., "E = Mc<sup>2</sup>"); and "mass" assumed to "curve" "Space-Time" (e.g., as expressed in Einstein's equations); instead, for the first time in Theoretical Physics, all of these four basic physical features are found to be mere secondary computational properties of the singular UCP's simultaneous computation of the degree of "change" (consistency) or "lack of change" (inconsistency) computed for each exhaustive spatial pixel – pertaining to its own comprising features ('object'), or as relating to its features relative to the entire Universal-Frame ('frame')! Moreover, as shown previously, this singular, higher-ordered UCP 'Universal Computational Formula' (UCF) completely integrates fundamental 'relativistic' and 'quantum' features as integral parts of the UCF (as expressed in its "Relativistic" and "Quantum" Formats, delineated previously).

In this regard, the discovery of 'G-d's Physics' New Paradigm may also be said to fulfill "Einstein's vision" (e.g., and more generally Kuhn's delineation of the structure and nature of "Paradigmatic-Shifts") – wherein both Relativistic and Quantum laws and features are seen to comprise only "special-cases" within the broader

scope of 'G-d's Physics' New Paradigm's theoretical framework...

Perhaps one more important aspect of this 'Cinematic-Film Metaphor' may be worth mentioning (at this point) – regarding its explanation of the depiction of a (massive) "Mercury Ball" impacting a (delicate) "Glass-Jar" filled with water, which seems to "cause" the spillage of the water element (unto the floor); when watching such a given "film-scenario" of the 'Mercury-Ball' impacting the 'Glass-Jar', which seems to "cause" the spillage of the water – we are immediately under the impression that there exists clear "cause" and "effect" (direct) physical relationships between the impact of the 'Mercury-Ball' and its "causing" of the breakage of the 'Glass-Jar' and the subsequent spillage of the water... But, according to this 'Cinematic-Film Metaphor's' deeper analysis we find that – if we are to inspect each individual "film-frame" (and even more so – the intermittent "pure-light" found "in-between" every two consecutive frames), we will notice that there cannot exist any real direct physical interactions between this 'Mercury-Ball' and 'Glass-Jar' – at none of these consecutive 'film-frames'! This is because at none of these individual film-frames can there exist any direct physical interactions between any two (or more) exhaustive spatial pixels comprising the entire film-frame/s, as they are depicted simultaneously! Indeed, when we examine closely the rapid succession of these individual film-frames, we find that even though the relative 'spatial-configuration' of these 'Glass-Jar' and 'Mercury-Ball' is presented in ever greater 'spatial-proximity' across the series of film-frames (e.g., until their spatial "identification" in the particular film-frame in which the "Mercury-Ball" impacts the 'Glass-Jar'), still since these two objects are presented simultaneously in each film-frame, there cannot really exist any direct physical interaction/s between them! Indeed, the impossibility of the existence of any direct physical interactions between these two 'Mercury-Ball' and 'Glass-Jar' objects becomes even more apparent when we consider the fact that "in-between" any two consecutive film-frames, the entire film-frame "dissipates" (or "dissolves") into the "pure-light" that is presented, we realize that in reality, there cannot be any "transference" of any "physical effect" or even any "physical entity" across any two consecutive film-frames!.

The implied understanding derived from this 'Cinematic-Film Metaphor' regarding the New 'G-d's Physics' Paradigm is quite significant (and far-reaching): it implies that even though it may seem that certain physical "laws", "relationships" or even "phenomenon" exist at the relativistic or quantum levels – i.e., such as Einstein's Equations Relativistic "cause" and "effect" relationships between the existence of certain "massive objects" and their "curvature of Space-Time", or such as the assumed Quantum Mechanical "collapse" of the 'target's probability wave function' as "caused" by it being "impacted" by the corresponding subatomic 'probe'

element; we realize through this 'Cinematic-Film Metaphor' that in reality there cannot exist any such "real" direct physical relationships between any relativistic or quantum objects, particles, laws or phenomena!? Instead, when we follow (closely) the implied meaning of the 'Cinematic-Film Metaphor, we realize that it is only based on the Film's Director's "arrangement" of the particular order and "spatial-proximities" found in the series of UF's frames that gives rise to our "perceived impression" that there exist certain "relativistic" or "quantum" "phenomenon", "relationships" or even "laws"!?. In other words, the Film's Director's arrangement of the particular series of film-frames, depicting the ever closer "spatial-proximity" of those 'Mercury-Ball' and 'Glass-Jar' give us (the "viewers" of the film) the impression as if there exists a "cause" and "effect" physical relationship/s between the impact of the 'Mercury-Ball' unto the 'Glass-Jar' which "caused" its "breakage" and "spillage of water", whereas in reality there doesn't exist any such direct physical relationships, but only the particular arrangement of those 'film-frames' in such a manner that gives us such "cause and effect" impression... In other words, it becomes clear that the UCP's arrangement of the series of Universal Frames (UF's) is such that it gives us the impression that there exist certain "relativistic" or "quantum" phenomenon, relationships or even "laws" – but in truth all that really exists is the UCP's simultaneous computation of all exhaustive spatial pixels comprising the entire physical universe (for each consecutive Universal-Frame), and its particular "arrangement" of these series of UF's frames, which gives us the impression of the existence of certain relativistic or quantum "laws"...

**The 'Computational Invariance Principle':** Indeed, this 'Cinematic-Film Metaphor's realization of the only "apparent", "phenomenal" nature of any "relativistic" or "quantum" physical relationships (or even "laws") becomes even clearer based on another key 'G-d's Physics' theoretical postulate termed: The "Computational Invariance Principle", which states that since only the singular, higher-ordered UCP exists "computationally- invariantly" both "during each consecutive UF's frame/s – e.g., as solely computing each exhaustive spatial pixel's four basic physical features ( of 'space', 'energy', 'mass' and 'time'), and also solely exists "in-between" any two such exhaustive UF's frames without the presence of any physical universe; whereas the entire physical universe exists only "computationally-variantly", i.e., exists only "during" each consecutive UF's frame/s (as solely being computed by this singular UCP) but "dissolves" back into the singularity of the UCP "in-between" any two consecutive UF's frames, therefore the 'Computational Invariance Principle' asserts that it is only the 'Universal Computational/Consciousness Principle' (UCP) that may be regarded as "real", e.g., existing "invariantly", consistently and continuously whereas the entire physical universe (and all of its constituting exhaustive spatial

pixels) may only be regarded as "transient" and "phenomenal" – truly representing only a "manifestation" of the singular Universal Computational/Consciousness Principle" Reality! We therefore reach a "pivotal point" along the development of Science wherein we realize that the entire physical universe exists only as a "transient", "phenomenal" "manifestation" of the singular higher-ordered 'Universal Computational/Consciousness Principle' Reality, termed: the "Universal Consciousness Reality", which exists (invariantly) both "during" its (simultaneous) computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s, and also exists solely (without the presence of the physical universe) "in-between" any two consecutive UF's frame/s!

#### 4) "Supra-Spatial-Temporal Reservoir", "Multiple Future/s" & "Dynamic-Equilibrium" Moral Principle

Indeed, the fascinating discovery of 'G-d's Physics' New 21<sup>st</sup> century Paradigm's ' singularity of the Universal Computational/Consciousness Principle (UCP) – and its only "phenomenal", "transient" manifestation as the physical universe was also shown to be connected with the discovery of Ten "Hierarchical Laws of Manifestation" which describe the manner in which this singular higher-ordered UCP manifest this physical universe! Thus, for instance, it was shown above and beyond the existence of the physical universe there exist a higher-ordered UCP's "Supra-Spatial-Temporal Reservoir" containing all "past", "present" and multiple (possible) "future/s" UF's frames of the entire physical universe! Based on the discovery of the UCP's novel "Dynamic-Equilibrium" Moral Principle which postulates that since all exhaustive spatial pixels comprising the entire physical universe are in truth only manifestations of the singular (higher-ordered) Universal Computational/Consciousness Principle (UCP); and moreover based on another 'G-d's Physics' theoretical postulate called" the "UCP's Inseparability Principle", which postulates that all Individual Human Consciousness are found to also be inseparable from this singular Universal Consciousness Principle, e.g., as also manifested in the "Deep-Sleep" State of Human Consciousness – and indeed, as manifested through the "special" state of "Expanded Human Consciousness" (in the waking state – for those "rare" of "blessed" individuals in which their Individual Human Consciousness completely identifies with the singularity of the Universal Consciousness Principle, e.g., which can also be described as a "prophetic" state); Therefore, the "UCP's Inseparability Principle" states that in reality all Individual Human Consciousness – comprise integral parts of this singular (higher-ordered) Universal Computational/Consciousness Principle! Therefore, based on this 'UCP's Inseparability Principle' the "Dynamic-Equilibrium" Moral Principle postulate of the New 'G-d's Physics' Paradigm states that since all Individual Human Consciousness – truly constitute integral parts of this singular (higher-ordered) Universal

Computational/Consciousness Principle (UCP), therefore the UCP also possesses an intrinsic property (or "Hierarchical Law of Manifestation") stating that in any case that one of these "Individual Human Consciousness" makes a "negative Moral Choice", e.g., inflicting "pain" or "suffering" upon another Individual Human Consciousness, then this would "automatically" create a "balancing-Moral-Effect" instigated by the UCP to choose of multiple possible future/s that would "balance" or "teach" that "inflicting-pain/suffering" Individual Human Consciousness a "lesson" comprising experiencing precisely the same degree of "negative" suffering/pain as inflicted upon another Individual Human Consciousness...

Another "Trampoline Metaphor" was utilized to convey this profound new theoretical understanding brought about by the discovery of this new "Dynamic-Equilibrium" Moral Principle: According to this 'Trampoline-Metaphor', if we were to imagine a Trampoline, e.g., with its fine-elastic-sheath, and a "solid iron-bar" firmly attached from one point along this 'trampoline-elastic-sheath' to another particular point on this 'Trampoline-sheath'; and if we imagined that one of these two points to which the Iron-Bar is attached "decided" to "inflict-pain/suffering" upon the "other point" (to which the Iron-Bar was attached), such as by pushing ("violently") the Iron-Bar against the "other" ("suffering") point; then we can see that this "unidirectional-violent-force" exerted by the "Inflicting-pain" point upon the "suffering-point" (through the Iron-Bar), would inevitable "cause" a "balancing" counter-force that would inflict the same degree of "pain/suffering" as did experience the "suffering-point"! In other words, this 'Trampoline-Metaphor' is utilized to convey the simple message that due to the 'UCP's Inseparability Principle' and associated 'Dynamic-Equilibrium' Moral Principle, any "negative force" exerted by one "inflicting-pain" point (e.g., representing a particular Individual Human Consciousness) upon another "suffering-point" (representing another Individual Human Consciousness experiencing a negative "suffering" or "painful" experience) – would necessarily "cause" the singular, unitary 'Universal Consciousness Principle' (represented by the solid-unitary Trampoline-sheath) to create or select one of multiple possible future/s Universal Frame/s that would produce a completely opposite experience by the "inflicting-pain" point (Individual Human Consciousness) to "experience" precisely the same degree of "negative-painful experience" that it inflicted upon another Individual Human Consciousness – i.e., in order to "teach" or bring to its awareness that All Human Beings (and in fact the entire nature and physical universe) back into a Morally Balanced and Harmonious State!? In this manner, the New 'G-d's Physics' Paradigm (e.g., for the first time in Theoretical Physics!) postulates that there exist in fact multiple possible future/s for each Individual Human Consciousness (e.g., individual); and that for each of these Billions of Individual Human

Consciousness – the UCP "selects" one of multiple possible future/s 'Universal Frame' (UF) that are stored within the UCP's singular higher-ordered 'Supra-Spatial-Temporal Reservoir', based on the UCP 'Dynamic-Equilibrium' Moral Principle's computation for "balancing" the 'Moral-Decision/s' of each such Individual Human Consciousness!.

Indeed, the discovery of these two "UCP Supra-Spatial-Temporal Reservoir" – encompassing all "past", "present" and "future/s" Universal Frames, and the selection of any given particular "negative" or "positive" Moral-Choice possesses profound new theoretical ramifications pertaining to our basic understanding (and appreciation) of the dynamics of the apparently "physical" reality and universe; No longer can the physical universe be regarded as a "mere physical reality" – which is based on the direct physical interactions between given relativistic "massive-objects" and their "curvature of Space-Time", or between certain subatomic "probe" and "target's (probability wave-function) elements! Instead, the New 'G-d's Physics' Paradigm (of 21<sup>st</sup> century Theoretical Physics) is seen as computing- "dissolving- "re-computing- and evolving- every exhaustive spatial pixel in the universe many Billions of times each second – creating an extremely rapid series (e.g.,  $c^2/h = 1.36^{50}$  sec!) of Universal Frames (UF's) depicting the entire physical universe, which is also realized to be completely "dissolved" back into the singularity of the UCP "in-between" any two consecutive UF's frames! As a matter of fact (as mentioned earlier), 'G-d's Physics' 'Computational Invariance Principle' also indicated that what truly exists is only this singular higher-ordered 'Universal Computational/Consciousness Principle' – which exists both "during" each consecutive UF's frame (as solely simultaneously computing each and every exhaustive spatial pixel comprising the entire physical universe), as well as solely existing "in-between" any two consecutive UF's frames (without the presence of any physical universe)! Not only so, according to 'G-d's Physics' New Paradigm's 'Supra-Spatial-Temporal Reservoir' & 'Dynamic-Equilibrium' theoretical postulates, the UCP's (extremely rapid) computation of the series of Universal Frames (UF's) – does not depend on- or is constrained by- any "material-causal" physical interactions between any relativistic or quantum entities (pixels etc.), but rather depends (among all of the UCP's other ten-Laws of Manifestation) on the Moral-Choice/s that each Individual Human Consciousness makes at any given point in time – which "sets in motion" the UCP's 'Dynamic-Equilibrium' Moral Principle's "balancing" of any such particular "negative" or "positive" Moral Choice as manifesting in the selection of one of multiple possible "future/s" for both the "inflicting-pain" and corresponding "suffering" Individual Human Consciousness... This means that the physical universe does not exist as a "solid-independent" material-causal reality, but rather as a "transient", "phenomenal" manifestation of the singularity of the UCP – with one of

its key propensities being the "Dynamic-Equilibrium" Moral Principle's "balancing" all Individual Human Consciousness' Moral Choices – i.e., through the UCP's "selection" (computing) of one of the multiple possible "future/s" for each of the over 7 Billion Individual Human Consciousness (individuals) in the world!? This incredibly complex computing capacity of the UCP which has to "retain" and "compute" – for each time-dependent 'Moral-Choice' carried out by any two (or more) individual Human Consciousness, so that any "Inflicting-suffering" Individual Human Consciousness is "balanced" relative to the "inflicted" Individual Human Consciousness (e.g., and also takes into consideration all of those two (or more) Individual Human Consciousness past actions and Moral-Choices etc.) is (once again) almost "unfathomable"! But, what becomes increasingly clear is that this constant and continuous computation-"dissolution"- re-computing- and evolution- of each exhaustive spatial pixel in the physical universe is completely dependent upon the UCP's higher-ordered Ten-Hierarchical Laws of Manifestation (of which the 'Dynamic-Equilibrium' Moral Principle and UCP's "Multi-Spatial-Temporal Reservoir" constitute two Laws of Manifestation)...

##### 5) The UCP's "Free-Will", "Goodwill" & "Reversed-Time Goal Hypothesis" ("Geula") Characteristics

Hence, the New 21<sup>st</sup> century Theoretical Physics 'G-d's Physics' Paradigm completely revises our basic understanding of the origination- nature and evolution of the entire physical universe: No longer is the physical universe regarded as a mere "mechanical" or "material-causal" entity which originated in an initial nuclear 'Big-Bang' explosion; which is governed by mere relativistic (direct physical) interactions between certain "massive objects" and their "curvature of Space-Time", nor by direct physical interactions between certain given subatomic "probe" and "target's" (probability wave function) entities – which "cause" the "collapse" of this target's 'probability wave function' into a single (complimentary) 'space-energy' or 'time-mass' value!? No longer is the universe's (empirically observed) accelerated expansion attributed to (completely hypothetical) "dark-matter" or "dark-energy" theoretical concepts, neither is the universe assumed to expand into "dissolution" as predicted by the "Second Law of Thermodynamics" (e.g., which assumes that the degree of "entropy" in any given system increases with time)!? Instead, as stated earlier (and previously), the New 'G-d's Physics' Paradigm asserts that the entire physical universe is being continuously "created", "dissolved", "recreated" and "evolved" so many billions of times each second (e.g., " $c^2/h = 1.36^{-50}$  sec!") solely based on the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP)! In fact, as mentioned above, 'G-d's Physics' 'Computational Invariance Principle' clearly depicts the entire physical universe as constituting merely a "transient", "phenomenal" manifestation of this singular Universal Consciousness

Principle; Indeed, a closely related additional "Universal Consciousness Reality" (UCR) theoretical postulate asserts that since only this singular 'Universal Computational/Consciousness Principle' (UCP) exists "computationally-invariantly" – e.g., both "during" its sole (simultaneous) computation of all exhaustive spatial-pixels in the universe for each consecutive Universal Frame/s (UF's), and this UCP also solely exists "in-between" any two consecutive UF's frames – without the presence of any physical universe; therefore the 'Universal Consciousness Reality' (UCR) theoretical postulate suggests that in truth all that exists is this singular 'Universal Consciousness Reality' – which manifests as the physical universe "during" its computation of the extremely rapid series of Universal Frames (UF's), and which solely exists without the presence of the physical universe "in-between" any two consecutive UF's frames! Indeed, it is from this singular higher-ordered perspective of this New 'G-d's Physics' Paradigm which negates the possibility of any relativistic or quantum (subatomic) physical interactions (between any two or more exhaustive spatial pixels comprising any single or multiple UF's frames), instead solely attributing the continuous "creation"- "dissolution"- "recreation" and "evolution" of each exhaustive spatial pixel comprising the entire physical universe to the UCP's characteristics – that an entirely new understanding and appreciation of the magnanimity, beauty and complexity of the UCP's continuous creation of the universe arises...

Indeed, a studying of these UCP's "Ten Hierarchical Laws of Manifestation" brings about a new realization that the physical universe does not operate by strict "material-causal" laws, is not governed by mere material-physical interactions, but is rather derived and continuously being "directed" by the UCP's singular higher-ordered dynamics and characterizations: First, we saw that underlying and "driving" the computation of each consecutive UF's frame there is the continuous computation of the UCP regarding each Individual Human Consciousness 'Moral-Choice/s' based on the UCP's 'Dynamic-Equilibrium' Moral Principle's selection of one of multiple possible "Multi-Spatial-Temporal Reservoir's" "future/s" (e.g., as computed by this UCP for the over seven billions Individual Human Consciousness for each of their time-dependent 'Moral-Choices')! Second, as described previously (extensively) regarding these UCP's Ten-'Hierarchical Laws of Manifestation' this singular higher-ordered UCP is also characterized by a "Free-Will" and "Goodwill" intrinsic characterizations! This means that since the entire physical universe is totally dependent upon the continuous computation- "dissolution"- re-creation and evolution- of each and every exhaustive spatial pixel in the universe (for each consecutive UF's frame/s), and based on the abovementioned 'Computational Invariance Principle' and 'Universal Consciousness Reality' theoretical postulates; therefore the "UCP's Free-Will" postulate evinces that this singular Universal

Consciousness Reality is not "constrained" or "limited" by any "material-causal" (or any other) physical (relativistic or quantum) "law"! Bearing in mind that the entire physical universe "dissolves" in-between" any two consecutive UF's frames, and that (in truth) the entire physical universe is nothing but a "transient", "phenomenal" manifestation of the this singular higher-ordered UCP or Universal Consciousness Reality (UCR), we realize that this singular higher-ordered UCR "itself" is not constrained by any physical (relativistic or quantum) "laws"! Moreover, when we take into consideration the UCR's basic fundamental 'Goodwill' and "Reversed-Time Goal Hypothesis" ("Geula") (described previously), we understand that what's driving this singular higher-ordered UCR is an innate tendency to "Give-Life", to bestow "Goodness", "Happiness", "Harmony", "Peace" and "Moral Perfection" throughout the entire physical universe! The basic "Motivation" of this singular higher-ordered 'Universal Consciousness Reality' is to create and evolve a Universe which expresses ever more expansive and refined "forms" of Life, Moral and Spiritual Peace, Harmony and Perfection, as well as bring Humanity towards such a State of "Geula" – in which the Oneness of all Creation, the Awareness of the Existence of this singular Goodwill, Infinite Wisdom UCR is acknowledged, "seen" and appreciated! This is what's driving the entire evolution of the entire physical universe towards the expression and manifestation of an ever more Conscious and Moral Awareness – from inanimate, animate: plants, animals, human beings – and up to the highest manifestation of the special "expanded" form of Human Consciousness ("prophetic") State... This is what's driving the accelerated expansion of the entire physical cosmos – not as "caused" by any (non-existent, purely hypothetical) "dark-matter" and "dark-energy", but as brought about by this singular higher-ordered "Universal Consciousness Reality" (UCR) which continuously accelerates the number of additional exhaustive spatial pixels comprising each consecutive Universal Frame (perhaps in order for us, Human-beings to detect this Infinite Wisdom and Power of the UCR which increases and accelerates its manifested enlarged universe!); Indeed, as shown previously, this UCR's accelerated expansion of the entire physical universe is moreover dependent upon the "Collective Human Consciousness Focus" hypothesis, which states that it is the 'Collective Human Consciousness Focus' at such "special times" as the Jewish "Rosh-Hashanna" (New Year) in which Millions of Jews pray and focus on this singular higher-ordered 'Universal Consciousness Reality', 'G-d'! that brings about this UCR's "Non-Continuous" addition in the "Accelerated Expansion Rate" (AER) of the physical universe – taking place at each New "Rosh-Hashanna" Jewish Year... Indeed, the New 'G-d's Physics' Paradigm brings us ever closer to the profound new realization that the whole course and development of the universe is governed and "driven" towards the Ultimate Goal of this singular higher-ordered Universal Consciousness Reality (UCR) which is "Geula": a Perfected Moral, Spiritual

and even Physical State of the world in which there is complete Peace and Harmony, in which Human-Beings realize their oneness with each other and with this singular UCR, in which Science and Humanity realize the singularity, Magnanimity, Infinite Wisdom and 'Goodwill' of this UCR, 'G-d'!, appreciate- have gratitude towards- and also carry out a Moral, Purposeful Life aimed at the fulfillment of their individual and Collective role in bringing about this Perfected "Geula" State... Viewed in this Light, Science realizes that the whole existence, sustenance and evolution of the entire physical universe, i.e., towards this Ultimate Perfected "Geula" State is seen as representing this singular higher-ordered UCR, 'G-d' "Mercy" towards all Human Beings (and the World at large), rather than the physical universe being governed by strict "material-causal" physical "laws"! May Science and Humanity begin to comprehend and realize this singular "Merciful", "Goodwill" UCR, 'G-d'! and be grateful, aware and strive towards the complete understanding of this UCR's Ultimate "Geula" State – towards which the UCR drives the entire evolution of the physical universe (and may we fulfil our important "role" in bringing about this "Geula" State of Moral, Spiritual and Physical Perfection)!

**Dedication:** This article is dedicated in memory of dear beloved Mrs. Diana Raz, who shed so much light and Goodness in the lives of so many couples but whose own life was stumped at such an early age leaving behind four innocent children, may her Memory Blessed and may her Soul ascend to Paradise (where she belongs)...

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## THE NEW "G-D'S PHYSICS" (CUFT) TWENTY-FIRST CENTURY PARADIGM: A NEW UNIVERSE & SCIENCE!

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\*Note: Dr. Bentovich is currently seeking the most appropriate leading Academic Institute to assist him in carrying-out further necessary empirical validation and Theoretical elaboration of his New Twenty-first Century New 'G-d's Physics' Paradigm.

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### ABSTRACT

The Old "Material-Causal" Paradigm of Relativity Theory (RT) & Quantum Mechanics (QM) is undergoing a Major "Paradigmatic-Shift" towards the New "G-d's Physics" A-Causal Computation" Paradigm; This ensues from the discovery of "G-d's Physics" New singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h = 1.36^{-50}$  (sec)" which creates an extremely rapid rate of "Universal Frames" (UF's) comprising the entire physical universe at every minimal time-point. Based on the simultaneity of the UCP's computation of every exhaustive spatial pixel in the universe for each consecutive UF's frame and the complete "dissolution" of the universe "in-between" any two such consecutive UF's frames back into the singularity of the UCP, the New "G-d's Physics" Paradigm negates the Old "Material-Causal" Paradigm's basic assumptions regarding the origination of the physical universe from an initially assumed "Big-Bang" nuclear event, its evolution based on General Relativity Theory's (GRT) Einstein's Equations and associated explanation of the empirically observed accelerated expansion of the universe based on purely hypothetical "dark-matter" and "dark-energy" concepts (which cannot be detected empirically); as well as challenges QM's basic assumption that the subatomic target's assumed "probability wave-function" "collapses" as "caused" by its direct physical interaction with a corresponding subatomic "probe" element into a singular (complimentary) space-energy, mass-time value! Instead, the "new Universe" depicted by the New "G-d's Physics" Paradigm is continuously being computed (simultaneously) for each exhaustive spatial pixel for each consecutive UF's frame/s by the UCP, "dissolved" "in-between" any two consecutive UF's frames, re-computed and evolved at the incredible rate of " $c^2/h = 1.36^{-50}$  sec"! Moreover, instead of the universe evolving based on direct physical interactions between massive objects and their assumed curvature of "Space-Time" or through direct physical interactions between the subatomic "probe" and "target's probability wave function" elements, the universe is seen as a mere "transient-phenomenal" manifestation of the singular "real" "Universal Consciousness Reality" (UCR) which exists continuously both "during" its (simultaneous) computation of every exhaustive spatial pixel for each consecutive UF's frame, and also solely exists – without the presence of any physical universe "in-between" any two consecutive UF's frames! Indeed, the "new Universe" depicted by this New "G-d's Physics" Paradigm is "driven" by the singular UCP's newly discovered (intrinsic) characteristics of "Unity", "Morality", "Peace" and "Harmony" – towards an Ultimate "Perfected" State termed: "Geula" (in Jewish Tradition) in which Humanity and Science will recognize and live according to these UCP's basic characteristics and laws (e.g., termed: the "Ten Laws of Hierarchical Manifestation")!

### 1. Introduction: The New "G-d's Physics" Paradigm of Twenty-First Century Physics

Twenty-first Century Theoretical Physics is (no doubt) undergoing a major transition from the Old "Material-Causal" Paradigm towards the New "A-Causal Paradigm" "G-d's Physics" Paradigm; This is due to the fact that the Old "Material-Causal" Paradigm underlying 20<sup>th</sup> Century Physics' Relativity Theory (RT) and Quantum Mechanics (QM) indicates the two primary "symptoms" of an immanent "Paradigmatic-Shift" described by Thomas Kuhn (1962), e.g., the existence of

an apparent "theoretical inconsistency" between these two RT & QM "pillars" of the Old "Material-Causal" Paradigm, and the principle inability of this Old "Material-Causal" Paradigm to account for up to 95% of all the "mass" and "energy" in the universe (termed: "dark-matter" and "dark-energy", but which cannot be observed or verified empirically!) Indeed, according to Kuhn's brilliant analysis of the characteristics of such "Paradigmatic-Shifts", the appearance of these two "symptoms" of an apparent "theoretical inconsistency" between the pillars of the "Old Paradigm" and its

inability to account for major observed empirical phenomenon (e.g., such as the accelerated expansion of the physical universe – which is assumed to be "caused" by the existence of purely hypothetical "dark-matter" and "dark-energy" that cannot be verified empirically) call for the discovery of a New Paradigm that can resolve these apparent theoretical inconsistencies and also explain this unexplained accelerated expansion of the physical universe; Significantly, precisely the same condition existed over 100 years ago – when Einstein discovered his Relativity Theory, since back then there seemed to exist a principle "theoretical inconsistency" between the two "pillars" of Classical Newtonian Mechanics and Maxwell's Electromagnetic Theory, and there existed an equivalent (purely hypothetical) "ether" concept that was assumed to "perfuse" the whole universe, but which could not be detected empirically! This brought Einstein to discovery RT which could resolve the apparent "theoretical inconsistency" between Newtonian Mechanics and Maxwell's Electromagnetic Theory and also identified a particular empirical "Critical Prediction" that was different than the predictions of the Old Newtonian Mechanics' prediction;

Therefore, Twenty-first Century Theoretical Physics has reached a "dead-end" situation in which the two pillars of the Old "Material-Causal" Paradigm seem contradictory of each other and this Old "Material-Causal" Paradigm cannot account for up to 95% of all the "mass" and "energy" in the universe! In contrast, the New "G-d's-Physics" Paradigm (previously termed: the "Computational Unified Field Theory") was shown capable of resolving this apparent "theoretical inconsistency" between RT & QM, offer an alternative theoretical explanation for the accelerated expansion of the universe, and also identified a few unique "Critical Predictions" that can differentiate between the New "G-d's Physics" Paradigm and the predictions of the Old "Material-Causal" Paradigm – that once verified empirically would validate the New "G-d's Physics" Paradigm as the New Paradigm of 21<sup>st</sup> Century Physics! This would be akin (once again) to the empirical verification of Einstein's General Relativity Theory's by Eddington's 1919 Solar Eclipse validation of Mercury's doubled-value Perihelion curvature around the Sun due its predicted curvature of "Space-Time" etc. The major advancement made by the New "G-d's Physics" Paradigm is its discovery of the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel comprising the entire physical universe – at every minimal (consecutive) "time-point", giving rise to an incredibly rapid, (e.g.: " $c^2/h=1.36^{-50}$  sec") series of "Universal Frames" (UF's) comprising the physical universe! Indeed, this new discovery of the simultaneous UCP's computation of all of the exhaustive spatial pixels comprising the entire physical universe at each consecutive UF's frame has brought a "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the

New "G-d's Physics" "A-Causal Computation" Paradigm!

This is because since according to this New "G-d's Physics" Paradigm the UCP *simultaneously computes* all exhaustive spatial pixels in the universe – for each consecutive UF's frame/s, and since the New "G-d's Physics" Paradigm postulates that the entire physical universe (and all of its comprising exhaustive spatial pixels) "dissolve" "in-between" any two consecutive UF's frames, therefore according to the New "G-d's Physics" Paradigm there cannot exist any "material-causal" physical interactions between any two (or more) exhaustive spatial pixels existing either within the same- or different UF's frame/s! This profound Paradigmatic-Shift from the Old "Material-Causal" Paradigm to the New "G-d's Physics" "A-Causal Computation" Paradigm entirely changes Physics basic understanding of the entire physical universe – its origination, sustenance, and evolution – towards a "Perfect Moral, Spiritual and even Physical State! The Old "Material-Causal" Paradigm assumed that any phenomenon in the universe, e.g., whether at the relativistic (macroscopic) or quantum (microscopic) scale – can be explained as "caused" by specific "material-causal" physical interactions between particular "x" and "y" elements; Thus, General Relativity Theory assumes that the presence of certain massive objects ("x") "cause" the "curvature of Space-Time" ("y"), and conversely that this "curved Space-Time" "causes" (or determines) the "travelling pathways" of these massive objects (and other less massive objects); Similarly, at the microscopic scale, Quantum Mechanics assumes that it is the direct physical interactions between a subatomic "probe" element and a corresponding subatomic "target" element – which "causes" the "collapse" of the target's (assumed) "probability wave function" into a singular "complimentary" ("energy-space" or "mass-time") value. But, since according to the New "G-d's Physics" Paradigm there cannot exist any such direct "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels found at any single or multiple UF's frames (nor "in-between" any two such consecutive UF's frames in which the entire physical universe "dissolves" back into the singularity of the UCP!), therefore the New "G-d's Physics" A-Causal Computation Paradigm offers an entirely different, new (and exciting) theoretical account of the origin- sustenance- and evolution- of the entire physical universe towards its "Ultimate Perfected (Moral, Spiritual & Physical) State" called "Geula" in the "Jewish-Chassidic" Tradition!

## 2. "G-d's Physics" New "A-Causal Computation" Paradigm

Hence, the New 21<sup>st</sup> Century "G-d's Physics" Paradigm discovered that there cannot exist any direct (or even indirect) "material-causal" physical relationships between any two (or more) relativistic or quantum exhaustive spatial pixels existing either in the same- or different- Universal Frames (e.g., due to the complete

"dissolution" of all exhaustive spatial pixels comprising the entire physical universe "in-between any two consecutive such Universal Frames back into the singularity of the UCP!) This new profound discovery made by 21<sup>st</sup> century New "G-d's Physics" Paradigm produces a very fundamental "Paradigmatic Shift" from the Old "Material-Causal" Paradigm – throughout the various foundations of Theoretical Physics, and even beyond that, throughout the various sub-disciplines of Science (more generally)! For example, one of the basic assumptions of the Old "Material-Causal" Paradigm is that the physical universe was created by an initial "Big-Bang" nuclear event: which created the various suns, galaxies, planets, matter, energy, etc. But, according to the New "G-d's Physics" Paradigm such a "Material-Causal" assumption wherein there existed an initial "nuclear event" that created the whole universe from an extremely condensed concentration of mass is strictly negated! This is simply because there could not have been any such direct (or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels) at any single- or multiple- Universal Frames (UF's), e.g., since the Universal Computational/Consciousness Principle (UCP) *simultaneously* computes every exhaustive spatial pixel in the universe for each consecutive UF's frame/s; and since the whole universe "dissolves" back into the singularity of the UCP "in-between" any two such consecutive UF's! Similarly, the assumption that the empirically observed acceleration of the physical universe is caused by the existence of purely hypothetical "dark-matter" and "dark-energy" – which also represents the same basic "Material-Causal" assumption is strictly negated by the New "G-d's Physics" "A-Causal Computation" Paradigm, which negates the existence of any direct or even indirect material-causal physical interactions between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frame/s!

In order to better understand the basic Paradigmatic-Shift from the Old "Material-Causal" Paradigm underlying 20<sup>th</sup> century Physics' Relativity Theory and Quantum Mechanics – to the New "A-Causal Computation" "G-d's Physics" (CUFT) Paradigm a "Cinematic-Film Metaphor" has been utilized: Imagine watching a film in which an extremely fast supersonic jet-plane is being depicted: if asked whether this supersonic jet-plane possesses any "energy" (or velocity) – our "automatic", "common-sense" reply would be that surely this jet-plane possesses (tremendous) velocity (or energy); But, upon closer examination of the "energy" or "velocity" of this 'jet-plane' across each of the rapid series of film-frames, we would have to reach the inevitable conclusion that in fact, this 'jet-plane' does *not* possess any "energy" or "velocity" – rather it is being "displaced" across the series of given film-frames so that its spatial location changes from one frame to another! In fact, if we were to compute the jet-plane's velocity (or energy) across the given series of film-frames, this would be given simply

based on the degree of the jet-plane across the given series of frames; This is simply because if we were to compare the "energy" or "velocity" of the jet-plane to say the "energy" or "velocity" of another "pedestrian" appearing in the film, then we would discover that the only difference existing between their respective "velocity" or "energy" is based on their corresponding degree of "displacement" across the given series of film-frames, e.g., the 'jet-plane' has been displaced much more than the 'pedestrian' across the given series of frames! In fact, based on this "Cinematic-Film Metaphor" illustrating certain key aspects of the New "G-d's Physics" Paradigm the essential computation of the four basic physical features of "space" and "energy", "mass" and "time" – as the UCP's computation of the degree of "lack of change" (inconsistency) or "change", given either relative to the entire "Universal Frame/s" (UF's) or relative to the internal constitution of any given object (e.g., "frame" or "object") can be explained: According to the New "G-d's Physics" Paradigm, the UCP simultaneously computes the four basic physical features of "space" and "energy", "mass" and "time" – based on two (out of three) associated Computational Dimensions of "Framework" (comprising "frame" or "object"), "Consistency" ("consistent" or "inconsistent")! Viewed from this new "G-d's Physics" "A-Causal Computation" Paradigm perspective, "space" and "energy" are computed as the UCP's computation of "frame"- "consistent" or "inconsistent" degree of displacement, whereas "mass" and "time" represent the UCP's computation of an "object" – "consistent" or "inconsistent" displacement;

In order to explain the basic "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "A-Causal Computation" Paradigm, the Cinematic-Film Metaphor utilizes a scenario in which a "Mercury Ball" is depicted as "impacting" a "Glass-Jar" – apparently "causing" its "shattering" and "spillage" of its constituent "water" on the floor... Once again, we find that this 'Cinematic-Film Metaphor' offers us a novel alternative perspective on the "real" underlying "dynamics" underlying what seems as the "breakage of the Glass-Jar as caused by the Mercury-Ball"; this is simply because when we "slow-down" the progression of the film-frames, we find that in all of the film-frames, both the "Glass-Jar" and the "Mercury-Ball" are presented "simultaneously" and therefore that there cannot exist any direct physical interaction between them at any of the multifarious film-frames comprising the entire film progression! The only thing that really "happens" in the film is the Director's arrangement of the series of film-frames in such an order that gives the "appearance" of the "Mercury-Ball" being presented at ever closer "proximity: to the "Glass-Jar" until their physical "conjoining", followed by film-frames depicting the "shattering of the Glass-Jar" and the "spillage of the Glass-Jar's water on the floor"?! In other words, even though there could not have been any real "material-causal" interaction/s between the "Mercury-Ball" and the

"Glass-Jar" – since they are both being presented simultaneously for each consecutive film-frame/s, what seems to us (as the viewers of the film) is that there exists a clear "cause-and -effect" physical relationship/s between this Mercury-Ball and its "breakage" of the Glass-Jar"... When we translate this 'Cinematic-Film Metaphor' into the "analogous" New "G-d's Physics" "A-Causal Computation" Paradigm we begin realizing that contrary to the Old "Material-Causal" Paradigm's basic assumption wherein the physical universe operates based on strict "material-causal" physical interactions – either between certain "massive objects" and their "curvature of Space-Time" (and vice versa, the assumed curvature of Space-Time "causing" or determining the travelling pathways of those massive and other less-massive objects); or between a given subatomic "probe" element and a corresponding subatomic "target's probability wave function" which is assumed to "cause" the "collapse" of this target's "probability wave function" into a single complimentary (space-energy or mass-time) value; the New "G-d's Physics" (CUFT) Paradigm discovers that there cannot exist any such "material-causal" physical interactions between certain "massive objects" and their apparent "curvature of Space-Time" or between the subatomic probe and target's (assumed) "probability wave function" which "collapses" into a singular complimentary value! Rather, based on the abovementioned 'Cinematic Film Metaphor', all that truly exists is the UCP's arrangement of a series of UF's frames depicting these apparent "material-causal" physical interactions – which cannot truly exist since the UCP simultaneously computes all exhaustive spatial pixels for each consecutive UF's frame/s, and moreover the whole universe "dissolves" back into the singularity of the UCP "in-between" any two consecutive UF's frames (so that there cannot exist any "transference" of any physical effects or material entities across any two consecutive UF's frames!)

### 3. The "Computational Invariance Principle" & "Universal Consciousness" Postulates

Indeed, the New "G-d's Physics" "A-Causal Computation" Paradigm revises our most fundamental conceptions of the physical universe since they begin to portray an entirely different singular higher-ordered "Universal Computational/Consciousness Principle", which solely exists both "during" its computation of each consecutive UF's frame/s and also solely exists "in-between" any two consecutive UF's frames! According to one of the key (new) theoretical postulates of this New "G-d's Physics" Paradigm, termed: the "Computational Invariance Principle" since only the singular Universal Computational/Consciousness Principle" (UCP) exists – both "during" its simultaneous computation of all exhaustive spatial pixels' four basic physical features (of space, energy, mass and time) comprising the entire physical universe for each consecutive UF's frame/s, and also solely exists "in-between" any two consecutive UF's frame/s, e.g., wherein the whole universe "dissolves" back into the singularity of the UCP; whereas those four

basic physical features (of space, energy, mass and time) exist only "during" each consecutive UF's frame/s (as solely computed by the singular UCP) but "dissolve" back into the singularity of the UCP "in-between" any two consecutive UF's frame/s, therefore only this singular "UCP" may be considered as "real" or "constant" (e.g., termed as : "computationally-invariant"), as opposed to those four basic physical features of 'space', 'energy', 'mass' and 'time', which may only be regarded as "transient" or "phenomenal" appearances of the universe -termed: "computationally-variant"! We begin realizing that the physical universe does not exist as a "consistent", or "solid" reality but is in fact only a "transient", "phenomenal" manifestation of the "real" underlying singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which exists consistently and continuously both "during" its computation of each consecutive UF's frame/s and also solely exists "in-between" any two consecutive UF's without the presence of any physical universe! Indeed, based on this new "Computational Invariance Principle" postulate a closely related "Universal Consciousness Reality" theoretical postulates completely revises our basic conception and understanding of the physical universe: According to the "Universal Consciousness Reality" theoretical postulate, since the only constant, consistent and continuous element is this singular higher-ordered "Universal Computational/Consciousness Principle" that exists both "during" its computation of each consecutive UF's frame/s' exhaustive spatial pixels' four basic physical features and "in-between" any two consecutive UF's frame/s, whereas those four basic physical features comprising every exhaustive spatial pixel in the universe only exists "transiently" and "phenomenally" during each consecutive UF's frame/s but cease to exist and dissolve back into the singularity of the Universal Computational/Consciousness Principle (UCP) "in-between" any two such consecutive UF's frame/s, therefore the entire physical universe is being viewed as only a "transient", "phenomenal" manifestation of the singularity of this "Universal Consciousness Reality"!

Indeed, once we realize that the entire physical universe doesn't exist continuously, i.e., it exists only "during" each consecutive UF's frame (but "dissolves" back into the singularity of the UCP "in-between" any two consecutive UF's frames) and that it is completely dependent for its existence upon the continuous (simultaneous) computation of the UCP of every exhaustive spatial pixel in the universe (for each consecutive UF's frame), we begin realizing the full significance and profound theoretical ramifications of the new "Universal Consciousness Reality" (UCR) which postulates that truly there exists only one singular "Universal Consciousness Reality" which exists both "during" its computation (and production) of every exhaustive spatial pixel comprising the entire physical universe of each consecutive UF's frame, and also solely exists "in-between" any two consecutive UF's frame/s! In

other words, the universe only exists as a manifestation of this singular higher-ordered "Universal Consciousness Reality" (UCR), but not as an "independent material entity"! The full realization of this singular higher-ordered "Universal Consciousness Reality" comes with the understanding that there cannot exist any "transference" of any exhaustive spatial pixel, material entity – e.g., including any "massive-object/s", "Space-Time", any subatomic "target" or "probe" elements, any of the four known basic forces (the weak and strong nuclear forces, electromagnetic or gravitational forces) from one Universal Frame (UF) to another! This is simply because the entire physical universe and all of its constituent exhaustive spatial pixels "dissolve" back into the singularity of the UCP "in-between" any two consecutive UF's frame/s, so that there cannot be any transference of any material entities, physical forces etc. "in-between" any two consecutive UF's frame/s! We therefore reach the somewhat "surprising" and far-reaching discovery and realization that in fact the only manner in which the entire physical universe can exist continuously and continue to evolve (e.g., including or our own bodies' cells, the accelerated expansion of the universe and all Relativistic and Quantum phenomena and laws etc.) – is strictly based on this singular higher-ordered "Universal Consciousness Reality's" "retention", "dissolution", "re-computation" and "evolution" of every exhaustive spatial pixel across the series of UF's frames which this Universal Consciousness Reality continuously computes!

Twenty-first Century Theoretical Physics enters a completely new era in which it realizes (for the first time in Science's history) that the universe does not exist as a "continuous", "solid-continuous" material entity – but is rather completely dependent upon- and is in fact only a manifestation of- the singular higher-ordered Universal Consciousness Reality! We realize the universe was not created by an initial "Big-Bang" nuclear event because this is negated by the New "G-d's Physics" (CUFT) "A-Causal Computation" simultaneity of the UCP's (or UCR's) computation of all exhaustive spatial pixels in the universe, and also by this latter discovered Universal Consciousness Reality's realization that the universe is being continuously created- dissolved, re-created and evolved by this singular higher-ordered UCR! We realize that the universe's accelerated expansion cannot be due to the strictly "hypothetical" "dark-matter" and "dark-energy" theoretical postulates: once again, because of the abovementioned New "G-d's Physics" "A-Causal Computation" Paradigm and the current "Universal Consciousness Reality's" (UCR's) realization that the entire universe "dissolves" back into the singularity of the UCR "in-between" any two consecutive UF's Frames, so that the purely hypothetical "dark-matter" and "dark-energy" concepts cannot possess any "material-causal" effect upon the accelerated expansion of the physical universe since there cannot exist any such (direct or even indirect) physical interaction between any (two or more) exhaustive spatial pixels existing either in the same- or

different- UF's frame/s and there cannot be any transference of any such "material-causal" physical effect, entity or force etc. "across any two consecutive UF's frame/s! In fact, the New "A-Causal Computation" "G-d's Physics" Paradigm negated the basic "Material-Causal" Assumption underlying both Einstein's Equations and Quantum's assumption of the collapse of the probability wave function! This is because the New "G-d's Physics" "A-Causal Computation" Paradigm insistence upon the simultaneity of the UCP's computation of all exhaustive spatial pixels in the universe comprising each consecutive UF's frame/s negates Einstein's Equations basic "Material-Causal" assumption wherein it is assumed that the dynamics and evolution of the entire physical universe is determined by the delicate interplay that is assumed to exist between the presence of certain "massive-objects" which "cause" the "curvature of Space-Time", which in turn "cause" (or determine) the travelling-pathways of these (and other) massive and less-massive objects! If, according to the New "G-d's Physics" there cannot exist any such "material-causal" physical interactions between any two (or more) exhaustive spatial pixels found in any single- or multiple- UF's frames (and since moreover, the entire universe "dissolves" back into the singularity of the UCP "in-between" any two consecutive UF's frames so that there cannot exist any "transference" of any "material" or "physical" effect/s, entities, force/s or phenomenon "in-between" any two consecutive UF's frames), therefore Einstein's basic Equations describing such "material-causal" physical interactions between certain "massive objects" and their "curvature of Space-Time", and vice versa the "material-causal" physical interactions between this assumed "curved Space-Time" and its determination (or "causing") of the travelling-pathways of these 'massive-objects' (and other 'less-massive' objects') is negated! Likewise, the basic "Material-Causal" assumption underlying Quantum Mechanics which assumes that it is the direct physical interaction/s between a given subatomic "target's probability wave-function" and a corresponding subatomic "probe" entity which "causes" the "collapse" of the target's (assumed) "probability wave function" into a singular (complimentary) space-energy, mass-time singular value?! But, if indeed according to the New "G-d's Physics" Paradigm, there cannot exist any such "material-causal" direct (or even indirect) physical interaction/s between any such two (subatomic "target" and "probe" elements) exhaustive spatial pixels existing in any single- or multiple- UF's frame/s (and if indeed the entire physical universe "dissolves" "in-between" any two consecutive UF's frames back into the singularity of the UCP which doesn't allow for any such direct or indirect physical interactions "in-between" any two consecutive UF's frame/s!) therefore the basic "Material-Causal" assumption underlying Quantum Mechanics is being strictly negated by the New "G-d's Physics" Paradigm!

#### 4. The "Universal Computational Formula": Complete Unification of Relativistic & Quantum Models & the Four Basic Physical Features and Forces!

Indeed, the discovery of the New "G-d's Physics" "Universal Computational Formula" (UCF) completely revises (and revolutionizes) our basic conception of the four basic physical features of "space", "energy", "mass" and "time" comprising the entire physical universe – and allows (for the first time in Theoretical Physics) a complete unification of these four basic physical features, as well as of the Four Basic Forces of Nature! This is because so far, Einstein's General Relativity Theory was only able to unify between "space" and "time" – e.g., as comprising a four-dimensional "Space-Time" continuum; or between "energy" and "mass" based on the famous "Energy-Mass Equivalence", e.g., " $E = Mc^2$ "; and Einstein's Equations were able to indicate in what manner does the presence of certain "massive objects" "causes" the curvature of "Space-Time", and conversely in what manner does this "curved Space-Time" "causes" (or determines) the travelling-pathways of these massive and other less-massive objects; Likewise, in Quantum Mechanics, there seems to exist a certain "inter-dependency" between the "complimentary-pairs" of "space" and "energy", or "mass" and "time", as stipulated by Heisenberg's "Uncertainty Principle" (e.g., indicating that there exists a "simultaneous measurement accuracy constraint" shared by these "complimentary-pairs"). Therefore, thus far, Physics has only been able to unify between a few of these four basic physical features, but not between all of them; Moreover, even though the Old "Material-Causal" Paradigm of 20<sup>th</sup> century Relativity Theory & Quantum Mechanics has made significant progress in unifying between "space" and "time", "energy" and "mass", and Einstein's Equations' description of the apparent fine inter-dynamics between "massive objects" and their curvature of Space-Time (and conversely this "curved Space-Time's" determination of the travelling pathways of these massive and other less massive objects), these four basic physical features remain as four "separate" fundamental constituents of the physical universe!

In contrast, the New "G-d's Physics" Paradigm's discovery of the novel "Universal Computational Formula" (UCF, depicted below) – for the first time in Physics' evolution, completely integrates these four basic physical features as secondary integrated computational by-products of the UCP's singular simultaneous computation of all exhaustive spatial pixels comprising the entire physical universe! This is because the discovery of the UCF delineates in what precise manner the UCP is able to simultaneously compute these four basic physical features of "space" and "energy", "mass" and "time" – based on two (out of three) UCP's three basic "Computational Dimensions" of "Framework" ("frame" vs. "object"), "Consistency" ("consistent" vs. "inconsistent"), e.g., for each exhaustive spatial pixel in the universe! Simply put, the discovery of the UCF

indicates the UCP's simultaneous computation of every exhaustive spatial pixel's four basic physical features of "space" and "energy", "mass" and "time" – as being computed by the UCP based on its "Frame" – "consistent" ("space") or "inconsistent" ("energy"), or based on the UCP's computation of "Object" – "consistent" ("mass") or "inconsistent" ("time") Computational Dimensions combinations!

Viewed in this manner, these four basic physical features become integral complimentary aspects of the same singular higher-ordered UCP's computation of the degree of "change" ("consistency") or "lack of change" ("inconsistency") pertaining to each exhaustive spatial pixel's "Frame" or "Object" computation; Indeed, as delineated previously, the UCF completely integrates these four basic physical features since the UCP's computation of, for instance, the degree of "change" (e.g., displacement) pertaining to a given object – must necessarily be integrated with the UCP's computation of that "Object's" internal degree of "change"/"lack of change": Thus, for instance, the greater the degree of "displacement" of any given object (across a given series of UF's frames) – corresponding to its "Frame-Inconsistent" ("energy") value, necessarily also is the UCP's corresponding computation of this "Object's-Consistent" ("mass") value (e.g., due to an intrinsic constraint set by the New "G-d's Physics"/CUFT Paradigm on the "maximal degree of change" that any object can traverse across any two given consecutive UF's frames)! Interestingly, this would correspond to the famous relativistic "Energy-Mass Equivalence", " $E=Mc^2$ ", except that the basis for this 'Energy-Mass Equivalence' is discovered (for the first time in Physics) to originate – not from any "material-causal" direct physical interaction/s between any given material element's given amount of "mass" and "energy", but rather from the UCP's integrated computation of any given object's – "Frame-Inconsistent" ("energy") and corresponding "Object-Consistent" ("mass") values, which are being computed simultaneously, i.e., alongside the UCP's computation of any given spatial pixel's two other basic physical features (of its "Frame-Consistent", e.g., "space" and "Object-Inconsistent", e.g., "time") values! Likewise, intriguingly, Quantum's well-known "Heisenberg's Uncertainty Principle's" complimentary pairs', e.g., of "space" and "energy", "or "mass" and "time" simultaneous measurement constraint (jointly limited by Planck's constant) are found to ensue – not from any direct physical interaction between the subatomic "probe" and "target" elements, but rather from the UCP's integrated simultaneous computation of any given object's "Frame" – "consistent" ("space") and "inconsistent" ("energy"), or "Object" – "consistent" ("mass") and "inconsistent" ("time") values! Indeed, "G-d's Physics" New Paradigm's discovery of the singular simultaneous higher-ordered UCP's computation of each exhaustive spatial pixel's four basic physical features (of "space", "energy", "mass" and "time") has led to the formulation of the "Universal Computational Formula"

(UCF) which completely integrates these four basic physical features as secondary integrated computational aspects of the same singular higher-ordered UCP! As indicated previously, there exist two "Relativistic" and "Quantum" Formats' representation of this UCF which demonstrate in what manner does this novel UCF replicate and indeed identify certain (key) Relativistic and Quantum laws (and relationships) – as "special-cases" within the New "G-d's Physics" Paradigm (e.g., as envisioned by the great Einstein):

### Universal Computational Formula (UCF)

$$\left. \begin{array}{c} c^2 \\ - \\ h \end{array} \right\} \text{UF's } \{n\dots n\dots n\} = \frac{s * e}{t * m}$$

In this manner, this new "Universal Computational Formula" (UCF) not only unifies between Relativity Theory and Quantum Mechanics, i.e., since they appear as merely "special cases" within the broader theoretical conceptualization of the UCP's simultaneous computation of the four basic physical features of "space" and "energy", "mass" and "time"; it also clearly demonstrates in what matter does the apparently "distinct" key characteristics of both of these "pillars" of the Old "Material-Causal" Paradigm in fact "converge" as integral parts of the same singular higher-ordered UCP's simultaneous computation of these four basic physical features of each and every exhaustive spatial pixel comprising the entire physical universe! That is, even beyond the exciting discovery made by this novel Universal Computational Formula (UCF) that the UCP's simultaneous computation of every exhaustive spatial pixel in the universe represents a much broader theoretical framework – within which the well-known Relativistic "Energy-Mass Equivalence" and Quantum's Heisenberg's "Uncertainty Principle's" "complimentary-pairs" merely represent "special-cases"! The discovery of the UCF actually reveals that the UCP's simultaneous computation of every exhaustive spatial pixel in the universe (for each consecutive UF's frame/s) in fact utilizes- and completely integrates- those apparently "distinct" features and characteristics of both Relativistic and Quantum Models as integral parts of UCP's computation.

Perhaps even more surprising is the New "G-d's Physics" (CUFT) realization that due to its "A-Causal Computation" New Paradigm – wherein it is being realized that there cannot exist any "material-causal" physical interaction/s or even relationship/s between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frame/s; and moreover, that the entire physical universe "dissolves" "in-between" any

two such consecutive UF's frame/s back into the singularity of the UCP; therefore that there cannot be any "transference" of any physical "effect", "material-entity" "physical force", "material element" or even of any "physical phenomenon" across any two consecutive UF's frame/s! Rather, we're led to the inevitable conclusion that the sole existence of the physical universe – and all of its constituent atoms, particles, suns and galaxies, our own human bodies and minds and in fact anything that exists within the universe may only be sustained, "dissolved", "re-created" and evolved solely based on the continuous operation of this singular higher-ordered "Universal Computation/Consciousness Principle" (UCP)... In fact, as mentioned earlier (and previously), the New "G-d's Physics" (CUFT) Paradigm has shown us, e.g., based on its two "Computational Invariance Principle" and "Universal Consciousness Reality" theoretical postulates) that the physical universe may only be regarded as a "transient-phenomenal" manifestation of the singular "real" reality of the "Universal Consciousness Reality" (UCR) – which exists both "during" each consecutive UF's frame/s and also solely exists "in-between" any two consecutive UF's frames (wherein the entire physical universe "dissolves" back into the singularity of this UCP)! This "startling" and "profound" new discovery made by the New "G-d's Physics" Paradigm has indeed led to the further discovery of the "Ten-Laws of Manifestation", which are herein described briefly, i.e., essentially indicating that the existence, manifestation, sustenance and evolution of the entire physical universe may not be explained from "within" the universe – but rather must be explicated as resulting solely from the UCP's intrinsic characterization of those "Ten-Laws of Hierarchical Manifestation which are listed below:

#### a) The UCP's Three "Computational Dimensions": Framework, Consistency and Locus

The first ("lowest") Law of Manifestation is the UCP's three "Computational Dimensions" of "Framework" (frame/object), "Consistency" (consistent/inconsistent) and "Locus" (global/local), which were shown to produce the four basic physical features of "space" and "energy" (i.e., "frame-consistent" or "frame-inconsistent") or "mass" and "time" (e.g., "object-consistent" or "object-inconsistent") computational measures. This means that the UCP's basic computation of the four basic physical features of the physical universe of "space" and "energy", "mass" and "time" are seen to merely represent different computational combinations of the UCP's (UCR's) two Computational Dimensions (Framework and Consistency – with the third "Locus" Computational Dimension qualifying these four basic physical features depending on the particular point of view of the "observer", e.g., from within the measured phenomenon or from the perspective of the entire UCP's frame etc.).

**b) The UCP's "Universal Computational Formula" (UCF): Complete Integration of Space, Energy, Time & Space**

The "second" (ascending) UCP's Law of Manifestation is its "Universal Computational Formula" (UCF) which completely integrates those four basic physical features of "space" and "energy", "mass" and "time" – due to the UCP's simultaneous computation of each of those exhaustive spatial pixel's four basic physical features! We find that due to the fact that the UCP simultaneously computes all of those four basic physical features simultaneously for each exhaustive spatial pixel therefore the UCP's "Universal Computational Formula" (UCF) describes the manner in which these four basic physical features are computed simultaneously (for each exhaustive spatial pixel comprising every consecutive UF's frame/s)! As explained previously, we find that this integrated simultaneous computation of the UCP – of those four basic physical features implies that they are truly not "separate" or "independent" of each other, but rather represent integrated- and (in fact) "complimentary" secondary computational "by-products" of the same singular UCP's computation of every exhaustive spatial pixel (in the universe), in terms of it's "Object"/"Frame" – "Consistent"/"Inconsistent" computational measures; As explained previously, for instance, the well-known relativistic "laws" (and relationships), such as between an object's relativistic speed and it's increase in "mass" or "dilation of time" – may be easily explained based on the UCP's simultaneous and integrated computation of any given object's (increased) "Object-consistent" ("mass") value and its (decreased) "Object-inconsistent" ("time") value, or between an object's (increased) "Frame-inconsistent" ("energy") value and its (increased) "Object-consistent" ("mass") value; this is due to the fact that the UCP's computational definitions of any give (exhaustive) spatial pixel's "Object-consistent" ("mass") is converse to its computational definition of that spatial pixel's "Object-inconsistent" ("time"), and likewise due to the UCP's computational definition of any given (exhaustive) spatial pixel's "Frame-inconsistent" ("energy") value is necessarily conversely related to its computational definition of that spatial pixel's "Object-consistent" ("time") value, due to certain UCP's computational constraints set on the "maximal degree of displacement" possible of any given object (e.g., in terms of the number of spatial pixels it may be displaced across any two given consecutive UF's frame/s!) Indeed, in this manner the discovery of "G-d's Physics" "Universal Computational Formula's" complete unification of the four basic physical features of "space" and "energy", "mass" and "time" (as "Frame"- "consistent"/"inconsistent" and "Object"-consistent/"inconsistent" computational measures) has led not only to the unification of key relativistic and quantum features as integral computational aspects of the UCF, but (perhaps more significantly) also led to a complete unification of space, energy, mass and time as secondary computational integrative aspects of the same

unitary singular UCR, including its replication and explanation of key Relativistic and Quantum "law" and relationships such as the "Energy-Mass Equivalence", the "curvature of Space-Time by mass" the "dilation of time" for "relativistic observers" (or for "massive objects") etc. Indeed, one of the recent "striking" new discoveries made through this UCF is its potential accounting for all known (and to be discovered) elementary particles predicted by the Standard Model – as merely representing different computational values embedded within this UCP's "Universal Computational Formula"; as well as unifies between the four basic forces (Weak, Strong, Electromagnetic and Gravitational)! Nevertheless, as pointed out above (and previously), "G-d's Physics" realization of the "Computational Invariance Principle" and especially of the "Universal Consciousness Reality" (UCR) teaches us that none of these "transient-phenomenal" "particles", or "forces" or even four basic physical features (of "space" and "energy", "mass" and "time") may be regarded as "real" continuous "independent" material entities – but are now only seen as transitory manifestations of the singular higher-ordered UCR!

**Universal Computational Formula (UCF)**

$$\left. \begin{array}{c} \text{׃} \\ c^2 \\ - \\ h \end{array} \right\} \text{UF's } \{\eta \dots \eta \dots \kappa\} = \frac{s * e}{t * m}$$

**(Note:** herein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("׃") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "ך through "ז " to "ן") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: " $c^2/h = 1.36^{-50} \text{ sec}^{-1}$ ")

**c) The UCP's Supra Spatial-Temporal Reservoir: Multiple Possible Future/s!**

The next "rung" UCP's "Hierarchical-Law of Manifestation" relates to the UCP's computation of all possible "past", "present" and multiple possible "future/s" UF's frame/s which are contained within the UCP's "Multi Spatial-Temporal Reservoir"! Indeed, according to "G-d's Physics" New Paradigm, since there cannot exist any direct (or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different-

UF's frames – but rather the UCP simultaneously computes all of these exhaustive spatial pixels comprising each consecutive UF's frame/s; therefore there exists a "bank" of all "past", "present" and multiple possible "future/s" UF's frame/s which are computed by the UCP and stored within it – which in turn are dependent upon still higher "rung" "Hierarchical-Laws of Manifestation", i.e., such as the "Dynamic-Equilibrium Moral Principle"! It is nevertheless noteworthy to mention (at this point) that this UCP's "Supra Spatial-Temporal Reservoir" transcends "space" and "time" – as it includes all "past", "present" and multiple possible "future/s" UF's, and also that it exhibits a "unitary-integrative-singular" Reality which encompasses all past, present and multiple future/s UF's as a singular Reality which is associated and indeed being affected by yet higher "rungs" of the UCP's "Hierarchical Laws of Manifestation"!

#### d) The UCP's "Dynamic-Equilibrium Moral Principle"

The next ("higher-up") "Hierarchical Law of Manifestation" is the "Dynamic-Equilibrium Moral Principle" which essentially describes one of the basic intrinsic propensities or characteristics of the "Universal Consciousness Reality" (UCR) which relates to its basic "Unitary-Harmonious" nature; i.e., since there exists only one singular higher-ordered UCP/UCR – which exists both "during" it's (simultaneous) computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s and also solely exists (without the presence of any physical universe) "in-between" any two consecutive UF's frame/s, and since this unitary and singular UCR possesses an intrinsic propensity to encourage all "Individual Human Consciousness" (e.g., human beings) to realize their "inseparability" from this singular higher-ordered "Unitary-Harmonious" UCR; therefore the "Dynamic-Equilibrium Moral Principle" represents the UCP's intrinsic tendency towards "balancing" any "moral-injustice" or "immoral choice" made by any given Individual Human Consciousness towards another Individual Human Consciousness! Metaphorically speaking, in the same manner that a healthy human-being would never use their "right hand" to "inflict pain" upon their "left hand" (because they are part of the same human-being), so does this UCP's "Dynamic-Equilibrium Moral Principle" operate to "teach" and "correct" any given Individual Human Consciousness (e.g., person) who opts to inflict "pain" or "suffering" (G-d forbid) upon another Individual Human Consciousness to not repeat such "immoral-choice/s or action/s" based on its computation of an "equivalent negative (pain/suffering)" experienced by the same Individual Human Consciousness that decided to inflict pain upon another Individual Human Consciousness... This means that to the UCP's "Dynamic-Equilibrium Moral Principle" selects one of the multiple possible "future/s" for each Individual Human Consciousness based on its "moral/immoral" choice/s and action/s executed towards any other Individual Human

Consciousness – in order to "balance" any "immoral choice/action" so that that Individual Human Consciousness that chose (G-d forbid) to inflict pain upon another Individual Human Consciousness would have to "experience" (itself) such a "negative experience" (e.g., of the same degree of "pain"/"suffering" that it inflicted upon the other Individual Human Consciousness). Indeed, as mentioned above (and previously) the "Trampoline-Metaphor" was given wherein if a "metal-bar" was placed on the elastic sheath of a Trampoline such that it "connects" two points (equivalent to two Individual Human Consciousness), and to the extent that one of these two points "chose" to "push and press hard" the metal-bar against the other point – then this would inevitably lead to the other point automatically "pushing back" the metal bar against the "first-point" (which would be a representation of the Dynamic-Equilibrium Moral Principle's "balancing" of any "immoral-choice" made by one Individual Human Consciousness against another Individual Human Consciousness that "automatically" sets in motion the UCR's "balancing" and "teaching" that "inflicting-pain" Individual Human Consciousness having to experience the same "degree" of "pain/suffering" that it inflicted upon the other Individual Human Consciousness)... We therefore see that the selection of one of multiple possible "future/s" UF's for each Individual Human Consciousness is carried out by the UCR – based on the "moral/immoral choice/s" executed by any Individual Human Consciousness at any given point in time towards any other Individual Human Consciousness! (Obviously, such "incomprehensible", "infinite" Intelligence implied by this UCR's "infinite" capacity to compute and "balance" all of the almost either Billion Individual Human Consciousness towards any other Individual Human Consciousness at any past, present or indeed future/s time/s – may invoke a sense of "wonderment", "awe" and even "reverence" towards this UCR's "Infinite Intelligence" and also its basic "All-Goodness" propensity to "teach" and "harmonize" all Individual Human Consciousness to "respect" and regard any other Individual Human Consciousness as "inseparable" from the same singular higher-ordered "Universal Consciousness Reality"...) )

#### e) The UCP's "Expansion of Consciousness" (Inanimate & Animate) Hypothesis

But, even beyond the UCP's "Dynamic-Equilibrium Moral Principle", which computes one of multiple possible "future/s" UF's frame/s for each Individual Human Consciousness based on each Individual Human Consciousness' "selection" of "moral/immoral choice/s" at each point in time, there exists a more general tendency of the UCP to express ever more "expansive" forms of Consciousness – i.e., from the inanimate forms of "matter" (e.g., including all relativistic and quantum subatomic "particle/s" or "wave", the Four Forces of Nature etc.) through animate: plants, animals and leading up to human-beings (which manifests the most "expansive" form of Consciousness! Even within this

most advanced and "Expansive" form of Individual Human Consciousness (e.g., human-beings) there exists a further "Expanded form of Human Consciousness" – in which the Individual Human Consciousness is "inseparable" from the Universal Consciousness Principle (UCP or UCR), which was previously outlined; In this "expanded" form of Individual Human Consciousness the "expanded Human Consciousness" functions in a manner which is equivalent to the functioning of the UCR (e.g., in some respects, at least) – which implies that such "Expanded Individual Human Consciousness" can cognize- know- and even affect- any exhaustive spatial pixel/s in the universe (simultaneously and pertaining to any "past", present" or multiple possible "future/s" UF's frames)! Indeed, as previously outlined this "Expansion of Consciousness" hypothesis implies that there does not exist any real "separation" between the UCP's "driving" of the evolution of Inanimate forms (e.g., relativistic or quantum – including the accelerated expansion of the universe and all Four Forces, basic particles etc.) towards its more expansive expression of animate forms – including the whole presentation of ever more conscious forms of animate: plants, animals and human-beings and up to the most "expanded form of Individual Human Consciousness! Hence, for the first time, Science's New "G-d's Physics" 21<sup>st</sup> Century Paradigm "bridges the (apparent) gap" between its various sub-disciplines of Physics, Biology and Psychology etc., as comprising one fully integrated process allowing the UCP to express ever more "conscious" and "expansive" forms of manifestation!

**f) The UCP's "Collective Human Consciousness Focus Hypothesis" & Jewish "Rosh-Hashana" (New Year) Non-Continuous Accelerated Expansion Rate Prediction**

The next higher-up "rung" of the Hierarchical Laws of Manifestation is the "Collective Human Consciousness Focus" (hypothesis) which essentially points out that there exists a close connection between a state in which a multitude group of Individual Human Consciousness all focus collectively upon the singular higher-ordered UCP/UCR – in prayer to be "connected" or receive "plentitude" from this singular higher-ordered UCP/UCR, which brings about a "Blessing" or "Plentitude", "Life", "Growth", "Goodness" from this singular higher-ordered UCP/UCR! This "Collective Human Consciousness Focus Hypothesis" explains in what manner this singular higher ordered UCR bestow "Growth", "Expansion", "Life" or "Goodness" upon all of Humanity, and even towards the accelerated expansion of the physical universe! In other words, beyond the previous "Dynamic-Equilibrium Moral Principle's" account of the UCP/UCR's selection of one of multiple possible "future/s" UF's frame/s for each Individual Human Consciousness – in order to "balance" and "teach" each such Individual Human Consciousness to recognize it's inherent "oneness" and "unitary-harmony" with all other Individual Human Consciousness based on their common "inseparability"

from this singular higher-ordered UCR and its intrinsic basic "Moral Principle"; Beyond that there arises the question – what may "drive" the UCR's singular higher-ordered Reality to evolve the entire universe and particularly our own Human World and lives and continuously bestow "Life", Health", "Sustenance", "Goodness" to continue to sustain and evolve our physical existence and needs (material and spiritual etc.), as well as sustain and evolve the whole of Life, the various Suns, Galaxies and Universe at large?! Once again, we must remember that according to the New "G-d's Physics" Paradigm, we cannot (any longer) look towards any "material-causal" direct or indirect physical interactions between any two (or more) exhaustive spatial pixels, but rather must look at these higher-ordered "Hierarchical Laws of Manifestation" in order to be able to understand and "explain" the UCR's continuous computation- "dissolution" and evolution of every exhaustive spatial pixel comprising every consecutive UF's frame/s! Indeed, according to this "Collective Human Consciousness Focus Hypothesis" and associated Jewish "Rosh-Hashana" (New Year) "Non-Continuous Accelerated Expansion of the Universe" one of the "reason/s" for the singular higher-ordered UCR's continuous computation- sustenance- and evolution- of the entire physical universe is anchored in- or related to- a State of "Collective Human Consciousness Focus" towards this singular higher-ordered UCR, in which many millions of Individual Human Consciousness direct their focus and Consciousness collectively towards this UCR and pray for the bestowal of "Goodness, "Life", Happiness" etc.!

Indeed, according to one of the unique "Critical Predictions" differentiating the new "G-d's Physics" from the Old "Material-Causal" Paradigm is this particular prediction wherein there will be a "Non-Continuous Accelerated Expansion Rate" at the Jewish Rosh-Hashana (New Year) time-interval wherein the accelerated rate of the universe's expansion rate – observed in each Jewish Year prior to the "Rosh-Hashana" (New Year) will increase in a non-continuous rate ("leap") at the special "two-day" time interval of the New Rosh-Hashana time (and continue at this increased accelerated rate throughout the New Jewish Year) – due to the abovementioned "Collective Human Consciousness Focus Hypothesis", wherein Millions of Jews all over the world pray at this time to the singular higher-ordered UCR, "G-d" for providing them and the world with Life, Health, Growth etc.!

**g) The UCP's "Reversed-Time Goal Hypothesis" ("Geula")**

Indeed, the discovery of the UCP's "Non-continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana" special "time-interval" and the UCP's basic "Good-Will" propensity to bestow "Life", "Health", "Happiness", "Fulfilment" is closely related to the UCP's basic "Goal" in creating- sustaining- and evolving the entire physical universe, the "Expansion of

Consciousness" (e.g., including the development of inanimate, animate" plants, animals, human-beings) – all "designed" and "planned" to culminate in the leading up to another "higher" "Hierarchical Law of Manifestation" of the UCP which is called: the UCP's "Reversed-Time Goal (Geula) Hypothesis"! According to this "Reversed-Time Goal Hypothesis (Geula), the UCP's entire series of UF's frames – from the beginning of the manifestation of the inanimate physical universe through its various expressions of ever more expansive forms of animate: plants, animals and human-beings etc. – is all planned and designed initially to lead to the universe's "Perfected Geula" State: Physically, Morally and Spiritually! Indeed, as outlined previously, this Perfected State of "Geula" (e.g., a term signifying complete "Redemption" and "Perfection" in the Jewish Tradition) represents a state of the world in which there exists complete "harmony", "peace", and a basic recognition and gratitude of human-beings towards the basic underlying singular "All-Goodness" "UCR, i.e., "G-d" Reality which continuously sustains and evolves all of Life and the entire universe; Tis state is also typified by the lack of any "violence" or "aggression, the abolishment of "death" and complete peace, harmony and a deep sense of gratitude and appreciation, prayer and studying of this singular higher-ordered Universal Consciousness Reality, "G-d"!

#### **h) The UCP's "Good-Will" Hypothesis**

The next "higher-up" "Hierarchical-Law of Manifestation" is the basic intrinsic propensity of this singular higher-ordered UCP/UCR of "Good-Will" (hypothesis) which characterizes the UCP's basic "drive" to bestow "Goodness", "Life", "Growth" towards all of Life! This basic "Good-Will" propensity of the singular higher-ordered UCR manifests in its basic sustenance and Life-Giving force to create Life, sustain all of Life, fulfill the basic needs and beyond that create ever more "expansive" opportunities for Life in general and human-beings (in particular) to grow and evolve, to fulfil their full potential and to expand their Moral and Spiritual awareness towards appreciating the Oneness and Singularity of this Universal Consciousness Reality.

#### **i) The UCP's "Free-Will" Hypothesis**

Above and beyond all of these UCP's various "Hierarchical Laws of Manifestation" the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics and Science postulates that there exists the most basic "Free-Will" of the UCP – unbound by any "limits" of its creation of the physical universe and all of its various inanimate and animate forms, unaffected by any of the multifarious manifestations of the universe and which transcends even its own "ultimate Goal of Geula"! This entirely "Free-Will" origin of the UCP, nevertheless "cares" about the "Goodness" of Human-beings and all of Life; this is also where the Jewish concept of an unlimited "Compassion and Forgiveness" (e.g., Thirteen Propensities of Mercy") of this UCP manifests and where the basic Jewish concept of "Teshuva" – the ability to

ask for "forgiveness" from this singular UCR, "G-d" and to make a "sincere conscious decision" to "not repeat any immoral actions" is made possible (which was also shown to be capable of "altering" and indeed "avoiding" any of the negative possible "multiple future/s" instigated by any Individual Human Consciousness selection of any "immoral action/s", G-d forbid)!

So, we reach the inevitable conclusion that the physical universe does not exist as an "independent" "material-causal" entity; it was not created by an initial "Big-Bang" nuclear event; nor is it governed by mere "material-causal" physical interactions between certain "massive objects" and their (assumed "causal") "curvature of "Space-Time"; nor is it's accelerated rate of expansion "caused" by purely hypothetical "dark-matter" or "dark-energy" concepts; Nor its subatomic realm determined based on direct (or even indirect) physical interactions between any given subatomic "probe" and corresponding "target's probability wave function" entities – which is assumed to "cause" the "collapse" of these "target's probability wave function" into single ("complimentary" space-energy or time-mass) single value!/? Nor can we explain the behavior of the "Four (basically assumed) Forces" (e.g., Strong, Weak, Electromagnetic and Gravitational) based on any direct physical interaction/s between particular rudimentary subatomic particles (as the Standard Model assumes)!/? Instead, the New "G-d's Physics" "A-Causal Computation" Paradigm discovered the existence of a singular higher-ordered "Universal Computational Principle" – later on revealed to constitute a "Universal Consciousness Reality" (UCR) which simultaneously computes all exhaustive spatial pixels in the universe for every consecutive UF's frame/s at the incredible rate of " $c^2/h = 1.36^{50}$  sec"! Moreover, the New "G-d's Physics" Paradigm's discovery of the existence of the singular higher-ordered UCR which exists continuously and constantly – both "during" its (simultaneous) computation of every consecutive UF's frame/s and also solely exists (without the presence of any physical universe) "in-between" any two such consecutive UF's frames has led to a profound fundamental Paradigmatic-Shift in our basic understanding of the nature, origin, dynamics and evolution of the entire physical cosmos! This is because the basic realization that the physical universe does not exist (any longer) as an "independent material" entity – but only as a "transient-phenomenal" manifestation of the singular continuous and "real" and "permanent" underlying "Universal Consciousness Reality" – which is governed based on its own intrinsic "Ten Laws of Hierarchical Manifestation" transforms the whole of Science and our basic understanding of the physical universe!

#### **5. A "Reversed-Time Goal Hypothesis" "Geula-Directed" New Science & Universe!**

So, it seems that both Physics (specifically and Science, more generally) is undergoing a Major "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm

underlying Relativity Theory and Quantum Mechanics to the New "G-d's Physics" "A-Causal Computation" Paradigm which completely revises and transcends the Old "Material-Causal" basic assumption: That is, the universe was not created by an initial "Big-Bang" nuclear event because there could not have been any "cause and effect" physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the first- second- third- etc. UF's frame/s! Rather, the entire physical universe is being computed- "dissolved"- and re-computed- for each consecutive UF's frame/s, so there cannot exist any (direct or even indirect) "material-physical" interaction/s in any single- or multiple- UF's frame/s between any relativistic or quantum entities, elements, or even forces! Instead, the whole universe is being created- "dissolved"- re-created an evolved- so many billions of times per second solely by this singular higher-ordered Universal Computational/Consciousness Principle! Indeed, as indicated above, Twenty-first Century Theoretical Physics (and Science more generally) has to revise its basic understanding of the true nature- and dynamics- of the entire physical universe such that the origination, sustenance and evolution of the universe cannot be explained from "within", i.e., including the negation of the hypothetical existence of "dark-matter" and "dark-energy" as "superfluous" (non-existence!) as "causing" the accelerated expansion of the universe – but rather as being propelled, computed, "dissolved", re-created and evolved solely by the abovementioned "Ten Laws of Hierarchical Manifestation"! The universe is being created continuously based on the singular higher-ordered UCP's Ten-Laws of Hierarchical Manifestation, which means that it is not constrained by any direct (or indirect) "material-causal" physical interactions but is rather directed solely by the UCP's intrinsic characteristics such as its "Goodwill", "Free-will", etc.

Indeed, the New "G-d's Physics" Paradigm reveals to Science that contrary to the Old "Material-Causal" Paradigm's basic assumption wherein the whole origination, dynamics and evolution of the entire physical universe is based on direct, "chance"-driven physical interactions between certain "massive objects" which "cause" the "curvature of space-time", or between certain given subatomic "probe" and "target's probability wave-function" elements which "causes" the "collapse" of this target's "probability wave function"; according to the New "G-d's Physics" Paradigm the universe is being continuously computed- "dissolved"- re-computed and evolved- solely based on the UCP's "Ten Laws of Hierarchical Manifestation" – amongst which the UCP's "Reversed-Time Goal "Geula" Hypothesis" is central: According to this "Reversed-Time Goal "Geula" Hypothesis, the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) or "Universal Consciousness Reality" (UCR) initially created- and is continuously (and constantly) creating the universe (so many Billions of times per second) solely based on its "intrinsic drive" to lead the universe towards

its ultimate, e.g., "Moral", "Spiritual" and even "Physical" Perfected State! A State of complete recognition of the oneness and unity of all creation with this singular UCP (or UCR), a State of complete "harmony" and "peace", resulting from one of the other Ten Laws of Hierarchical Manifestation, i.e., the "Dynamic-Equilibrium Moral Principle", which essentially states that since all Human Consciousness truly comprise integral ("inseparable") elements of the singular higher-ordered Universal Consciousness Reality, then this singular UCR continuously "strives" towards "balancing" or "correcting" any "immoral-balance" created by any "immoral choice" made by any given Individual Human Consciousness towards another Individual Human Consciousness – which therefore "selects" one of multiple possible future/s by the UCP for any such Individual Human Consciousness in order to "correct" any "immoral-choice" that it has made (e.g., by "experiencing" an "equivalent situation" etc. which will make it realize its intrinsic "oneness" with any other Individual Human Consciousness as constituent elements within the oneness of the Universal Consciousness Reality)!

Thus, according to this New "G-d's Physics" Paradigm, the singular higher-ordered UCR has created- and is continuously creating- the entire physical universe solely for the purpose of manifesting ever more expansive forms of this Universal Consciousness Reality: from "inanimate" matter through "animate": plants, animals, human-beings – and up to the ultimate "Geula-Goal" of the completely Perfected Moral, Spiritual and Physical State, in which the oneness and unity, peace and harmony of this singular UCR will be acknowledged and realized by Humanity and Science! Therefore, the universe was not created by an initial "random" nuclear "Big-Bang" event, nor is it driven towards a complete "dissolution" of all the suns, galaxies as predicted by the "Second Law of Thermodynamics", nor does the origination and evolution of the various Life-forms on our planet being directed by a random "Natural Selection Principle" (as predicted by Darwin): rather the universe is being continuously created- "dissolved" recreated and evolved (simultaneously) at each of its constituting exhaustive spatial pixels solely by the continuous operation of the singular higher-ordered UCR from the "beginning" only in order to manifest ever more expansive manifestations of this singular higher-ordered UCR towards its ultimate "Perfected Geula State", in which the sole presence and creation of all of the elements and beings in the universe will be realized to comprise integral parts of this singular higher-ordered Universal Consciousness Reality, and in which our "moral responsibility" of acting and making "moral-choices" towards our other fellow human-beings will become a key recognition by Twenty-first Century Science!

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## 'G-D'S PHYSICS' (CUFT) NEW PHYSICS' PARADIGM: "MIRACLES" CAN HAPPEN!?

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### ABSTRACT

Twenty-first Theoretical Physics is undergoing a profound "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying both Relativity Theory (RT) and Quantum Mechanics (QM) to the New "G-d's Physics" ("Computational Unified Field Theory", CUFT) Paradigm; The New 'G-d's Physics' Paradigm has been shown capable of resolving the apparent "theoretical inconsistency" between Relativity Theory (RT) and Quantum Mechanics (QM) and offer an alternative theoretical explanation for the accelerated expansion of the physical universe (which cannot be explained by the purely hypothetical and undetectable "dark-matter" and "dark-energy" concepts); Based on the discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which *simultaneously computes* every exhaustive spatial pixel in the universe at the incredible rate of  $c^2/h = 1.36^{50} \text{ sec}^{-1}$  (!) this New 21<sup>st</sup> Century Physics Paradigm challenged and revised the basic "Material-Causal" assumption of the Old 20<sup>th</sup> century Old RT & QM Models: challenging the "Big-Bang" Model, Einstein's Equations, QM's assumed "collapse" of the target's probability wave function (following its assumed direct physical interaction with the corresponding subatomic probe element) etc. Instead, due to the New 'G-d's Physics' additional "Computational Invariance Principle" and "Universal Consciousness Reality" theoretical postulates indicating that only the "computationally invariant" UCP may be considered as "constant" and "real", whereas the "computationally variant" four basic physical features of "space", "energy", "mass" and "time" may only be regarded as "phenomenal" and "transient" – i.e., existing only "during" each consecutive "Universal Frame" (UF) being solely computed by the singular UCP, but "dissolving" back into this singular UCP "in-between" any two consecutive UF's frames; forces us to regard the whole existence of the entire physical universe (and its associated apparent "physical laws") as existing only "transiently" and "phenomenally" – as "manifestations" of this singular higher-ordered "Universal Computational/Consciousness Reality" (UCR)!

### 1. Introduction: Twenty-First Century's New 'G-d's Physics Paradigm

Twenty-first century Theoretical Physics has undergone a major "Paradigmatic-Shift" – i.e., from the Old 'Material-Causal' Paradigm underlying Relativity Theory (RT) & Quantum Mechanics (QM) towards the New 'G-d's Physics' ('Computational Unified Field Theory', CUFT) Paradigm which was shown capable of resolving the apparent "theoretical inconsistency" between RT & QM, and also offer an alternative satisfactory explanation for certain key Old 'Material-Causal' unexplained physical phenomena, including: the "dark-matter" and "dark-energy" (purely hypothetical) concepts whose empirical validation failed (thus far) but which is supposed to account for up to 95% of all of the mass and energy in the universe!?! As analyzed by Thomas Kuhn in his famous Book "On the Structure of Scientific Revolutions" (1962), Scientific investigation (and progress) within a given field shifts between phases of "Standard Science" in which the scientific inquiry within

a given discipline is based on an acceptable "Standard Paradigm" possessing certain assumptions, laws and stipulations, followed by an inevitable "Paradigmatic-Shift" phase in which the Old 'Standard Paradigm' doesn't suffice (any longer) to explain certain key (new) phenomenon, in addition to which there usually arise particular "theoretical inconsistencies" within the very foundations of the Old 'Standard Paradigm'... Indeed, this was the case when Einstein came along (e.g., prior to his 1905 "Annus-Mirabelus" and the 1915 ultimate empirical validation of one of the "critical predictions" of his New "Relativity Theory" Paradigm); The two basic "pillars" of the Old 'Standard Paradigm' of "Newtonian Mechanics" and Maxwell's "Electromagnetic Theory" seemed "contradictory" of each other and a key assumption within Newtonian Mechanics associated with the existence of the "ether" concept (which was supposed to pervade the entire physical universe) could not be found empirically despite numerous attempts to do so!?! This called for a "Paradigmatic-Shift" from the Standard

Newtonian-Maxwellian Paradigm to 20<sup>th</sup> century "Relativity Theory" and subsequently also Quantum Mechanics' Paradigm"...

Indeed, we've now reached an equivalent "pivotal-point" along the development of Science, wherein these two "pillars" of 20<sup>th</sup> century Theoretical Physics seem "contradictory" of each other, and the key empirical phenomenon of the accelerated expansion of the universe – cannot be account for by the purely hypothetical concepts of "dark-matter" and "dark-energy" which are supposed to account for up to 95% of all the mass and energy in the physical universe, but cannot be empirically detected! Now, as then, the Newly discovered "G-d's Physics" (Computational Unified Field Theory, CUFT) Paradigm is able to resolve this apparent "theoretical inconsistency" between RT & QM, embed the key elements of both Models within a singular "Universal Computational Formula" (UCF), and offer an alternative theoretical account for the accelerated expansion of the physical universe – while "discarding" the purely hypothetical concepts of "dark-matter" and "dark-energy" as "superfluous" (i.e., non-existent)!?

**Universal Computational Formula (UCF)**

$$\left. \begin{matrix} \text{c}^2 \\ - \\ \text{h} \end{matrix} \right\} \text{UF's } \{\eta \dots \eta \dots \kappa\} = \frac{\text{s} * \text{e}}{\text{t} * \text{m}}$$

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "כ through "מ " to "י") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec<sup>-1</sup>!

Succinctly stated, this New 'G-d's Physics' Paradigm is based on the discovery of a new singular, higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe at the incredible rate of "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec<sup>-1</sup>!, thereby producing a series of "Universal Frames" (UF's) depicting the entire universe (at every such minimal "time-point")! According to this New 'G-d's Physics' (CUFT) Paradigm, the whole entire physical universe "dissolves" back into the singularity of this singular, higher-ordered UCP "in-between" any two consecutive UF's frames...

One of the key differences between this New 'G-d's Physics' (CUFT) Paradigm and the Old 'Material-Causal' Paradigm is its insistence upon the "simultaneity" of the UCP's computation of each exhaustive spatial pixel, e.g., for each consecutive UF's frame/s, which negates the very possibility of the existence of any direct physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different-UF's frames! This is because, if indeed all exhaustive spatial pixels comprising the entire physical universe are *simultaneously* computed by the (singular, higher-ordered) UCP for each consecutive UF's frame/s then there cannot exist any such direct physical interactions taking place at any (single or multiple) UF's frame/s! Likewise, since according to his New 'G-d's Physics' Paradigm the entire physical universe "dissolves" "in-between" any two consecutive UF's frames, therefore there cannot also exist any such physical interactions, e.g., between any two (or more) exhaustive spatial pixels existing across different UF's frame/s! Nor can there be any "transference" of any "material" entity or effect across any two consecutive UF's frame/s! This entirely new singular higher-ordered conception of the physical universe as being continuously computed, "dissolved", re-computed and evolved by the singular, higher-ordered UCP has led to the negation- and revision of some of the most basic 'Material-Causal' assumptions underlying both RT & QM: Thus, for instance, RT's assumed 'Big-Bang' nuclear explosion which supposedly "caused" the creation of all suns' galaxies, planets, 'mass' and 'energy' etc. in the universe was challenged and negated by this New 'G-d's Physics (CUFT) Paradigm, due to the principle impossibility of the existence of any such direct physical interaction/s between any two (or more) exhaustive spatial pixels in the first, second, third etc. UF's frames, comprising the 'Big-Bang' Model! Instead, the New 'G-d's Physics' Paradigm stipulates that for each consecutive UF's frame/s, the singular, higher-ordered UCP simultaneously computes the four basic physical features of 'space' and 'energy', 'mass' and 'time' for each exhaustive spatial pixel comprising the entire physical universe – thereby in effect stating that the origination- "dissolution"- re-creation- and evolution of each exhaustive spatial pixel comprising the entire physical universe is an ongoing, continuous process produced solely by the singular higher-ordered UCP!

Likewise, the New 'G-d's Physics' Paradigm negated the basic 'Material-Causal' assumption underlying General Relativity's "Einstein's Equations", e.g., assuming that it is the direct physical interactions between certain "massive objects" and "Space-Time", which "causes" the "curvature" of this 'Space-Time', and conversely that it is this 'curved Space-time' which "causes" (or determines) the "travelling pathways" of these 'massive objects' (or other less massive objects); This basic Old 'Material-Causal' Paradigm's assumption is being negated and rejected by 'G-d's Physics' New Paradigm's insistence upon the simultaneity of the UCP computation of all exhaustive spatial pixels in the universe (for each

consecutive UF's frame/s) and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frames! Therefore, there cannot exist any such direct physical interactions between any two (or more) exhaustive spatial pixels comprising the entire physical universe – hence negating the possibility of certain 'massive objects' "causing" the 'curvature of Space-Time', and conversely of such 'curved Space-Time' "causing" the particular 'travelling pathways' of these 'massive objects' (and other less massive objects)! As a matter of fact, the entire evolution of the physical universe – as originated by a (hypothetical) initial 'Big-Bang' nuclear explosion, subsequently evolved by Einstein's Equations – e.g., including the purely hypothetical "dark-matter" or "dark-energy" entities "causing" the empirically observed accelerated expansion of the universe etc. – is completely negated and rejected by the New 'G-d's Physics' Paradigm's insistence upon the continuous, simultaneous computation of the singular, higher-ordered UCP of each and every exhaustive spatial pixel in the universe for each consecutive UF's frame/s, and the complete "dissolution" of all of these universe's exhaustive spatial pixels "in-between" any two consecutive UF's frame/s!

In much the same manner, the New 'G-d's Physics' Paradigm was shown to negate the Old 'Material-Causal' Paradigm's assumption underlying Quantum Mechanics: According to QM 'Material-Causal' assumption, any given subatomic target possesses a "probability wave function" prior to its subatomic measurement brought about through its direct physical interaction with another corresponding subatomic 'probe' element – which then "causes" the "collapse" of this 'probability wave function's multifarious values into a singular (complimentary 'space-energy', 'mass-time') value. But, as we've already seen, since the New 'G-d's Physics' Paradigm postulates that the singular higher-ordered UCP simultaneously computes all exhaustive spatial pixels comprising the entire physical universe (e.g., for each consecutive UF's frame/s), therefore the New 'G-d's Physics' negates the very possibility of any such direct physical interaction between any two such subatomic 'probe' and 'target' elements (i.e., at any single or multiple UF's frames); Likewise, QM's basic assumption regarding the dual nature of any such subatomic 'target' element – which can exist either as a 'particle' or as a 'wave' has been considerably revised by the New 'G-d's Physics' Paradigm based on its discover of the singular higher-ordered UCP; This is because this single, higher-ordered UCP is postulated to simultaneously all "exhaustive" spatial pixels comprising any given consecutive UF's frame – including: all 'single spatial-temporal' "particle" values and 'multiple spatial-temporal' "wave" values, as embedded within the exhaustive computational framework of the consecutive UF's frames (comprising all exhaustive spatial pixels of the entire physical universe for each 'minimal time point').

## 2. The UCP's Singular Higher-Ordered "Universal Consciousness Reality"

Now, after having glimpsed the significance of "G-d's Physics" New 21<sup>st</sup> century Paradigm, we are ready to analyze and discuss some of the unique (new) features of this novel 'G-d's Physics' (CUFT) theoretical postulates; Thus, for instance, the new "A-Causal Computation" theoretical postulate asserts that since the singular higher-ordered UCP simultaneously computes all exhaustive spatial pixels in the universe, e.g., for each consecutive UF's frame/s, and since the entire universe "dissolves" in-between any two such consecutive UF's frames, therefore the other "Computational Invariance Principle" postulate suggests that only the "computationally-invariant" UCP, which exist constantly and continuously both "during" its computation of each consecutive UF's frame, and also exists (singularly) "in-between" any two consecutive UF's frames (without the presence of any physical universe) may be regarded as "real", whereas the entire physical universe – which exists only "during" each consecutive UF's frame (as totally contingent upon the UCP's simultaneous computation of all exhaustive spatial pixels) but ceases to exist and "dissolves" back into the singularity of this UCP "in-between" any two consecutive UF's frames may only be regarded as "transient" and "phenomenal" (termed: "computationally-variant")! Indeed, these two new UCP's 'A-Causal Computation' and "Computational Invariance Principle" theoretical postulates completely alter our basic understanding (and appreciation) of the true nature of the physical universe – as representing only a "transient", "phenomenal" manifestation of the singular Universal Computational/Consciousness Principle (UCP)! If the entire physical universe exists only "transiently" and "phenomenally" – "during" each consecutive UF's frame/s, but "dissolves" back into the singularity of the UCP "in-between" each two consecutive UF's frames, then we cannot regard it (any longer) as a "real-independent" physical reality that exists "in and of itself", but only as a "manifestation" of the singular "computationally-invariant" "Universal Computational/Consciousness Principle" (UCP), which exists "uniformly" and "constantly" – both "during" its (extremely rapid:  $c^2/h = 1.36 \cdot 10^{50}$  sec<sup>-1</sup>) computation of each consecutive UF's frame/s, and also solely exists (without the presence of any physical universe "in-between" any two consecutive UF's frames; then we must reach the inevitable theoretical conclusion wherein only this singular 'computationally-invariant' UCP may be regarded as "real" and "constant", whereas the entire physical universe is seen only as a "transient", "phenomenal" manifestation of this singular higher-ordered "Universal Consciousness Reality"!

Indeed, one of the most advanced theoretical postulates of this New 'G-d's Physics' (CUFT) Paradigm is the "Universal Consciousness Reality", i.e., which suggest that since only this singular higher-ordered 'Universal Computational/Consciousness Principle' (UCP) exists 'uniformly' and 'continuously' – both "during" its

(simultaneous) computation of each consecutive UF's frame/s and also "in-between" each two such consecutive UF's frames, whereas the entire physical universe is seen as existing only "during" these consecutive UF's frames, but completely "dissolve" back into the singularity of the UCP 'in-between' any two such consecutive UF's frames; therefore, in truth, there exists only one "solid", "continuous" "unchangeable" reality which is termed: the "Universal Consciousness Reality", which exists solely (without the presence of the physical universe) 'in-between' any two UF's frames, and which "manifests" as the physical universe "during" each consecutive UF's frame/s! The realization of the singularity and "oneness" of all creation, of every exhaustive spatial pixel in the universe – with this singular "Universal Consciousness Reality" and the emphasis on this singular "Universal Consciousness Reality" being identified with the "Universal Consciousness Principle" arises (among other considerations) particularly from the abovementioned "Computational Invariance Principle"! This is because when we realize that according to this 'Computational Invariance Principle' there cannot "pass" any "material-entity" or any "material-effect" from one (given) 'Universal Frame' to any other consecutive UF's frames – due to the complete "dissolution" of all of the universe's exhaustive spatial pixels "in-between" any two consecutive UF's frame/s, then we must accept the fact that the entire physical universe is "retained" in a "potential-form", i.e., as a "memory" within this singular higher-ordered "Universal Consciousness Reality" 'in-between' any two consecutive UF's frame/s!?

The entire physical universe is undergoing a "dramatic" metamorphosis from being considered as an "objective-independent" physical or "material" entity to being realized as only an "active-memory" or "active manifestation" of the only "real", "continuous" and "constant" "Universal Consciousness Reality"! Since all of the exhaustive spatial pixels comprising the entire physical universe – "dissolve" 'in-between' any two consecutive UF's frames back into the singularity of the Universal Consciousness Reality, so that no "material-entity" or no "material-effect" "pass" across any two such consecutive UF's frames, therefore the only manner in which any "atom", "plant" or "even "Human-Being" can continue to "exist" and even "evolve" across a given series of UF's frames – is only based on the "Conscious-Memory" of this singular higher-ordered "Universal Consciousness Reality"! This singular, higher-ordered "Universal Consciousness Reality" may be likened to what's happening in Human-Being's "Dream State" of Human Consciousness: we can see that even though, during the 'Dream-State' everything in the 'Dream' seems very "real" and "physical", when we "awaken" from this 'Dream State' into the 'Waking State' we realize that every "exhaustive spatial pixel" comprising the entire 'Dream State' "universe" – was in truth, only a manifestation of the Human Consciousness of that individual! To use the previously mentioned "Cinematic-Film Metaphor" which likens the singular "Universal

Computational/Consciousness Principle" (UCP) continuous production of the entire physical universe to the dynamics of a 'Cinematic-Film'; it was illustrated in this 'Cinematic-Film Metaphor' that in the same manner in which we could calculate the "energy" ("velocity") of any given object in the film based on the degree of its "displacement" across a given series of 'Cinematic-Film Frames', so does the "Universal Computational/Consciousness Principle" compute each and every exhaustive spatial pixel in the physical universe based on its two (out of three) Computational Dimensions, e.g., "Framework" ('frame' or 'object') and "Consistency" ('consistent' or 'inconsistent') four possible combinations which yield the four basic physical features of 'space' and 'energy', or 'mass' and 'time'! In that 'Cinematic-Film Metaphor' (elaborated and delineated extensively in multiple previous peer-reviewed published scientific articles), it also became apparent that 'in-between' any two consecutive 'Cinematic-Film' Frames the "reality" of all of the exhaustive spatial pixels comprising the entire 'Film-Universe' "dissolved" or was "retained" only within the Film's stored "dvd's bank" of all "past", "present" and "future" 'Film-Frames'! Indeed, we may say that the only "reality" of the "Film's Universe" – whether it be "during" the presentation of each consecutive 'Film-Frame' (e.g., considered as the "present" state in the 'Film's Universe') or whether it be "in-between" any two consecutive UF's frame/s in which there only exists the "pure-light" and the 'Film-Frames' are all "stored" within the "dvd's bank" of "past", "present" or "future" frames, at all "times" the entire "Film's Universe" exists only as part of the dvd's bank of frames! This was shown to be somewhat equivalent to the "nature" and "dynamics" of the singular higher-ordered 'Universal Consciousness Principle's production- "dissolution"- re-computation- and evolution- of each and every exhaustive spatial pixel/s comprising the entire physical universe! It was indicated that this singular higher-ordered "Universal Consciousness Principle" (UCP) or "Universal Consciousness Reality" (UCR, as discussed also above) possesses a higher-ordered "Multi Spatial-Temporal Reservoir" which comprises all "past", "present" or multiple possible "future/s" 'Universal-Frames' (UF's) of the entire physical universe!

Nevertheless, there exist a few significant changes between this 'Cinematic-Film Metaphor' and the UCP or UCR's production- dissolution- re-computation- and evolution- of the entire physical universe to its "metaphoric" 'Cinematic-Film' progression; as stated previously, these differences include: the fact that unlike the 'Cinematic-Film' Metaphor in which every object that exists in one 'Film-Frame' – is likely to be presented (and "exist") in the subsequent 'Film-Frame', regardless of its "mass" value, within the UCP's sole extremely rapid production of the entire physical universe, relatively "more massive" objects will be presented at a greater number of 'Universal-Frames' than relatively 'less-massive' objects! This was, in fact, one of the unique "critical-predictions" of the New 'G-d's Physics' (CUFT)

Paradigm which differentiates it from the corresponding predictions of the Old 'Material-Causal' Paradigm! This is because according to the New 'G-d's Physics' Paradigm the "mass" of any given relativistic object or subatomic particle entirely depends on the UCP's computation of that "object-consistent" presentations across a given series of Universal-Frames (UF's), so that a relatively 'more-massive' object would be presented across a greater number of UF's frames than a relatively 'less-massive' object! This unique "critical-prediction" of the New 'G-d's Physics' Paradigm can be tested in subatomic Accelerators – by comparing the presence of a relatively 'less-massive' particles such as the "electron" across a given number of such 'Universal Frames' to the equivalent "Fine-Temporal Measurement" of the presence of 'more-massive' particles such as the "Muon"(e.g., with a "technological constraint" imposed on such extremely rapid measurement for which a "sampling" procedure was suggested)! Indeed, based on a previously published article which predicted that the relatively 'more massive' 'Muon' particle would be measured across a greater number of UF's than the relatively 'less-massive' electron particle (and that the presentation of the 'more massive' Muon particle should be proportionally more "spatially-consistent" and yield "accurate" subatomic measurements according to the New 'G-d's Physics' CUFT UCP's computational definition of "mass), this was shown to be corroborated empirically through the findings associated with the "Proton-Radius Puzzle" (Pohl, 2010) Nevertheless, recent published articles called the International Physicists/Astronomers/Cosmologists community to carry out several specific experiments and observations that could test some of this New 'G-d's Physics' unique "critical-predictions" of which this subatomic Accelerator's measurement of the greater number of times that the more massive 'Muon' particle would be detected across a series of (sampled) UF's frames, than the less massive electron particle!

Perhaps more significantly, another difference between the abovementioned 'Cinematic-Film Metaphor' and the Universal Consciousness Principle (UCP or UCR) relates to the existence of "multiple possible future/s" – and (most recently discovered) also "multiple possible past/s"! According to the New 'G-d's Physics' (CUFT) Paradigm, the UCP's higher-ordered "Multi Spatial-Temporal Reservoir" comprises all of the (multiple possible) "past/s", "present" and (multiple possible) "future/s" UF's frames – for each Individual Human Consciousness, based on its Moral-Choice/s made at each given moment in time! This was associated with 'G-d's Physics' discovery of the "Dynamic-Equilibrium" Moral Principle, which postulates that the singular higher-ordered UCP (or UCR) possesses an intrinsic propensity to strive towards a "Moral-Balance", towards a State of "Harmony (and indeed "Moral-Perfection", as will be further discussed later on in this article), which stems from the "Inseparability" of all Individual Human Consciousness from this singular higher-ordered

"Universal Consciousness Reality"! Another "Trampoline-Metaphor" was utilized to try and elucidate the "nature" and "dynamics" of this "Unitary", "Moral-Balancing" operation of the UCR: imagine a "Trampoline" delicate 'Membrane' – to which is attached a "Metal-Bar" connecting two "Individual Points" along this 'Membrane'; now imagine a situation in which one of these 'Individual Points' opts to "inflict pain/suffering" upon the other point, e.g., by "pushing" this 'Metal-Bar' against the other point... Obviously, such a "violent (immoral) action" would trigger an "opposite-equal" violent action wherein that same 'Metal-Bar' would cause the first "inflicting-pain" point to "experience" the same degree of "pain/suffering" that it imparted unto the 'other point'! This 'Trampoline Metaphor' would be likened to UCP's "Dynamic-Equilibrium" Moral Principle which states that since all of the apparently "separate" "Individual Human Consciousness", in truth, comprise integral parts of this singular (unitary) 'Universal Consciousness Reality' (UCR) therefore the UCR possesses an intrinsic propensity towards "balancing" and harmonizing" all of its constituent 'Individual Human Consciousness' elements! This implies that just as in the 'Trampoline-Metaphor', any case in which one 'Individual Human Consciousness' makes a "Moral-Decision" to "inflict-pain" or "suffering" upon another Individual Human Consciousness this "triggers" a computation by the UCR to "balance" this transient "moral-imbalance" by producing a situation in which that Individual Human Consciousness (one "point" along the UCR's "Membrane") which inflicted the 'pain/'suffering' upon the second 'Individual Human Consciousness' (a 'second' point along the UCR's 'Membrane') – would have to experience an "equivalent" (degree and intensity) of the same kind of 'pain/'suffering' that it inflicted upon the other Individual Human Consciousness...

As mentioned above, this creates the possibility of "multiple possible future/s" – and by extension also "multiple possible past/s", based on any (of the almost eight Billion!) Individual Human Consciousness selection of any given "Moral-Choice/s" at any given point in time!? To give an illustrative example of this UCR's selection of one of multiple possible "future/s" for each Individual Human Consciousness, imagine a scenario in which a high-level CEO is on its way to an important "annual-meeting" with the "Board of Directors" – in which it knows he will be offered a significant "bonus" for his successful achievements during that consuming year; But, as he speeds in his nice (brand-new "Lamborghini") car encounters an "unexpected" slow-down in traffic, as he notices an 'injured-driver' in his "crashed-car", (G-d-forbid) "bleeding"... our CEO quickly considers the "Moral-Choice" at hand: should he stop and "rescue" this "injured bleeding driver" in his (brand-new) Lamborghini car and potentially "miss" his important annual meeting – or should he make (an "unlawful") "U-Turn" and "pretend" that he "didn't see" this "injured bleeding driver" – and let somebody else "take-care" of

this "problem"? Well, the idea is that for each of this CEO's potential 'Moral-Choice/s' there is a corresponding selection of one of "multiple possible future/s"! If he selects the "right Moral-Choice" – and evacuates this 'injured-bleeding driver' on his nice (luxurious leather) seats and "potentially misses" that important "annual-meeting", then by selecting this "noble" Moral-Act, this CEO Individual Human Consciousness has "de-facto" selected an equivalent "Moral-future" for himself! The UCR registers and "remembers", calculates and produces precisely such a singular "future" for that CEO – in which he will also "need assistance" in some "critical situation" and would be "rescued" by some other 'Individual Human Consciousness', e.g., likely that same "injured-driver" Individual Human Consciousness! Conversely, if that important CEO opted to make an "Immoral-Choice", making an (illegal) U-Turn and rushed to that important "annual-Board meeting" – then that poor 'Moral-Choice' would also "trigger" a "proportionate" UCR computation of another possible "future" – which would force this CEO to "experience" an "equivalent-situation" in which he will be "injured" and need urgent assistance – 'G-d forbid', "suffering" the same kind of pain/suffering that it "inflicted" (or was at least was involved in)... It is important to note that this UCR's singular higher ordered 'Dynamic-Equilibrium' Moral Principle "balancing" of any "Moral/Immoral" Choice/s made by any Individual Human Consciousness – is propelled by the UCR's intrinsic "Good-Will" and "Free-Will" propensities which "strives" to bring the entire physical universe towards an Ultimate Goal State of "Geula", e.g., a State of utter "Moral-Perfection", in which the "Oneness", "Magnanimity", Infinite "Wisdom", "Peace", "Harmony" of this singular higher Ordered UCR will be manifest in- and throughout the entire physical universe!

### 3. The Moral "Dynamic-Equilibrium" Principle, Multiple "Future/s" and "Past/s", "Miracle/s" & the UCR's Ultimate "Geula" Goal!

So, we reach the inevitable conclusion wherein the physical universe – does not exist as an "objective-independent" reality, but rather as a manifestation of the singular higher-ordered "Universal Consciousness Reality" which exists both "during" each consecutive UF's frame/s (e.g., as solely computing each exhaustive spatial pixel's four basic physical features of 'space', 'time', 'energy' and 'mass' comprising the entire physical universe), as well solely exists (without the presence of any physical universe) "in-between" any two such consecutive UF's frame/s! We understood therefore (e.g., through the Cinematic-Film Metaphor) that alike the (somewhat equivalent) 'Cinematic-Film' dynamics, that the appearance of the "physical universe" in the film – is realized to exist only "transiently" and "phenomenally" "during" each consecutive 'film-frame', but ceases to exist 'in-between' any two consecutive frames; But, unlike this 'Cinematic-Film' Metaphor, in the case of the Universal Computational/Consciousness Reality's (UCR) extremely rapid production (" $c^2/h$ "= $1.36^{50}$  sec') of the

'Universal-Frames', each exhaustive spatial pixel in the universe actually "dissolves" back into the singularity of this UCR – and comprises an integral part of It! Unlike the 'Cinematic-Film Metaphor', in which the various "past", "present" and "future" film-frames are simply "stored" within the film's "dvd" storage, but they are not integral parts of the "Film's Director's Consciousness" – and hence cannot undergo any "interactive-dynamic change" that relates to any "remorse" or any "changes" taking place in the Director's Consciousness; to revert back to the earlier mentioned UCR's "Multi-Spatial-Temporal Reservoir" which contains all "multiple possible past/s", "present" and all "multiple possible future/s" the basic assumption of the New 'G-d's Physics' Model is that based on the "Dynamic-Equilibrium" Moral Principle, at each point in time, the UCR (or UCP) computes – and selects one of multiple possible "future/s" for each Individual Human Consciousness based on the Moral Choice/s. Similarly, recently 'G-d's Physics' New Paradigm discovered that through a conscious process of "teshuva" (based on the Jewish Tradition concept) – i.e., including a sense of "remorse", a strong conscious decision to not repeat any "wrong-doing", and a willingness to "ask for forgiveness", e.g., from the other person upon which this Individual Consciousness inflicted "pain" or "suffering", as well as from this singular higher-ordered UCR – for "violating" it's (intrinsic) "Dynamic-Equilibrium" Moral Principle; based on this "teshuva" conscious process, it is possible for any such given Individual Human Consciousness to alter its previous "past" – into an alternate (new) "past" which conforms with the newly-made conscious "Moral-Choice" brought about by this "teshuva" process! This means that unlike in the regular "Cinematic-Film" Metaphor, in which all of the given 'film-frames' constituting a given film are "fixed" and remain constant (and singular) for all "past", "present" and "future" film-frames, in the UCR's computation and depiction of the physical universe, there exists multiple possible "future/s" – based on the "present" Universal Frame's "Moral/Immoral Choice" determined by any given Individual Human Consciousness, which "selects" one of multiple possible "future/s", and which can also potentially alter and change that Individual Human Consciousness' "past" (e.g., to the extent that that Individual Human Consciousness makes a conscious "teshuva" Moral Good Choice which then alters that Individual Human Consciousness past "wrong-doing/s")!

Indeed, when we come to consider the wider scope of the UCR's singular production- sustenance, "dissolution" and evolution of each and every exhaustive spatial pixel comprising the entire physical universe (for each consecutive Universal Frame's minimal time-point), we realize that this UCR's production and evolution of the entire physical universe – from its very first "inception" throughout its evolution and leading up to its ultimate Goal of "Moral, Spiritual and Physical Perfection" termed: "Geula" (in Jewish Tradition) is "driven" by this singular higher-ordered UCR's "Ten Laws of

Hierarchical Manifestation"(previously discussed); These "Ten-Laws of Hierarchical Manifestation" posit that this singular higher-ordered UCR possesses a basic fundamental "Good-Will" propensity to "Do-Good", "Give-Life" and advance the whole of the physical universe towards an ever growing "awareness" and "manifestation" of this singular higher-ordered UCR's production, manifestation and evolution of the universe! Hence, as discussed previously, the evolution of both the "Physical Universe" and of its "Biological-Forms" – was not created based on a "random" and "meaningless" initial "Big-Bang" nuclear explosion, and accompanying "random-mutation" based (Darwin's) Evolutionary "Natural Selection" Process!? Instead, according to the New 'G-d's Physics' Paradigm, the whole purpose of the constant and continuous production- "dissolution" re-production and evolution of the entire physical universe is directed towards the UCR's singular "Geula" Ultimate Goal of "Moral", "Spiritual" & "Physical" Perfection; hence, the UCR's portrayal of the creation of the various galaxies – at the apex of which stands our own "Earth" Planet, upon which the UCR's evolution of "inanimate", "animate": plants, animals – and leading up to the appearance of Human-Beings, and then up to appearance of the fully "Expanded" form of "Individual Human Consciousness" (in which the Individual Human Consciousness is completely "identified" with the "Universal Consciousness" enabling it to "know" and "affect" different "past", "present" and "future/s" Universal Frames potentialities as well as transcend the strict limitations of "space" and "time")... Ultimately this singular higher-ordered UCR strives to manifest a 'Morally Perfected' "Geula" State, in which the singularity of this UCR's production and manifestation as the physical universe will be realized, and consequently, a "Perfected State" of our world (and of the entire physical universe) will be brought about – since all Human-Beings will realize their utter "Oneness" and "Unity" with this singular higher-ordered UCR – and with each other; and hence there could not exist any "inharmonious" Immoral-Actions, rather leading to a State of Complete Peace and Harmony, "Reverence" and "Gratitude" towards that singular higher-ordered UCR! In fact, one of the "surprising" and "exciting" facets of this newly discovered Ultimate "Geula" State of the universe is the (previously delineated) "Reversed-Time Goal Hypothesis", which posits that from the UCR's initial production of the universe (e.g., within its initial 'Universal Frames') throughout its long-history of the universe's and our world's constant "progression" towards this Ultimate UCR's Goal of a "Morally-Perfected Geula" State, the hypothesis is that this whole creation and evolution of the entire physical universe is solely and singularly directed and computed from that "Geula" " Ultimate Future State" towards all possible "past/s", "present/s" and "future/s" states of the universe! In other words, this ("fascinating" and "amazing") "Reversed-Time Goal Hypothesis" suggests that the entire (ongoing and continuous) production- "dissolution"- re-production and evolution- of all of the

physical universe's "Universal Frames" (and of every constituting 'exhaustive spatial-pixel comprising it) is all computed (and directed) from the singular higher-ordered UCR's "computational perspective" of reaching it's Ultimate "Geula-State" of "Moral", "Spiritual" and "Physical" "Perfection"! To give a familiar metaphor – we could somewhat equate the UCR's constant and singular striving towards that Ultimate "Geula" State to our car's familiar "Waze" Global-Navigation System, which allows us to set a "goal destination" and then calculates and directs all of our driving towards reaching that single ultimate "destination-goal"! It is suggested that in much the same manner as the "Waze" software allows us to "set" an "ultimate navigation goal" – and then directs all of our driving to reach that 'ultimate driving goal', so (in some manners) the UCR has set a singular Ultimate "Geula" Goal of manifesting "Total Peace, Harmony and Recognition of the Singular Unity & Existence of the UCR" (manifesting as this physical universe), and has been constantly "directing" all of our human history, the evolution of the forms from inanimate through animate: animals, plants and Human-Beings (leading up to the "Expanded" form of Individual Human Consciousness) towards that Ultimate "Geula" State... Viewed in this new "light" we understand that nothing happens "by chance", that every billionth of a billionth of every second (e.g., at the UCR's incredible rate of " $c^2/h$ " =  $1.36^{50}$  sec!) this singular higher-ordered UCR computes and directs the entire physical universe's evolution towards that "Perfected Geula" State, including the UCR's constant and continuous computation at each consecutive UF's frame/s the precise "Dynamic-Equilibrium" Moral Principle's calculation of the appropriate UF's frame/s configuration for each Individual Human Consciousness its "balancing" Moral-based selection of one of multiple possible "future/s" (as well as consequential "past/s" based on each Individual Human Being's potential for making a conscious moral "teshuva")...

It is obviously "inconceivable" for our limited human Intelligence (e.g., or even for our most sophisticated "Super-Computers") to even "fathom" the possibility of even getting "close" to comprehending the "complexity" and "infinity" of this singular higher-ordered UCR's computation (and selection) for each Individual Human Consciousness its appropriate single actual "future" (e.g., from an almost infinite possible array of multifarious possible future/s), which has to be computed simultaneously for the almost eight billion Human-Beings on the planet today, as well as take into consideration all of the abovementioned "Dynamic-Equilibrium" Moral Principle's UCRs computation of the "coupling" of each two given Individual Human Consciousness' – i.e., in terms of their "moral-balancing" such that in any given moment in time in which one Individual Human Consciousness made a given 'Moral/Immoral Choice' towards any other particular Individual Human Consciousness, then this 'Moral/Immoral Choice' necessarily "triggers" the UCR's

(unfathomably) complex computation of a particular selected (and "configured") particular UF's frame/s single "future" that can "rectify" and "morally-balance" these two Individual Human Consciousness' restoration of "moral-balance" etc.' (which also includes the possibility of "rectifying" and potentially altering the multiple possible "future/s" and "past/s" – based on a moral choice of "teshuva" by any of these Individual Human Consciousness)... We have to "multiply" this incredibly complex process of computation for the almost eight Billion Individual Human Consciousness – and also take into consideration that this Individual Human Consciousness UCR's Moral 'Dynamic-Equilibrium' Principle computation is embedded within the broader UCR's "Reversed-Time Goal Hypothesis" striving towards the Ultimate "Geula State" of "Moral, Spiritual and Physical Perfection" (e.g., which also includes the possibility of the "Abolishing of Death", as previously described); and to take into consideration that this singular UCR has to simultaneously "compute", "remember", "dissolve" and "evolve" (towards that singular Ultimate "Geula Perfected State") every exhaustive spatial pixel in the universe for each consecutive UF's frame/s at the incredible rate of " $c^2/h = 1.36^{50}$  sec'! across the whole entire universe!

Therefore, we reach the inevitable conclusion wherein nothing in the universe happens "by-chance" – not the Old "Material-Causal" Model's assumption of the "randomly" occurring "Big-Bang" nuclear explosion (assumed to have created the physical universe), nor the "random-genetic mutations" constituting Darwin's assumed "Natural Selection Process", nor any moment or occurrence computed for each possible (multiple "past/s", "present/s" or "future/s" ) UF's for each of the almost eight Billion Individual Human Consciousness! It is all directed and being computed by this singular higher-ordered UCR based on the Moral Choice/s taken by each of these Billions of Individual Human Consciousness based on that singular higher-ordered UCR's striving towards the Ultimate "Geula Perfected State"! In that sense, both the ongoing continuous UCR's computation, production, "dissolution", sustenance and evolution of each exhaustive spatial pixel comprising the entire physical universe for each consecutive UF's frame/s – may be considered as a "miracle" – i.e., in the sense that it cannot be conceived within our limited "Human Consciousness" and "Human Intelligence": how can this singular "Universal Consciousness Reality" take into consideration and "compute" the (apparently) "infinite complexity" of almost eight Billion Individual Human Beings – with each one of them making a "Moral-Choice" at any point in time which involves and affects multiple other Human Beings, and which as to take into consideration also all of the "past" "present" and multiple possible "future/s Universal Frames – needed to rectify and "balance" any "immoral choice/s" of each Individual Human Consciousness in each of these past/present/future/s Universal Frames... Moreover, as described in previous articles delineating this New "G-d's Physics" Paradigm, based on the

"Inseparability Principle" pointing at the "inseparability" of each such "Individual Human Consciousness from the singularity of the Universal Consciousness Reality; and moreover based on the postulated possibility of Human Beings to reach an "expanded Individual Human Consciousness" State in which the apparently "Individual Human Consciousness" functions in "complete identification" (and "Conscious inseparability") with the singular Universal Consciousness Reality – therefore in such an "expanded Individual Human Consciousness; therefore, in particular in such an "Expanded" Individual Human Consciousness State there exists the real possibility of such and "Expanded" Individual Human Consciousness to "alter" the standard "laws of nature" – i.e., which were seen to represent no more than a manifestation of the singular Universal Consciousness Reality's continuous production- dissolution- and re-production of the apparently "transient" and "phenomenal" physical universe, so that indeed "miracle" can (and do) happen!

**Dedication:** This article is dedicated to dear beloved Mrs. Diana Raz (בת שרה אימנו), a sweet, gentle & pleasant woman, bold and courageous who fought ferociously (like a lioness) to light her own life and the lives of so many others with love and passion, was a light-house who shed light around her and lighten the hearts and lives of so many other couples assisting them find their "second-half" and chose to focus on the Goodness in their lives. Unfortunately her life was stumped at such an early age leaving behind her four innocent wonderful children – may her Memory be Blessed and may her Soul ascend to Paradise where she belongs.

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**THE NEW 'G-D'S PHYSICS' (CUFT) TWENTY-FIRST CENTURY PARADIGM: A MORALLY PERFECTED ("GEULA") DIRECTED NEW PHYSICAL UNIVERSE!**

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**ABSTRACT**

Twenty-first Theoretical Physics is undergoing a profound "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying both Relativity Theory (RT) and Quantum Mechanics (QM) to the New "G-d's Physics" ("Computational Unified Field Theory", CUFT) Paradigm; Based on the New 'G-d's Physics' Paradigm's discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h$ " =  $1.36^{-50}$  sec' the basic "Material-Causal" assumption underlying both Relativity's "Big-Bang" Model, "Einstein's Equations" and the purely hypothetical "dark-matter" and "dark-energy" concepts, and QM's assumed "collapse" of the subatomic target's "probability wave function" as "caused" by its direct physical interaction with another subatomic "probe" element are negated! Instead, the UCP's "Ten-Laws of Hierarchical Manifestation" are delineated, including: the "Dynamic-Equilibrium" Moral Principle, which selects one of multiple possible "future/s" for each Individual Human Consciousness based on its "Moral Choice/s"! Indeed, based on several of these Laws, including: the "Computational Invariance Principle" indicating the only "transient", "phenomenal" nature of the entire physical universe which exists only "during" each consecutive "Universal Frame" (UF) solely computed by the singular UCP, but "dissolves" back into the UCP "in-between" any two such consecutive UF's frames; and the UCP's "Good-Will" propensity and its "Reversed-Time Goals Hypothesis" 'G-d's Physics' New Paradigm points at the Ultimate Goal of this UCP, namely: striving towards a Physically, Morally and Spiritually "Perfect" State of the World named: "Geula", indicating a complete "Harmony", "Peace" and a recognition (and gratitude) towards this singular higher-ordered "Unity" and "Good-Will" UCP!

**1. Introduction: The New Twenty-First Century 'G-d's Physics Paradigm**

Twenty-first century Theoretical Physics has undergone a major "Paradigmatic-Shift" – i.e., from the Old 'Material-Causal' Paradigm underlying Relativity Theory (RT) & Quantum Mechanics (QM) towards the New 'G-d's Physics' ('Computational Unified Field Theory', CUFT) Paradigm which was shown capable of resolving the apparent "theoretical inconsistency" between RT & QM, and also offer an alternative satisfactory explanation for certain key Old 'Material-Causal' unexplained physical phenomena, including: the "dark-matter" and "dark-energy" (purely hypothetical) concepts whose empirical validation failed (thus far) but which is supposed to account for up to 95% of all of the mass and energy in the universe! As analyzed by Thomas Kuhn in his famous Book "On the Structure of Scientific Revolutions" (1962), Scientific investigation (and progress) within a given field shifts between phases of "Standard Science" in which the scientific inquiry within a given discipline is based on an acceptable "Standard Paradigm" possessing certain assumptions, laws and

stipulations, followed by an inevitable "Paradigmatic-Shift" phase in which the Old 'Standard Paradigm' doesn't suffice (any longer) to explain certain key (new) phenomenon, in addition to which there usually arise particular "theoretical inconsistencies" within the very foundations of the Old 'Standard Paradigm'... Indeed, this was the case when Einstein came along (e.g., prior to his 1905 "Annus-Mirabelus" and the 1915 ultimate empirical validation of one of the "critical predictions" of his New "Relativity Theory" Paradigm); The two basic "pillars" of the Old 'Standard Paradigm' of "Newtonian Mechanics" and Maxwell's "Electromagnetic Theory" seemed "contradictory" of each other and a key assumption within Newtonian Mechanics associated with the existence of the "ether" concept (which was supposed to pervade the entire physical universe) could not be found empirically despite numerous attempts to do so! This called for a "Paradigmatic-Shift" from the Standard Newtonian-Maxwellian Paradigm to 20<sup>th</sup> century "Relativity Theory" and subsequently also Quantum Mechanics' Paradigm...

Indeed, we've now reached an equivalent "pivotal-point" along the development of Science, wherein these two "pillars" of 20<sup>th</sup> century Theoretical Physics seem "contradictory" of each other, and the key empirical phenomenon of the accelerated expansion of the universe – cannot be account for by the purely hypothetical concepts of "dark-matter" and "dark-energy" which are supposed to account for up to 95% of all the mass and energy in the physical universe, but cannot be empirically detected! Now, as then, the Newly discovered "G-d's Physics" (Computational Unified Field Theory, CUFT) Paradigm is able to resolve this apparent "theoretical inconsistency" between RT & QM, embed the key elements of both Models within a singular "Universal Computational Formula" (UCF), and offer an alternative theoretical account for the accelerated expansion of the physical universe – while "discarding" the purely hypothetical concepts of "dark-matter" and "dark-energy" as "superfluous" (i.e., non-existent)!

### Universal Computational Formula (UCF)

$$\left. \begin{array}{c} c^2 \\ - \\ h \end{array} \right\} \text{UF's } \{n...n...x\} = \frac{s * e}{t * m}$$

As can be glanced from this transformative UCF, Succinctly stated, this New 'G-d's Physics' Paradigm is based on the discovery of a new singular, higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h$ " =  $1.36^{-50}$  sec(!), thereby producing a series of "Universal Frames" (UF's) depicting the entire universe (at every such minimal "time-point")! According to this New 'G-d's Physics' (CUFT) Paradigm, the whole entire physical universe "dissolves" back into the singularity of this singular, higher-ordered UCP "in-between" any two consecutive UF's frames...

One of the key differences between this New 'G-d's Physics' (CUFT) Paradigm and the Old 'Material-Causal' Paradigm is its insistence upon the "simultaneity" of the UCP's computation of each exhaustive spatial pixel, e.g., for each consecutive UF's frame/s, which negates the very possibility of the existence of any direct physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different-UF's frames! This is because, if indeed all exhaustive spatial pixels comprising the entire physical universe are *simultaneously* computed by the (singular, higher-ordered) UCP for each consecutive UF's frame/s then there cannot exist any such direct physical interactions taking place at any (single or multiple) UF's frame/s! Likewise, since according to his New 'G-d's Physics'

Paradigm the entire physical universe "dissolves" "in-between" any two consecutive UF's frames, therefore there cannot also exist any such physical interactions, e.g., between any two (or more) exhaustive spatial pixels existing across different UF's frame/s! Nor can there be any "transference" of any "material" entity or effect across any two consecutive UF's frame/s! This entirely new singular higher-ordered conception of the physical universe as being continuously computed, "dissolved", re-computed and evolved by the singular, higher-ordered UCP has led to the negation- and revision of some of the most basic 'Material-Causal' assumptions underlying both RT & QM: Thus, for instance, RT's assumed 'Big-Bang' nuclear explosion which supposedly "caused" the creation of all suns' galaxies, planets, 'mass' and 'energy' etc. in the universe was challenged and negated by this New 'G-d's Physics' (CUFT) Paradigm, due to the principle impossibility of the existence of any such direct physical interaction/s between any two (or more) exhaustive spatial pixels in the first, second, third etc. UF's frames, comprising the 'Big-Bang' Model! Instead, the New 'G-d's Physics' Paradigm stipulates that for each consecutive UF's frame/s, the singular, higher-ordered UCP simultaneously computes the four basic physical features of 'space' and 'energy', 'mass' and 'time' for each exhaustive spatial pixel comprising the entire physical universe – thereby in effect stating that the origination- "dissolution"- re-creation- and evolution of each exhaustive spatial pixel comprising the entire physical universe is an ongoing, continuous process produced solely by the singular higher-ordered UCP!

Likewise, the New 'G-d's Physics' Paradigm negated the basic 'Material-Causal' assumption underlying General Relativity's "Einstein's Equations", e.g., assuming that it is the direct physical interactions between certain "massive objects" and "Space-Time", which "causes" the "curvature" of this 'Space-Time', and conversely that it is this 'curved Space-time' which "causes" (or determines) the "travelling pathways" of these 'massive objects' (or other less massive objects); This basic Old 'Material-Causal' Paradigm's assumption is being negated and rejected by 'G-d's Physics' New Paradigm's insistence upon the simultaneity of the UCP computation of all exhaustive spatial pixels in the universe (for each consecutive UF's frame/s) and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frames! Therefore, there cannot exist any such direct physical interactions between any two (or more) exhaustive spatial pixels comprising the entire physical universe – hence negating the possibility of certain 'massive objects' "causing" the 'curvature of Space-Time', and conversely of such 'curved Space-Time' "causing" the particular 'travelling pathways' of these 'massive objects' (and other less massive objects)! As a matter of fact, the entire evolution of the physical universe – as originated by a (hypothetical) initial 'Big-Bang' nuclear explosion, subsequently evolved by Einstein's Equations – e.g., including the purely hypothetical "dark-matter" or "dark-energy" entities

"causing" the empirically observe accelerated expansion of the universe etc. – is completely negated and rejected by the New 'G-d's Physics' Paradigm's insistence upon the continuous, simultaneous computation of the singular, higher-ordered UCP of each and every exhaustive spatial pixel in the universe for each consecutive UF's frame/s, and the complete "dissolution" of all of these universe's exhaustive spatial pixels "in-between" any two consecutive UF's frame/s!

In much the same manner, the New 'G-d's Physics' Paradigm was shown to negate the Old 'Material-Causal' Paradigm's assumption underlying Quantum Mechanics: According to QM 'Material-Causal' assumption, any given subatomic target possesses a "probability wave function" prior to its subatomic measurement brought about through its direct physical interaction with another corresponding subatomic 'probe' element – which then "causes" the "collapse" of this 'probability wave function's multifarious values into a singular (complimentary 'space-energy', 'mass-time') value. But, as we've already seen, since the New 'G-d's Physics' Paradigm postulates that the singular higher-ordered UCP simultaneously computes all exhaustive spatial pixels comprising the entire physical universe (e.g., for each consecutive UF's frame/s), therefore the New 'G-d's Physics' negates the very possibility of any such direct physical interaction between any two such subatomic 'probe' and 'target' elements (i.e., at any single or multiple UF's frames); Likewise, QM's basic assumption regarding the dual nature of any such subatomic 'target' element – which can exist either as a 'particle' or as a 'wave' has been considerably revised by the New 'G-d's Physics' Paradigm based on its discover of the singular higher-ordered UCP; This is because this single, higher-ordered UCP is postulated to simultaneously all "exhaustive" spatial pixels comprising any given consecutive UF's frame – including: all 'single spatial-temporal' "particle" values and 'multiple spatial-temporal' "wave" values, as embedded within the exhaustive computational framework of the consecutive UF's frames (comprising all exhaustive spatial pixels of the entire physical universe for each 'minimal time point').

## 2. 'G-d's Physics' "Cinematic-Film Metaphor" & "Computational Invariance Principle"

We therefore realize that the New 'G-d's Physics' portrays an entirely new "picture" of the whole physical universe – not as "originated" by an initial nuclear "Big-Bang" explosion, but rather as being continuously computed- "dissolved", re-computed and evolved- by the singular higher-ordered UCP's computation of each and every exhaustive spatial pixel in the universe, e.g., for each consecutive UF's frame (at the incredible rate of  $c^2/h = 1.36^{50}$  sec!) In fact, this New 'G-d's Physics' Paradigm for 21<sup>st</sup> century Theoretical Physics revises in such a "dramatic" manner all of our previous Relativistic and Quantum Mechanical understanding of the physical universe, therefore in order to better understand how this New 'G-d's Physics' Paradigm offers an alternative

explanation for the Old Relativistic and Quantum Mechanical Models (comprising the Old 'Material-Causal' Paradigm), let's quote the previously explicated two key theoretical postulates of this New 'G-d's Physics' Paradigm, namely: the "Cinematic Film Metaphor" and the "Computational Invariance Principle"; The 'Cinematic Film Metaphor' portrays the production of the physical universe through its metaphoric representation based on a standard 'Cinematic-Film' dynamics: in much the same manner in which the rapid presentation of a series of 'film-frames' gives us the "illusion" of a "real-life" scenario, the 'Cinematic-Film Metaphor' teaches us that it is possible for a similar scenario to exist wherein the singular higher-ordered UCP also computes a series of 'Universal Frames' (UF's) that give us the impression (or perception) of a "physical universe" scenario... In fact, this 'Cinematic-Film Metaphor' has been used to explicate the UCP's simultaneous computation of all exhaustive spatial pixels – four basic physical features of 'space', 'energy', 'mass' and 'time', based on its two (out of three) Computational Dimensions, namely: 'Framework' and 'Consistency'; According to this 'Cinematic-Film Metaphor', in the same manner in which we could measure the "energy" value of say a "jet-plane" "zooming" through the (cinematic) film-screen, based on the computation of the "degree of displacement" of that 'jet-plane' object (relative to the entire screen-frame) across a series of film-frames, so it is suggested that the singular higher-ordered UCP computes the degree of "object-consistency" across a series of frames to determine each object's "energy" value! Indeed, according to 'G-d's Physics' New Paradigm, the four basic physical features which the UCP computes (simultaneously) for each exhaustive spatial pixel/s comprising the entire physical universe are based on the four possible combinations of its two 'Framework' (frame/object) and 'Consistency' ('consistent'/inconsistent) Dimensions: Thus, 'energy' and 'space' value of (any given object) are computed by the UCP as the degree of that object's displacement relative to the entire "frame", such that "energy" is computed as a "frame-inconsistent" measure, whereas "space" is computed (by the UCP) as "frame-consistent" computational measure! Likewise, the UCP (simultaneously) computes the values of "time" and "mass" as the degree of "object" – "inconsistent" ("time") and "consistent" ("mass") computational measures. Interestingly, this 'Cinematic-Film Metaphor' possesses quite a few (striking) "similarities" (as well as a few distinct "differences") to the UCP's production of the physical universe: Thus, for instance, in the same manner in which all "past", "present" and "future" "film-frames" are "stored" within the film's entire "dvd's reservoir" of pictures, so "G-d's Physics" (Computational Unified Field Theory) New Paradigm postulates that all "past", "present" and (multiple possible) "future/s" are "stored" within the UCP's "Multi-Spatial-Temporal Reservoir" of all of the universe's "past", "present" and (multiple possible) "future/s"! One "surprising" difference relates to the fact that unlike the 'standard film' in which all of

the ("exhaustive") spatial pixels' "objects" comprising each film-frame are presented in the following consecutive UF – whereas due to the UCP's computational measure of the "mass" of any given (relativistic or quantum) object as the number of times that that particular 'object' is presented "identically" (consistently) across a given number of UF's frames! This implies that according to the New 'G-d's Physics' Paradigm, relatively "more massive" objects should be presented across a larger number of UF's frames than a relatively "less-massive" object! In fact, one of the unique "critical predictions" of the New 'G-d's Physics' (CUFT) Paradigm precisely relates to this greater number of times that a relatively 'more massive' object would be presented, relative to a 'less massive' object across a given number of UF's frames!

Next, we turn to 'G-d's Physics' significant additional "Computational Invariance Principle" theoretical postulate, which asserts that only the "computationally-invariant" 'Universal Computational/Consciousness Principle' (UCP) exists constantly and continuously – both "during" its sole (simultaneous) computation of each exhaustive spatial pixel's four basic physical features (of 'space', 'energy', 'mass' and 'time') in the universe (for each consecutive UF's frame/s), and also solely exists 'in-between' any two consecutive UF's frame/s in-between" any two consecutive UF's frames; whereas the entire physical universe (and all of its constituent exhaustive spatial pixels) exists only "computationally-variant", i.e., only "during" each consecutive UF's frame/s (as solely being computed by this singular, higher-ordered UCP), but "dissolves" back into the singularity of the UCP "in-between" any two consecutive UF's frames! Therefore, asserts the 'Computational Invariance Principle' that only the 'computationally invariant' Universal Computational/Consciousness Principle (UCP) may be regarded as "real" or "constant", whereas the appearance of the entire physical universe (and every exhaustive spatial pixel comprising it) may only be regarded as "transient" and "phenomenal"! In fact, a closely related "Universal Consciousness Reality" (UCR) theoretical postulate suggests that since the entire physical universe (and all of its constituting exhaustive spatial pixels) may only be regarded as a "phenomenal", "transient" manifestation of the singular higher-ordered UCR, and since only this singular Universal Computational/Consciousness Principle (UCP) exists "constantly" and "continuously" ("computationally-invariant"), therefore we must reach the inevitable conclusion wherein there exists only one singular "Universal Consciousness Reality" – which manifests ('transiently' and 'phenomenally') "during" each consecutive UF's frame/s, and exists solely "in-between" any two consecutive UF's frame/s (with the "phenomenal" universe "dissolving" back into the singularity of this "Universal Consciousness Reality" 'in-between' any two such consecutive UF's frames!)

We therefore see that the New 'G-d's Physics' Paradigm brings us to an entirely new conception and understanding of the origination- sustenance- "dissolution"- and re-computation and evolution of each and every exhaustive spatial pixel in the universe; No longer can we regard the physical universe as being created by an initial "Big-Bang" nuclear explosion; nor can we consider the sustenance and evolution of the physical universe as being "caused" by any direct physical interactions between any (two or more) exhaustive spatial pixels – including through any direct physical interaction/s between certain 'massive-objects' and their (assumed) "curvature" of "Space-Time", or through the converse determination of these massive-objects' "travelling-pathways" by the "curvature of Space-Time", as evinced by Einstein's Equations; nor as evolved by the direct physical interaction between (purely hypothetical) "dark-matter" and "dark-energy" entities which are assumed to "expulse" the galaxies apart of each other – "causing" the accelerated expansion of the physical universe... Nor can we regard the subatomic realm as being enacted by the direct physical interactions between given subatomic "probe" and "target's probability wave function" – which "causes" the "collapse" of this "target's probability wave function" into a singular (complimentary) 'space-energy', 'mass-time' value! Instead, the New 'G-d's Physics' Paradigm teaches us that the entire physical universe is being continuously "created", "dissolved", "re-created" and "evolved" at every minimal time-point at the incredible rate of  $c^2/h = 1.36^{-50}$  sec! by the singular higher-ordered 'Universal Computational/Consciousness Reality' – with the entire physical universe "dissolving" back into the singularity of the UCP 'in-between' any two consecutive UF's frames! Indeed, this entirely new conception of the physical universe as representing only a "transient", "phenomenal" manifestation of the singular "Universal Consciousness Reality" which exists uniformly both "during" its sole (simultaneous) computation of each exhaustive spatial pixel for each consecutive UF's frame/s, and also solely exists "in-between" any two consecutive UF's frames – opens up an entirely new understanding (and various possibilities) for Twenty-first century Theoretical Physics!

### 3. "Multiple Future/s", "Multiple Past/s" & the Moral 'Dynamic-Equilibrium' Principle!

One of the key new understandings that arises from this New 'G-d's Physics' (CUFT) Paradigm is that the entire physical universe – does not exist "independently" of its constant "origination" (e.g., "dissolution" and re-computation and evolution) by the singular higher-ordered Universal Computational/Consciousness Reality! In fact, as mentioned above, that each and every exhaustive spatial pixel comprising the entire physical universe – may only exist (and be regarded) as a mere "manifestation" of this singular higher-ordered "Universal Consciousness Reality" (UCR)! This is simply because the entire physical universe "dissolves" back into the singularity of the UCP (or UCR) "in-

between" any two consecutive UF's frames! Therefore, according to the New 'G-d's Physics (CUFT) Paradigm, the entire series of UF's – of all "past", "present" and multiple possible "future/s" exist in a "potential-form" within one of the UCP's "Ten Laws of Hierarchical Manifestation" (previously delineated) – namely: the "Supra-Spatial-Temporal Reservoir"! Indeed, according to this New 'G-d's Physics' (CUFT) Paradigm, all past-present- and (multiple possible) "future/s" already exist within the UCP's 'Supra-Spatial-Temporal Reservoir', based on another one of the UCP's "Ten Laws of Hierarchical Manifestation", namely: the "Dynamic-Equilibrium" Moral Principle! According to this 'Dynamic-Equilibrium' Moral Principle, the UCP intrinsic "Inseparability Principle" – wherein all Individual Human Consciousness constitute integral "inseparable" parts of this singular unitary UCP (or UCR), and as part of the UCP's "Good-Will" additional Law of Hierarchical Manifestation, this singular UCP (UCR) constantly strives towards a state of Complete Unity and Harmony; this means that whenever any given "Individual Human Consciousness" chooses an "Immoral-Choice" (e.g., inflicting "pain" or "suffering" upon another "Individual Human Consciousness", then this automatically set in motion a "correction-process" conducted by the UCP to restore the initial "Unity" and "Harmony" of the UCP, e.g., by inflicting the same degree of "suffering" or "pain" unto that Individual Human Consciousness which inflicted the pain (or suffering) – so that it remorse for its "wrong-doing", and "realize" the Oneness of Humanity with the UCP! Therefore, the "Dynamic-Equilibrium" Moral Principle postulates that the UCP's (or UCR's) computation through its Ten Laws of Hierarchical – leading up to the manifestation of each and every "past", "present" and multiple possible "future/s" is set in such a manner as to "restore Moral balance", to "correct" and "rectify" any "Moral Imbalance" caused by any Moral/Immoral Choice done by any Individual Human Consciousness towards another Individual Human Consciousness!

Previously the "Trampoline Metaphor" has been utilized to illustrate the operation of this 'Dynamic-Equilibrium' Moral Principle: imagine a 'Trampoline' in which a 'Metal-Bar' is placed on its 'Membrane' so that it connects two particular points on this 'Membrane'; if one of these given points (representing a specific Individual Human Consciousness) "decided" to "inflict pain" unto the other 'Individual Human Consciousness point – by pushing this 'Metal-Bar' against that other point (Individual Human Consciousness), then we know that "automatically" that Metal Bar would "bounce back" and "inflict-pain" (to the same degree) unto that Individual Human Consciousness that decided to 'inflict pain' unto the other Individual Human Consciousness... This 'Trampoline Metaphor', therefore portrays the 'UCP's Moral Principle which postulates that at any given moment in time, the UCP has to compute for each of the almost eight Billion Individual Human Consciousness all of its "Moral Choices" throughout their entire life and

calculate for each of the Individual Human Consciousness that it interacted with, what "Moral Balance/s" should be made to "rectify", "teach" and "harmonize" each Individual Human Consciousness – whether it be the "inflicting-pain/suffering" Individual Human Consciousness, or the "inflicted/suffering" Individual Human Consciousness!

Thus far, the New 'G-d's Physics' Paradigm postulated based on this 'Dynamic-Equilibrium' Moral Principle, that within the UCP's 'Multi Spatial-Temporal Reservoir' there exists all of the 'past', 'present' and multiple possible "future/s" UF's frames, and that the Moral Choice of each Individual Human Consciousness determines the UCP's Moral-Balancing' selection of one of multiple possible "future/s", in order to "teach" that Individual Human Consciousness whatever "pain"/"suffering" that it inflicted upon another Individual Human Consciousness. (It should be noted that the UCP's 'Dynamic-Equilibrium' Moral Principle also postulates that also for every good "Moral Choice" of any given Individual Human Consciousness towards any other particular Individual Human Consciousness, the UCP computes and creates an equivalent situation which would allow these two Individual Human Consciousness to experience the same degree of good Moral Choice that the Individual Human Consciousness that initiated the good Moral Choice upon the other Individual Human Consciousness would also have to receive such an equivalent good Moral Choice from the other Individual Human Consciousness that received the "present" or "good/joyful" Moral action!) It is also worthwhile to note that when we consider the Infinite "Intelligence" (and "Goodness") of this singular higher-ordered UCP, which has to consider and compute – for each Individual Human Consciousness (on the planet) all of its past "Moral/Immoral Actions" directed towards particular Individual Consciousness, and select one of multiple possible "futures" for each consecutive UF's frame/s that would satisfy the precise "lesson"/"remuneration" for each of the almost eight Billion Individual Human Consciousness ("paired" with each specific Individual Human Consciousness that either received or delivered to that Individual Human Consciousness "Moral/Immoral Action/s"), this is clearly represents and "unfathomable" Infinite Intelligent/Good UCP (UCR), which also inevitably leads us to a great sense of "awe", "wonder" (and "gratitude")! A new discovery made at this point – is that it may not only be the case that the UCP's "Multi Spatial-Temporal Reservoir" contains only multiple possible "future/s", but also multiple possible "past/s", also entirely depending upon the "Moral Choice" made by each Individual Human Consciousness at any given moment in time – and particularly upon its "remorse" for its past "wrong-doing", asking "forgiveness" for its Immoral act, and a "rectifying moral decision", i.e., not to repeat any such "wrong-doing", what's termed in the Jewish Faith as "Teshuva"! Indeed, since the UCP's intrinsic characteristic (comprising one of its Ten Laws of

Hierarchical Manifestation) is its "Good-Will" to bestow Life, Harmony Peace and "Goodness" and its associated "Dynamic-Equilibrium" Moral Principle are all directed towards increasing the "awareness" and "goodness" of all Individual Human Consciousness, therefore it follows that in cases in which any given Individual Human Consciousness makes a Moral Choice of "Teshuva" (i.e., remorse for any 'wrongdoing', asking for forgiveness, and a "good moral decision" not to repeat any such Immoral Choice/s), then this rectifies the UCP's selection – not only of one "good" future (out of multiple possible future/s), but also rectifies that Individual Human Consciousness' related past! This is because for that Individual Human Consciousness' related Moral-Choice/s which are rectified by the new "Teshuva" (remorse, forgiveness and good moral decision not to repeat that particular "wrong-doing") – this "Teshuva" "corrects" and "alters" all those past "immoral action/s" that were related to the particular issue for which that Individual Human Consciousness made "Teshuva"!

In other words, according to the new discovery made in this paper and alongside "G-d's Physics" New Paradigm understanding of the UCP's selection of one of multiple possible "future/s" based on the "Moral/Immoral Choice" of each "Individual Human Consciousness" and the Dynamic Equilibrium Moral Principle, we realize that (in reality) the UCP's higher-ordered 'Supra Spatial-Temporal Reservoir' contains multiple potential "past/s" and multiple potential "future/s" – based upon the "present" selection of each Individual Human Consciousness' Moral Choice at this present "moment"! Strikingly, this is reminiscent of the Jewish famous Maimonides (Doctor, Philosopher and Saint) declaration that for each moment in time a Human Being is supposed to envision the whole world- as found in a "delicate" 'Dynamic-Equilibrium' state – in which one good (moral) action by this Individual Human Consciousness would "tilt" the "scale" of the world towards a "good outcome" or (G-d forbid) towards a "negative outcome"... It is also in line with the Jewish Chassidic recognition that whatever is done by a Human Being effects not only this physical world, but also certain higher realms (e.g., such as the UCP's "Ten Laws of Manifestation")...

#### **4. The UCP's "Reversed-Time Goal Hypothesis": A Morally Perfected "Geula" State!**

We therefore reach the culmination point of this New 'G-d's Physics' Paradigm for 21<sup>st</sup> century Theoretical Physics: we realize that there only exists one singular higher-ordered UCP (or UCR) which continuously creates- "dissolves"- re-creates and evolves every exhaustive spatial pixel in the universe, and that the existence of the entire physical universe may only be regarded as a mere "transient", "phenomenal" "manifestation" of the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) or "Universal Consciousness Reality" (UCR)! We acknowledge (and realize) that there cannot exist any real "cause" and "effect" direct physical interactions

between any (two or more) exhaustive spatial pixels in the universe, since the UCP simultaneously computes all such exhaustive spatial pixels (existing in any single or multiple UF's frames), and that "in-between" any two consecutive UF's frames the entire physical universe "dissolves" back into the singularity of the UCP! Moreover, with 'G-d's Physics' discovery of the UCP's 'Ten Laws of Hierarchical Manifestation', e.g., including the central "Dynamic-Equilibrium" Moral Principle, we realize that (in truth) all "multiple possible past/s", present and "multiple possible future/s" – are determined and computed by the UCP based on each Individual Human Consciousness "Moral-Choice/s" at any given moment in time!

We have to place this new remarkable realization and understanding – within the "wider scope" of 'G-d's Physics' New Paradigm: that is, within 'G-d's Physics' discovery of the "Reversed-Time Goal Hypothesis", which essentially talks about the UCP's striving towards- and computing all (multiple possible) "past/s"- present and (multiple possible) "future/s" from the standpoint of its Ultimate Goal of a Physically, Morally and Spiritually "Perfected" World, called: "Geula" (in the Jewish-Chassidic) Tradition; the key notion is that the UCP's whole creation and "evolution" of the entire physical universe is geared towards- and is being continuously computed based on- the "Ultimate Goal" of "Geula"! Thus, it was previously shown in what manner the entire creation of the whole physical universe was not created by an "accidental" Big-Bang nuclear explosion, but rather has been precisely evolved by the UCP to allow the development and evolution of ever more "refined" and "conscious" forms of "inanimate" matter leading through the appearance of "animate" forms: plants, animals and Human-Beings – leading up to the "expanded" form of Human Consciousness (discussed previously, in which the Individual Human Consciousness identifies itself completely with the Universal Consciousness Reality) and collectively towards the State of "Geula": a Physically, Morally and Spiritually Perfected World!

This New 'G-d's Physics' theoretical understanding of the entire physical universe – in terms of its "pre-planned" and "directed" evolution by the singular higher-ordered Universal Consciousness Reality from its envisioned Ultimate "Geula" State towards all (multiple possible) "past/s", "present" and (multiple possible) "future/s" - provides Twenty-first century Theoretical Physics, and Science (and Humanity), more generally with an exciting new opening towards an entirely new ("uplifting") Existence and Prospects: no longer does Science regard the origination and development of the entire physical universe as occurring "by-chance", e.g., as "caused" by an initial random Big-Bang "nuclear explosion", and as "gravitating" towards an inevitable "dissipation" and "extinction" of all Life, galaxies, suns etc. (based on the "Second Law of Thermodynamics")... No longer does the evolution of the various forms of Life on our planet

are likewise considered as "caused" by Darwin's "chance-mutations" and "Natural Selection Principle" (as delineated in a previous article): Instead, the New 'G-d's Physics' Paradigm is shown to unify all forces, all phenomena, all of the various aspects of the physical universe – based on the discovery of the singular higher-ordered "Universal Consciousness Reality" (UCR) which simultaneously computes all exhaustive spatial pixels in the universe through its incredible rapid (" $c^2/h$ " =  $1.36^{50}$  sec!) series of UF's frames; and the surprising and exciting new discovery realized by this New 'G-d's Physics Paradigm is that this singular UCR – which exists both "during" its simultaneous computation of each exhaustive spatial pixel in the universe comprising the rapid series of consecutive UF's frames, and also solely exists without the presence of any physical universe, evolves the entire physical universe – towards one Ultimate Goal of "Geula": A Physically, Morally and Spiritually "Perfected" State of the World! Therefore, this singular higher-ordered UCR has evolved the physical form of the universe to sustain Life on this planet and to evolve from inanimate "matter" to animate: plants, animals and Human-Beings; to evolve Humanity towards a more refined Moral and Spiritual State of "Geula", in which there will be a complete "awareness", "recognition" and "gratitude" towards the existence of this singular higher-ordered UCR, possessing the ("Ten Law of Hierarchical Manifestation") characteristics of "Good-Will", "Free-Will", the "Dynamic Equilibrium" Moral Principle etc... To bring Science (and Humanity more generally) towards a basic recognition of the "Oneness" and "Inseparability" of every exhaustive spatial pixel with this singular higher-ordered UCR – and therefore (even to a much greater degree) the Moral realization (based on an understanding of the UCP's Dynamic-Equilibrium' Moral Principle) that all Human-Beings are "inseparable" and in fact comprise "integral parts" of this singular higher-ordered UCR, and therefore that we must make good "Moral Choices" towards each other (as this also "selects" a particular single "good/positive" future out of multiple possible future/s for each one of us)! This would lead Science and Humanity towards the "Perfected" State of "Geula" in which this basic knowledge of the "Oneness of all Creation" – as originated and constantly sustained by the singular higher-ordered UCR, would prevail in the World, there would be no "wars" or "Immoral behavior", Peace, Harmony, and a deep sense of appreciation and Gratitude towards this singular "Good-Will" UCR would prevail! This "Perfected Geula" State of the World (e.g., whose initiation may be advanced by this New 'G-d's Physics Paradigm for 21<sup>st</sup> century Science) perfectly conforms with many of the Jewish Prophets vision and of Maimonides' proclamation that "at that time, the whole World would be occupied with the 'higher knowledge' of that Singular Higher (UCR) Reality: 'G-d'!

**Dedication:** This article is dedicated in memory of dear beloved Ms. Diana Raz, who shed so much light and Goodness in the lives of so many couples but whose own

life was stumped at such an early age leading behind four innocent children, may her Memory Blessed and may her Soul ascend to Paradise (where she belongs)...

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## "G-D'S PHYSICS NEW 21<sup>ST</sup> CENTURY PARADIGM: THE POWER OF "TESHUVA"!

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### ABSTRACT

Twenty-first century Theoretical Physics is undergoing a Major "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying both Relativity Theory (RT) and Quantum Mechanics (QM) to the New "G-d's Physics" (CUFT) "A-Causal Computation" (ACC) Paradigm based on the discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe at the unfathomable rate of " $c^2/h$ " =  $1.36 \cdot 10^{50}$  (sec)! The New "G-d's Physics" Paradigm was shown capable of resolving the apparent "theoretical inconsistency" between RT & QM, revise and challenge basic assumptions of the Old "Material-Causal" Paradigm such as: the "Big-Bang" Model, Einstein's Equations' ("Material-Causal" Assumption), discard "dark-matter" and "dark-energy" as "superfluous" (non-existent!) and completely integrate both RT & QM as well as the four basic physical features of "space", "energy", "mass" and "time" as integral computational by-products of a newly discovered "Universal Computational Formula" (UCF) describing the UCP's extremely rapid simultaneous computation of the entire physical universe! Based on several of "G-d's Physics" newly discovered theoretical postulates, including: the "Computational Invariance Principle", "Universal Consciousness Reality", and the "Dynamic-Equilibrium Moral Principle", and its identification of unique "Critical-Predictions" differentiating it from the predictions of the Old "Material-Causal" Paradigm; the current article discovers the centrality and unique capacity of Individual Human Consciousness' "Power of Teshuva", i.e., the possibility of a "Conscious- remorse & resolute good moral choice/s" (not to repeat past "negative moral choice/s") to affect the "Universal Consciousness Reality's" (UCR) selection of one of multiple "positive" possible future/s for that Individual Human Consciousness – as well as the "rectifying/purifying" of that Individual Human Consciousness' particular "past-immoral choice"! Not less significant is the New "G-d's Physics" Paradigm's discovery and realization that the UCR's "Reversed-Time Geula Goal Hypothesis", e.g., according to which the UCR continuously strives to steer the physical universe towards its "Perfect Moral-Spiritual-Physical Geula State" in which the sole reality of this UCR and its intrinsic "All-Goodness, Morality & Unity" characteristics will be recognized is "aided" by each such "Teshuva" Individual Human choice! An Urgent Calling for Experimental Physicists, Astronomers & Cosmologists is (again) made to rest the unique "Critical Predictions" of this New 21<sup>st</sup> Century Theoretical Physics Paradigm!

### 1. Introduction: The New "G-d's Physics" Paradigm of Twenty-First Century Physics

Twenty-first Century Theoretical Physics is (no doubt) undergoing a major transition from the Old "Material-Causal" Paradigm towards the New "A-Causal Paradigm" "G-d's Physics" Paradigm; This is due to the fact that the Old "Material-Causal" Paradigm underlying 20<sup>th</sup> Century Physics' Relativity Theory (RT) and Quantum Mechanics (QM) indicates the two primary "symptoms" of an imminent "Paradigmatic-Shift" described by Thomas Kuhn (1962), e.g., the existence of an apparent "theoretical inconsistency" between these two RT & QM "pillars" of the Old "Material-Causal" Paradigm, and the principle inability of this Old "Material-Causal" Paradigm to account for up to 95% of

all the "mass" and "energy" in the universe (termed: "dark-matter" and "dark-energy", but which cannot be observed or verified empirically!) Indeed, according to Kuhn's brilliant analysis of the characteristics of such "Paradigmatic-Shifts", the appearance of these two "symptoms" of an apparent "theoretical inconsistency" between the pillars of the "Old Paradigm" and its inability to account for major observed empirical phenomenon (e.g., such as the accelerated expansion of the physical universe – which is assumed to be "caused" by the existence of purely hypothetical "dark-matter" and "dark-energy" that cannot be verified empirically) call for the discovery of a New Paradigm that can resolve these apparent theoretical inconsistencies and also explain this unexplained accelerated expansion of the

physical universe; Significantly, precisely the same condition existed over 100 years ago – when Einstein discovered his Relativity Theory, since back then there seemed to exist a principle "theoretical inconsistency" between the two "pillars" of Classical Newtonian Mechanics and Maxwell's Electromagnetic Theory, and there existed an equivalent (purely hypothetical) "ether" concept that was assumed to "perfuse" the whole universe, but which could not be detected empirically! This brought Einstein to discovery RT which could resolve the apparent "theoretical inconsistency" between Newtonian Mechanics and Maxwell's Electromagnetic Theory and also identified a particular empirical "Critical Prediction" that was different than the predictions of the Old Newtonian Mechanics' prediction;

Therefore, Twenty-first Century Theoretical Physics has reached a "dead-end" situation in which the two pillars of the Old "Material-Causal" Paradigm seem contradictory of each other and this Old "Material-Causal" Paradigm cannot account for up to 95% of all the "mass" and "energy" in the universe! In contrast, the New "G-d's-Physics" Paradigm (previously termed: the "Computational Unified Field Theory") was shown capable of resolving this apparent "theoretical inconsistency" between RT & QM, offer an alternative theoretical explanation for the accelerated expansion of the universe, and also identified a few unique "Critical Predictions" that can differentiate between the New "G-d's Physics" Paradigm and the predictions of the Old "Material-Causal" Paradigm – that once verified empirically would validate the New "G-d's Physics" Paradigm as the New Paradigm of 21<sup>st</sup> Century Physics! This would be akin (once again) to the empirical verification of Einstein's General Relativity Theory's by Eddington's 1919 Solar Eclipse validation of Mercury's doubled-value Perihelion curvature around the Sun due its predicted curvature of "Space-Time" etc. The major advancement made by the New "G-d's Physics" Paradigm is its discovery of the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel comprising the entire physical universe – at every minimal (consecutive) "time-point", giving rise to an incredibly rapid, (e.g.:  $c^2/h=1.36^{-50}$  sec') series of "Universal Frames" (UF's) comprising the physical universe! Indeed, this new discovery of the simultaneous UCP's computation of all of the exhaustive spatial pixels comprising the entire physical universe at each consecutive UF's frame has brought a "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" "A-Causal Computation" Paradigm!

This is because since according to this New "G-d's Physics" Paradigm the UCP *simultaneously computes* all exhaustive spatial pixels in the universe – for each consecutive UF's frame/s, and since the New "G-d's Physics" Paradigm postulates that the entire physical universe (and all of its comprising exhaustive spatial

pixels) "dissolve" "in-between" any two consecutive UF's frames, therefore according to the New "G-d's Physics" Paradigm there cannot exist any "material-causal" physical interactions between any two (or more) exhaustive spatial pixels existing either within the same- or different UF's frame/s! This profound Paradigmatic-Shift from the Old "Material-Causal" Paradigm to the New "G-d's Physics" "A-Causal Computation" Paradigm entirely changes Physics basic understanding of the entire physical universe – its origination, sustenance, and evolution – towards a "Perfect Moral, Spiritual and even Physical State! The Old "Material-Causal" Paradigm assumed that any phenomenon in the universe, e.g., whether at the relativistic (macroscopic) or quantum (microscopic) scale – can be explained as "caused" by specific "material-causal" physical interactions between particular "x" and "y" elements; Thus, General Relativity Theory assumes that the presence of certain massive objects ("x") "cause" the "curvature of Space-Time" ("y"), and conversely that this "curved Space-Time" "causes" (or determines) the "travelling pathways" of these massive objects (and other less massive objects); Similarly, at the microscopic scale, Quantum Mechanics assumes that it is the direct physical interactions between a subatomic "probe" element and a corresponding subatomic "target" element – which "causes" the "collapse" of the target's (assumed) "probability wave function" into a singular "complimentary" ("energy-space" or "mass-time") value. But, since according to the New "G-d's Physics" Paradigm there cannot exist any such direct "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels found at any single or multiple UF's frames (nor "in-between" any two such consecutive UF's frames in which the entire physical universe "dissolves" back into the singularity of the UCP!), therefore the New "G-d's Physics" A-Causal Computation Paradigm offers an entirely different, new (and exciting) theoretical account of the origin- sustenance- and evolution- of the entire physical universe towards its "Ultimate Perfected (Moral, Spiritual & Physical) State" called "Geula" in the "Jewish-Chassidic" Tradition!

## 2. "G-d's Physics" New "A-Causal Computation" Paradigm

Hence, the New 21<sup>st</sup> Century "G-d's Physics" Paradigm discovered that there cannot exist any direct (or even indirect) "material-causal" physical relationships between any two (or more) relativistic or quantum exhaustive spatial pixels existing either in the same- or different- Universal Frames (e.g., due to the complete "dissolution" of all exhaustive spatial pixels comprising the entire physical universe "in-between" any two consecutive such Universal Frames back into the singularity of the UCP!) This new profound discovery made by 21<sup>st</sup> century New "G-d's Physics" Paradigm produces a very fundamental "Paradigmatic Shift" from the Old "Material-Causal" Paradigm – throughout the various foundations of Theoretical Physics, and even beyond that, throughout the various sub-disciplines of

Science (more generally)! For example, one of the basic assumptions of the Old "Material-Causal" Paradigm is that the physical universe was created by an initial "Big-Bang" nuclear event: which created the various suns, galaxies, planets, matter, energy, etc. But, according to the New "G-d's Physics" Paradigm such a "Material-Causal" assumption wherein there existed an initial "nuclear event" that created the whole universe from an extremely condensed concentration of mass is strictly negated! This is simply because there could not have been any such direct (or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels) at any single- or multiple- Universal Frames (UF's), e.g., since the Universal Computational/Consciousness Principle (UCP) *simultaneously* computes every exhaustive spatial pixel in the universe for each consecutive UF's frame/s; and since the whole universe "dissolves" back into the singularity of the UCP "in-between" any two such consecutive UF's! Similarly, the assumption that the empirically observed acceleration of the physical universe is caused by the existence of purely hypothetical "dark-matter" and "dark-energy" – which also represents the same basic "Material-Causal" assumption is strictly negated by the New "G-d's Physics" "A-Causal Computation" Paradigm, which negates the existence of any direct or even indirect material-causal physical interactions between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frame/s!

In order to better understand the basic Paradigmatic-Shift from the Old "Material-Causal" Paradigm underlying 20<sup>th</sup> century Physics' Relativity Theory and Quantum Mechanics – to the New "A-Causal Computation" "G-d's Physics" (CUFT) Paradigm a "Cinematic-Film Metaphor" has been utilized: Imagine watching a film in which an extremely fast supersonic jet-plane is being depicted: if asked whether this supersonic jet-plane possesses any "energy" (or velocity) – our "automatic", "common-sense" reply would be that surely this jet-plane possesses (tremendous) velocity (or energy); But, upon closer examination of the "energy" or "velocity" of this 'jet-plane' across each of the rapid series of film-frames, we would have to reach the inevitable conclusion that in fact, this 'jet-plane' does *not* possess any "energy" or "velocity" – rather it is being "displaces" across the series of given film-frames so that its spatial location changes from one frame to another! In fact, if we were to compute the jet-plane's velocity (or energy) across the given series of film-frames, this would be given simply based on the degree of the jet-plane across the given series of frames; This is simply because if we were to compare the "energy" or "velocity" of the jet-plane to say the "energy" or "velocity" of another "pedestrian" appearing in the film, then we would discover that the only difference existing between their respective "velocity" or "energy" is based on their corresponding degree of "displacement" across the given series of film-frames, e.g., the 'jet-plane' has been displaced much more

than the 'pedestrian' across the given series of frames! In fact, based on this "Cinematic-Film Metaphor" illustrating certain key aspects of the New "G-d's Physics" Paradigm the essential computation of the four basic physical features of "space" and "energy", "mass" and "time" – as the UCP's computation of the degree of "lack of change" (inconsistency) or "change", given either relative to the entire "Universal Frame/s" (UF's) or relative to the internal constitution of any given object (e.g., "frame" or "object") can be explained: According to the New "G-d's Physics" Paradigm, the UCP simultaneously computes the four basic physical features of "space" and "energy", "mass" and "time" – based on two (out of three) associated Computational Dimensions of "Framework" (comprising "frame" or "object"), "Consistency" ("consistent" or "inconsistent")! Viewed from this new "G-d's Physics" "A-Causal Computation" Paradigm perspective, "space" and "energy" are computed as the UCP's computation of "frame"- "consistent" or "inconsistent" degree of displacement, whereas "mass" and "time" represent the UCP's computation of an "object" – "consistent" or "inconsistent" displacement;

In order to explain the basic "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "A-Causal Computation" Paradigm, the Cinematic-Film Metaphor utilizes a scenario in which a "Mercury Ball" is depicted as "impacting" a "Glass-Jar" – apparently "causing" its "shattering" and "spillage" of its constituent "water" on the floor... Once again, we find that this 'Cinematic-Film Metaphor' offers us a novel alternative perspective on the "real" underlying "dynamics" underlying what seems as the "breakage of the Glass-Jar as caused by the Mercury-Ball"; this is simply because when we "slow-down" the progression of the film-frames, we find that in all of the film-frames, both the "Glass-Jar" and the "Mercury-Ball" are presented "simultaneously" and therefore that there cannot exist any direct physical interaction between them at any of the multifarious film-frames comprising the entire film progression! The only thing that really "happens" in the film is the Director's arrangement of the series of film-frames in such an order that gives the "appearance" of the "Mercury-Ball" being presented at ever closer "proximity: to the "Glass-Jar" until their physical "conjoining", followed by film-frames depicting the "shattering of the Glass-Jar" and the "spillage of the Glass-Jar's water on the floor"?! In other words, even though there could not have been any real "material-causal" interaction/s between the "Mercury-Ball" and the "Glass-Jar" – since they are both being presented simultaneously for each consecutive film-frame/s, what seems to us (as the viewers of the film) is that there exists a clear "cause-and -effect" physical relationship/s between this Mercury-Ball and its "breakage" of the Glass-Jar... When we translate this 'Cinematic-Film Metaphor' into the "analogous" New "G-d's Physics" "A-Causal Computation" Paradigm we begin realizing that contrary to the Old "Material-Causal" Paradigm's basic

assumption wherein the physical universe operates based on strict "material-causal" physical interactions – either between certain "massive objects" and their "curvature of Space-Time" (and vice versa, the assumed curvature of Space-Time "causing" or determining the travelling pathways of those massive and other less-massive objects); or between a given subatomic "probe" element and a corresponding subatomic "target's probability wave function" which is assumed to "cause" the "collapse" of this target's "probability wave function" into a single complimentary (space-energy or mass-time) value; the New "G-d's Physics" (CUFT) Paradigm discovers that there cannot exist any such "material-causal" physical interactions between certain "massive objects" and their apparent "curvature of Space-Time" or between the subatomic probe and target's (assumed) "probability wave function" which "collapses" into a singular complimentary value! Rather, based on the abovementioned 'Cinematic Film Metaphor', all that truly exists is the UCP's arrangement of a series of UF's frames depicting these apparent "material-causal" physical interactions – which cannot truly exist since the UCP simultaneously computes all exhaustive spatial pixels for each consecutive UF's frame/s, and moreover the whole universe "dissolves" back into the singularity of the UCP "in-between" any two consecutive UF's frames (so that there cannot exist any "transference" of any physical effects or material entities across any two consecutive UF's frames!)

### 3. G-d's Physics New Paradigm's Conception: The "Arrow of Time" May be Reversed!

Indeed, one of the unique "Critical Predictions" of the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics which differentiates it from the corresponding predictions of both Relativity Theory and Quantum Mechanics (e.g., representing the Old "Material-Causal" Paradigm) regards the New "G-d's Physics" prediction that "time may be reversed"! This is because contrary to the Old "Material-Causal" Paradigm underlying both Relativity Theory (RT) and Quantum Mechanics (QM) assume that time may not be "reversed" – since according to Relativity Theory it is not possible to travel at a speed greater than the Speed of Light, hence it is not possible to "catch hold" of any previous light-signal; and similarly, according to Quantum Mechanics, following the assumed "collapse" of the subatomic target's "probability wave function" which is "caused" by its direct physical interaction with a corresponding subatomic "probe" element into a singular "complimentary" (energy-space, time-mass) value, it is not possible to "un-collapse" this already "collapsed" target's singular (complimentary) value back into its previous "un-collapsed" probability wave-function state!

Contrary to this basic Old "Material-Causal" Paradigm's assumption, which assumes that the four basic physical features of "space", "energy", "mass" and "time" characterizes the direct physical interactions between certain relativistic "massive-objects" and their curvature

of "Space-Time" or between specific quantum subatomic "probe" and "target's probability wave function" elements which "causes" the "collapse" of this "target's probability wave function" into a singular (complimentary) "space-energy" or "mass-time" value; the New "G-d's Physics" Paradigm postulates that the four basic physical features of "space", "energy", "mass" and "time" are being computed simultaneously for all exhaustive spatial pixels in the universe by the Universal Computational/Consciousness Principle (UCP) for each consecutive UF's frame/s! Specifically, the New "G-d's Physics" Paradigm postulates that the "time" value of any given exhaustive spatial pixel in the universe is computed by the UCP as the degree of that specific spatial pixel's "Object-Inconsistent" value across a given series of UF's frames! This means that the greater the degree of "Object-Inconsistent" (change) given in any specific spatial pixel the greater the value of "time" associated with this particular spatial-pixel... But, this also means that to the extent that it may be possible to manipulate the (electromagnetic) values of any given spatial pixel across a given series of UF's frames – such that their sequential (electromagnetic) values order may be "reversed" (across an equivalent series of UF's frames), then it should be possible to "reverse-time"! Indeed, contrary to the basic "Material-Causal" assumption underlying both RT & QM which views the "temporal value" of any given relativistic or quantum "phenomenon" (entity or event, etc.) as strictly associated with the transmission of a light-signal emanating from that particular "phenomenon", or as associated with the "unidirectional collapse" of the target's probability wave function as "caused" by its direct physical interaction with another subatomic "probe" element – which produces a particular complimentary "mass-time" single value; the New "G-d's Physics" Paradigm postulates that the "temporal value" of any given relativistic or quantum "phenomenon" (entity or event etc.) is computed by the UCP – solely based on its "Object-Inconsistent" combination, and therefore that it may be possible to "reverse-time" of any such given "phenomenon" based on a reversal of its sequential (electromagnetic) values across a series of given UF's frames!

Perhaps an even more fundamental assumption of the Old "Material-Causal" Paradigm underlying both RT & QM is indeed its "Material-Causal" assumption assuming that the origination- dynamics- and evolution- of any relativistic or quantum "phenomenon" or "event" arises from the direct (or indirect) physical interaction between any to (or more) exhaustive (relativistic or quantum) spatial pixels! In this manner the origination of the entire physical universe is assumed by General Relativity Theory to arise from an initial "nuclear event" – which "caused" a "cascade of events" that led to the creation of all of the suns, galaxies and planets in our universe; Indeed, the "Second Law of Thermodynamics" is also associated with this basic fundamental "Material-Causal" assumption since it assumes that the given "entropy

level" of any given Physical System "causes" the given Physical System to increase its "entropic value" with the passage of "time"; In other words, the "entropic value" of any given Physical System "causes" that given System to increase its "entropic value" with time – e.g., due to the intrinsic direct (or indirect) physical interactions between the various components of that given System across "time"... So, this "intrinsic characteristic" of any given Physical System stemming from its direct (or even indirect) physical interactions between its comprising exhaustive set of spatial pixels – i.e., in other words, its basic "Material-Causal" assumption, inevitably leads to its manifestation of the "Second Law of Thermodynamics" which asserts that the given level of "entropy" of any given (macroscopic-relativistic or microscopic-quantum) Physical System must increase with the passage of "time"; This "Second Law of Thermodynamics" characterization of the inevitable evolution and "decay" of any given Physical System – is indeed "synonymous" with the basic "Arrow of Time" theorem which postulates that "time" may only flow from the "past" to the "future", but not vice-versa!? In line with this unidirectional "Arrow of Time" assumption and its associated more fundamental (abovementioned) "Material-Causal" underlying assumption is also the basic "probabilistic account" of Quantum Mechanics: This is because (once again), this probabilistic account of the Old "Material-Causal" Paradigm assumes that it is only due to the direct physical interaction between a given subatomic "probe" element and a corresponding subatomic (assumed) "target's probability wave-function" – which "causes" the "collapse" of this "target's probability wave function" into a singular (complimentary) "mass-time", "energy-space" value; and that this "collapsing" of the subatomic target's (assumed) "probability wave function – cannot be "reversed" since the multifarious probabilistic (possible) values of the given "target's probability wave-function" undergo an "irreversible collapsing" into the singular complimentary "time-mass", "energy-space" value! Hence, the basic "Material-Causal" assumption underlying both RT & QM necessitate- and indeed ensue the "inevitable" "unidirectional" "Arrow of Time" property of any given (macroscopic or microscopic) Physical System, i.e., which necessitates "time" to flow "unidirectionally" – from the "past" to the "future" but not vice-versa!?

However, since the New "G-d's Physics" Paradigm negates this basic "Material-Causal" assumption underlying both RT & QM Old "Material-Causal" Paradigm – based on its discovery of the singular higher-ordered UCP which "simultaneously" computes all exhaustive spatial pixels in the universe, for each consecutive UF's frame/s; therefore the discovery of this New "G-d's Physics" Paradigm opens completely new possibilities for the broader and more exhaustive perspective of this New "A-Causal Computation" Paradigm of "G-d's Physics": Since the singular higher-ordered UCP simultaneously computes all exhaustive spatial pixels in the universe at the incredible rate of

$c^2/h = 1.36^{50}$  sec<sup>-1</sup> for each consecutive UF's frame/s, and moreover since the entire physical universe "dissolves" back into the singularity of the UCP "in-between" any two consecutive UF's frames, therefore according to the New "G-d's Physics" Paradigm there cannot exist any "material-causal" physical interactions (e.g., direct or indirect) between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames! Moreover, according to this New "G-d's Physics" Paradigm conception of the four basic physical features of "time", "mass", "energy" and "space" – these basic physical features exist only as computed by the singular higher-ordered UCP based on its two (out of three) "Computational Dimensions" of "Framework" ("frame"/"object") and "Consistency" ("consistent"/"inconsistent"), rather than are derived from any direct physical interaction/s between any relativistic or quantum components. In fact, based on two other theoretical postulates of this New "G-d's Physics" Paradigm called: the "Computational Invariance Principle" and its associated "Universal Consciousness Reality", the New "G-d's Physics" Paradigm completely revises our basic conception and understanding of these four basic physical features and the true nature of the physical universe!

This is because according to the "Computational Invariance Principle", the only "computationally-invariant" element in the universe is this singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) – which exists uniformly and consistently both "during" each consecutive UF's frame/s and also solely exists "in-between" any two consecutive UF's frames; whereas those four basic physical features of "space", "energy", "mass" and "time" may only be regarded as "computationally-variant", e.g., exists only "during" each consecutive UF's frame/s, but ceases to exist "in-between" any two consecutive UF's frames! Therefore, the associated "Universal Consciousness Reality" theoretical postulate asserts that since only this singular higher-ordered "Universal Computational/Consciousness Principle" exists consistently and continuously both "during" each consecutive UF's frame/s – in which it solely computes all exhaustive spatial pixels' four basic physical features, and solely exists "in-between" any two consecutive UF's frames (in which all exhaustive spatial pixels' four basic physical features "dissolve" back into the singularity of the UCP), hence the only thing that "really" exists is this singular higher-ordered "Universal Consciousness Reality", whereas all exhaustive spatial pixels' (four basic physical features) only represent a "transient", "phenomenal" manifestation of this singular higher-ordered Universal Consciousness Reality!

Indeed, viewed from this new higher-perspective, "time" as well as the other three basic physical features (of "space", "energy" and "mass") is seen as representing a "transient", "phenomenal" manifestation of this singular higher-ordered UCP's computation of the degree of

"Object-Inconsistent" for any particular spatial pixel across a given series of UF's frames – rather than exists "objectively" or "consistently" (e.g., as a "material-causal" entity "caused" by its interaction with other relativistic or quantum elements)! Hence, according to this New "G-d's Physics" Paradigm, the entire physical universe (and all of its constituent exhaustive spatial pixels) is seen – not as existing "objectively" and "independently", but rather only as a "transient", "phenomenal" manifestation of the "real" singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which produces- "dissolves"- re-produces- and evolves- every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36 \cdot 10^{50}$  sec"! Viewed from this new higher-ordered singular perspective of the Universal Consciousness Reality (UCR) perspective, both the existence of the physical universe as a "solid-objective" reality and as constrained by the (abovementioned) "Arrow of Time" unidirectional flow of time – e.g., from the "past" to the "future", but not vice versa are significantly challenged! The universe (and all of its constituting exhaustive spatial pixels) only exist "transiently" and "phenomenally" as manifestations of the singular higher-ordered Universal Consciousness Reality (UCR) – but do not exist "independently" of it, and only exist "during" this UCR's intermittent computation of the (extremely rapid) series of UF's frames (e.g., "dissolving back" into the singularity of the UCR "in-between" any two consecutive UF's frames); and precisely since all exhaustive spatial pixels comprising the entire physical universe critically depend (for their existence, sustenance and evolution) upon the operation of this singular higher-ordered UCP/UCR – and specifically, upon its two Computational Dimension (of "Framework" and "Consistency") for their computation of the four basic physical features of "space", "energy", "mass" and "time"; therefore, the New "G-d's Physics" Paradigm discovers, e.g., for the first time in Physics (history) that it may be possible to "reverse-time", by emulating and "reversing" the sequential computation of the UCP's for each given spatial pixel/s (object) series of electromagnetic values (across a given series of UF's frames)!

#### 4. "G-d's Physics" "Ten Laws of Hierarchical manifestation"

In fact, as mentioned earlier (and previously), the New "G-d's Physics" (CUFT) Paradigm has shown us, e.g., based on its two "Computational Invariance Principle" and "Universal Consciousness Reality" theoretical postulates) that the physical universe may only be regarded as a "transient-phenomenal" manifestation of the singular "real" reality of the "Universal Consciousness Reality" (UCR) – which exists both "during" each consecutive UF's frame/s and also solely exists "in-between" any two consecutive UF's frames (wherein the entire physical universe "dissolves" back into the singularity of this UCP)! This "startling" and "profound" new discovery made by the New "G-d's Physics" Paradigm has indeed led to the further

discovery of the "Ten-Laws of Manifestation", which are herein described briefly, i.e., essentially indicating that the existence, manifestation, sustenance and evolution of the entire physical universe may not be explained from "within" the universe – but rather must be explicated as resulting solely from the UCP's intrinsic characterization of those "Ten-Laws of Hierarchical Manifestation" which are listed below:

##### a) The UCP's Three "Computational Dimensions": Framework, Consistency and Locus

The first ("lowest") Law of Manifestation is the UCP's three "Computational Dimensions" of "Framework" (frame/object), "Consistency" (consistent/inconsistent) and "Locus" (global/local), which were shown to produce the four basic physical features of "space" and "energy" (i.e., "frame-consistent" or "frame-inconsistent") or "mass" and "time" (e.g., "object-consistent" or "object-inconsistent") computational measures. This means that the UCP's basic computation of the four basic physical features of the physical universe of "space" and "energy", "mass" and "time" are seen to merely represent different computational combinations of the UCP's (UCR's) two Computational Dimensions (Framework and Consistency – with the third "Locus" Computational Dimension qualifying these four basic physical features depending on the particular point of view of the "observer", e.g., from within the measured phenomenon or from the perspective of the entire UCP's frame etc.).

##### b) The UCP's "Universal Computational Formula" (UCF): Complete Integration of Space, Energy, Time & Space

The "second" (ascending) UCP's Law of Manifestation is its "Universal Computational Formula" (UCF) which completely integrates those four basic physical features of "space" and "energy", "mass" and "time" – due to the UCP's simultaneous computation of each of those exhaustive spatial pixel's four basic physical features! We find that due to the fact that the UCP simultaneously computes all of those four basic physical features simultaneously for each exhaustive spatial pixel therefore the UCP's "Universal Computational Formula" (UCF) describes the manner in which these four basic physical features are computed simultaneously (for each exhaustive spatial pixel comprising every consecutive UF's frame/s)! As explained previously, we find that this integrated simultaneous computation of the UCP – of those four basic physical features implies that they are truly not "separate" or "independent" of each other, but rather represent integrated- and (in fact) "complimentary" secondary computational "by-products" of the same singular UCP's computation of every exhaustive spatial pixel (in the universe), in terms of its "Object"/"Frame" – "Consistent"/"Inconsistent" computational measures; As explained previously, for instance, the well-known relativistic "laws" (and relationships), such as between an object's relativistic speed and its increase in "mass" or "dilation of time" –

may be easily explained based on the UCP's simultaneous and integrated computation of any given object's (increased) "Object-consistent" ("mass") value and its (decreased) "Object-inconsistent" ("time") value, or between an object's (increased) "Frame-inconsistent" ("energy") value and its (increased) "Object-consistent" ("mass") value; this is due to the fact that the UCP's computational definitions of any give (exhaustive) spatial pixel's "Object-consistent" ("mass") is converse to its computational definition of that spatial pixel's "Object-inconsistent" ("time"), and likewise due to the UCP's computational definition of any given (exhaustive) spatial pixel's "Frame-inconsistent" ("energy") value is necessarily conversely related to its computational definition of that spatial pixel's "Object-consistent" ("time") value, due to certain UCP's computational constraints set on the "maximal degree of displacement" possible of any given object (e.g., in terms of the number of spatial pixels it may be displaced across any two given consecutive UF's frame/s!) Indeed, in this manner the discovery of "G-d's Physics" "Universal Computational Formula's" complete unification of the four basic physical features of "space" and "energy", "mass" and "time" (as "Frame"-consistent/"inconsistent" and "Object"-consistent/"inconsistent" computational measures) has led not only to the unification of key relativistic and quantum features as integral computational aspects of the UCF, but (perhaps more significantly) also led to a complete unification of space, energy, mass and time as secondary computational integrative aspects of the same unitary singular UCR, including its replication and explanation of key Relativistic and Quantum "law" and relationships such as the "Energy-Mass Equivalence", the "curvature of Space-Time by mass" the "dilation of time" for "relativistic observers" (or for "massive objects") etc. Indeed, one of the recent "striking" new discoveries made through this UCF is its potential accounting for all known (and to be discovered) elementary particles predicted by the Standard Model – as merely representing different computational values embedded within this UCP's "Universal Computational Formula"; as well as unifies between the four basic forces (Weak, Strong, Electromagnetic and Gravitational)! Nevertheless, as pointed out above (and previously), "G-d's Physics" realization of the "Computational Invariance Principle" and especially of the "Universal Consciousness Reality" (UCR) teaches us that none of these "transient-phenomenal" "particles", or "forces" or even four basic physical features (of "space" and "energy", "mass" and "time") may be regarded as "real" continuous "independent" material entities – but are now only seen as transitory manifestations of the singular higher-ordered UCR!

### Universal Computational Formula (UCF)

$$\begin{array}{c} \text{׳} \\ \left. \begin{array}{c} c^2 \\ - \\ h \end{array} \right\} \\ \text{UF's } \{\aleph \dots \aleph \dots \aleph\} \end{array} = \frac{s * e}{t * m}$$

(**Note:** herein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("׳") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through "ז" to "ת") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of:  $c^2/h = 1.36^{-50}$  sec'!)

#### c) The UCP's Supra Spatial-Temporal Reservoir: Multiple Possible Future/s!

The next "rung" UCP's "Hierarchical-Law of Manifestation" relates to the UCP's computation of all possible "past", "present" and multiple possible "future/s" UF's frame/s which are contained within the UCP's "Multi Spatial-Temporal Reservoir"! Indeed, according to "G-d's Physics" New Paradigm, since there cannot exist any direct (or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different-UF's frames – but rather the UCP simultaneously computes all of these exhaustive spatial pixels comprising each consecutive UF's frame/s; therefore there exists a "bank" of all "past", "present" and multiple possible "future/s" UF's frame/s which are computed by the UCP and stored within it – which in turn are dependent upon still higher "rung" "Hierarchical-Laws of Manifestation", i.e., such as the "Dynamic-Equilibrium Moral Principle"! It is nevertheless noteworthy to mention (at this point) that this UCP's "Supra Spatial-Temporal Reservoir" transcends "space" and "time" – as it includes all "past", "present" and multiple possible "future/s" UF's, and also that it exhibits a "unitary-integrative-singular" Reality which encompasses all past, present and multiple future/s UF's as a singular Reality which is associated and indeed being affected by yet higher "rungs" of the UCP's "Hierarchical Laws of Manifestation"!

#### d) The UCP's "Dynamic-Equilibrium Moral Principle"

The next ("higher-up") "Hierarchical Law of Manifestation" is the "Dynamic-Equilibrium Moral Principle" which essentially describes one of the basic

intrinsic propensities or characteristics of the "Universal Consciousness Reality" (UCR) which relates to its basic "Unitary-Harmonious" nature; i.e., since there exists only one singular higher-ordered UCP/UCR – which exists both "during" its (simultaneous) computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s and also solely exists (without the presence of any physical universe) "in-between" any two consecutive UF's frame/s, and since this unitary and singular UCR possesses an intrinsic propensity to encourage all "Individual Human Consciousness" (e.g., human beings) to realize their "inseparability" from this singular higher-ordered "Unitary-Harmonious" UCR; therefore the "Dynamic-Equilibrium Moral Principle" represents the UCP's intrinsic tendency towards "balancing" any "moral-injustice" or "immoral choice" made by any given Individual Human Consciousness towards another Individual Human Consciousness! Metaphorically speaking, in the same manner that a healthy human-being would never use their "right hand" to "inflict pain" upon their "left hand" (because they are part of the same human-being), so does this UCP's "Dynamic-Equilibrium Moral Principle" operate to "teach" and "correct" any given Individual Human Consciousness (e.g., person) who opts to inflict "pain" or "suffering" (G-d forbid) upon another Individual Human Consciousness to not repeat such "immoral-choice/s or action/s" based on its computation of an "equivalent negative (pain/suffering)" experienced by the same Individual Human Consciousness that decided to inflict pain upon another Individual Human Consciousness... This means that to the UCP's "Dynamic-Equilibrium Moral Principle" selects one of the multiple possible "future/s" for each Individual Human Consciousness based on its "moral/immoral" choice/s and action/s executed towards any other Individual Human Consciousness – in order to "balance" any "immoral choice/action" so that that Individual Human Consciousness that chose (G-d forbid) to inflict pain upon another Individual Human Consciousness would have to "experience" (itself) such a "negative experience" (e.g., of the same degree of "pain"/"suffering" that it inflicted upon the other Individual Human Consciousness). Indeed, as mentioned above (and previously) the "Trampoline-Metaphor" was given wherein if a "metal-bar" was placed on the elastic sheath of a Trampoline such that it "connects" two points (equivalent to two Individual Human Consciousness), and to the extent that one of these two points "chose" to "push and press hard" the metal-bar against the other point – then this would inevitably lead to the other point automatically "pushing back" the metal bar against the "first-point" (which would be a representation of the Dynamic-Equilibrium Moral Principle's "balancing" of any "immoral-choice" made by one Individual Human Consciousness against another Individual Human Consciousness that "automatically" sets in motion the UCR's "balancing" and "teaching" that "inflicting-pain" Individual Human Consciousness having to experience the same "degree" of "pain/suffering" that it inflicted

upon the other Individual Human Consciousness)... We therefore see that the selection of one of multiple possible "future/s" UF's for each Individual Human Consciousness is carried out by the UCR – based on the "moral/immoral choice/s" executed by any Individual Human Consciousness at any given point in time towards any other Individual Human Consciousness! (Obviously, such "incomprehensible", "infinite" Intelligence implied by this UCR's "infinite" capacity to compute and "balance" all of the almost either Billion Individual Human Consciousness towards any other Individual Human Consciousness at any past, present or indeed future/s time/s – may invoke a sense of "wonderment", "awe" and even "reverence" towards this UCR's "Infinite Intelligence" and also its basic "All-Goodness" propensity to "teach" and "harmonize" all Individual Human Consciousness to "respect" and regard any other Individual Human Consciousness as "inseparable" from the same singular higher-ordered "Universal Consciousness Reality"...) )

#### e) The UCP's "Expansion of Consciousness" (Inanimate & Animate) Hypothesis

But, even beyond the UCP's "Dynamic-Equilibrium Moral Principle", which computes one of multiple possible "future/s" UF's frame/s for each Individual Human Consciousness based on each Individual Human Consciousness' "selection" of "moral/immoral choice/s" at each point in time, there exists a more general tendency of the UCP to express ever more "expansive" forms of Consciousness – i.e., from the inanimate forms of "matter" (e.g., including all relativistic and quantum subatomic "particle/s" or "wave", the Four Forces of Nature etc.) through animate: plants, animals and leading up to human-beings (which manifests the most "expansive" form of Consciousness! Even within this most advanced and "Expansive" form of Individual Human Consciousness (e.g., human-beings) there exists a further "Expanded form of Human Consciousness" – in which the Individual Human Consciousness is "inseparable" from the Universal Consciousness Principle (UCP or UCR), which was previously outlined; In this "expanded" form of Individual Human Consciousness the "expanded Human Consciousness" functions in a manner which is equivalent to the functioning of the UCR (e.g., in some respects, at least) – which implies that such "Expanded Individual Human Consciousness" can cognize- know- and even affect- any exhaustive spatial pixel/s in the universe (simultaneously and pertaining to any "past", "present" or multiple possible "future/s" UF's frames)! Indeed, as previously outlined this "Expansion of Consciousness" hypothesis implies that there does not exist any real "separation" between the UCP's "driving" of the evolution of Inanimate forms (e.g., relativistic or quantum – including the accelerated expansion of the universe and all Four Forces, basic particles etc.) towards its more expansive expression of animate forms – including the whole presentation of ever more conscious forms of animate: plants, animals and human-beings and up to the most

"expanded form of Individual Human Consciousness! Hence, for the first time, Science's New "G-d's Physics" 21<sup>st</sup> Century Paradigm "bridges the (apparent) gap" between its various sub-disciplines of Physics, Biology and Psychology etc., as comprising one fully integrated process allowing the UCP to express ever more "conscious" and "expansive" forms of manifestation!

**f) The UCP's "Collective Human Consciousness Focus Hypothesis" & Jewish "Rosh-Hashana" (New Year) Non-Continuous Accelerated Expansion Rate Prediction**

The next higher-up "rung" of the Hierarchical Laws of Manifestation is the "Collective Human Consciousness Focus" (hypothesis) which essentially points out that there exists a close connection between a state in which a multitude group of Individual Human Consciousness all focus collectively upon the singular higher-ordered UCP/UCR – in prayer to be "connected" or receive "plentitude" from this singular higher-ordered UCP/UCR, which brings about a "Blessing" or "Plentitude", "Life", "Growth", "Goodness" from this singular higher-ordered UCP/UCR! This "Collective Human Consciousness Focus Hypothesis" explains in what manner this singular higher ordered UCR bestow "Growth", "Expansion", "Life" or "Goodness" upon all of Humanity, and even towards the accelerated expansion of the physical universe! In other words, beyond the previous "Dynamic-Equilibrium Moral Principle's" account of the UCP/UCR's selection of one of multiple possible "future/s" UF's frame/s for each Individual Human Consciousness – in order to "balance" and "teach" each such Individual Human Consciousness to recognize it's inherent "oneness" and "unitary-harmony" with all other Individual Human Consciousness based on their common "inseparability" from this singular higher-ordered UCR and its intrinsic basic "Moral Principle"; Beyond that there arises the question – what may "drive" the UCR's singular higher-ordered Reality to evolve the entire universe and particularly our own Human World and lives and continuously bestow "Life", "Health", "Sustenance", "Goodness" to continue to sustain and evolve our physical existence and needs (material and spiritual etc.), as well as sustain and evolve the whole of Life, the various Suns, Galaxies and Universe at large?! Once again, we must remember that according to the New "G-d's Physics" Paradigm, we cannot (any longer) look towards any "material-causal" direct or indirect physical interactions between any two (or more) exhaustive spatial pixels, but rather must look at these higher-ordered "Hierarchical Laws of Manifestation" in order to be able to understand and "explain" the UCR's continuous computation- "dissolution" and evolution of every exhaustive spatial pixel comprising every consecutive UF's frame/s! Indeed, according to this "Collective Human Consciousness Focus Hypothesis" and associated Jewish "Rosh-Hashana" (New Year) "Non-Continuous Accelerated Expansion of the Universe" one of the "reason/s" for the singular higher-

ordered UCR's continuous computation- sustenance- and evolution- of the entire physical universe is anchored in- or related to- a State of "Collective Human Consciousness Focus" towards this singular higher-ordered UCR, in which many millions of Individual Human Consciousness direct their focus and Consciousness collectively towards this UCR and pray for the bestowal of "Goodness, "Life", "Happiness" etc.!

Indeed, according to one of the unique "Critical Predictions" differentiating the new "G-d's Physics" from the Old "Material-Causal" Paradigm is this particular prediction wherein there will be a "Non-Continuous Accelerated Expansion Rate" at the Jewish Rosh-Hashana (New Year) time-interval wherein the accelerated rate of the universe's expansion rate – observed in each Jewish Year prior to the "Rosh-Hashana" (New Year) will increase in a non-continuous rate ("leap") at the special "two-day" time interval of the New Rosh-Hashana time (and continue at this increased accelerated rate throughout the New Jewish Year) – due to the abovementioned "Collective Human Consciousness Focus Hypothesis", wherein Millions of Jews all over the world pray at this time to the singular higher-ordered UCR, "G-d" for providing them and the world with Life, Health, Growth etc.!

**g) The UCP's "Reversed-Time Goal Hypothesis" ("Geula")**

Indeed, the discovery of the UCP's "Non-continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana" special "time-interval" and the UCP's basic "Good-Will" propensity to bestow "Life", "Health", "Happiness", "Fulfilment" is closely related to the UCP's basic "Goal" in creating- sustaining- and evolving the entire physical universe, the "Expansion of Consciousness" (e.g., including the development of inanimate, animate" plants, animals, human-beings) – all "designed" and "planed" to culminate in the leading up to another "higher" "Hierarchical Law of Manifestation" of the UCP which is called: the UCP's "Reversed-Time Goal (Geula) Hypothesis"! According to this "Reversed-Time Goal Hypothesis (Geula), the UCP's entire series of UF's frames – from the beginning of the manifestation of the inanimate physical universe through its various expressions of ever more expansive forms of animate: plants, animals and human-beings etc. – is all planned and designed initially to lead to the universe's "Perfected Geula" State: Physically, Morally and Spiritually! Indeed, as outlined previously, this Perfected State of "Geula" (e.g., a term signifying complete "Redemption" and "Perfection" in the Jewish Tradition) represents a state of the world in which there exists complete "harmony", "peace", and a basic recognition and gratitude of human-beings towards the basic underlying singular "All-Goodness" "UCR, i.e., "G-d" Reality which continuously sustains and evolves all of Life and the entire universe; Tis state is also typified by the lack of any "violence" or "aggression, the abolishment of "death" and complete peace, harmony and a deep sense of gratitude and appreciation, prayer and studying of this

singular higher-ordered Universal Consciousness Reality, "G-d"!

#### h) The UCP's "Good-Will" Hypothesis

The next "higher-up" "Hierarchical-Law of Manifestation" is the basic intrinsic propensity of this singular higher-ordered UCP/UCR of "Good-Will" (hypothesis) which characterizes the UCP's basic "drive" to bestow "Goodness", "Life", "Growth" towards all of Life! This basic "Good-Will" propensity of the singular higher-ordered UCR manifests in its basic sustenance and Life-Giving force to create Life, sustain all of Life, fulfill the basic needs and beyond that create ever more "expansive" opportunities for Life in general and human-beings (in particular) to grow and evolve, to fulfil their full potential and to expand their Moral and Spiritual awareness towards appreciating the Oneness and Singularity of this Universal Consciousness Reality.

#### i) The UCP's "Free-Will" Hypothesis

Above and beyond all of these UCP's various "Hierarchical Laws of Manifestation" the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics and Science postulates that there exists the most basic "Free-Will" of the UCP – unbound by any "limits" of its creation of the physical universe and all of its various inanimate and animate forms, unaffected by any of the multifarious manifestations of the universe and which transcends even its own "ultimate Goal of Geula"! This entirely "Free-Will" origin of the UCP, nevertheless "cares" about the "Goodness" of Human-beings and all of Life; this is also where the Jewish concept of an unlimited "Compassion and Forgiveness" (e.g., Thirteen Propensities of Mercy") of this UCP manifests and where the basic Jewish concept of "Teshuva" – the ability to ask for "forgiveness" from this singular UCR, "G-d" and to make a "sincere conscious decision" to "not repeat any immoral actions" is made possible (which was also shown to be capable of "altering" and indeed "avoiding" any of the negative possible "multiple future/s" instigated by any Individual Human Consciousness selection of any "immoral action/s", G-d forbid)!

So, we reach the inevitable conclusion that the physical universe does not exist as an "independent" "material-causal" entity; it was not created by an initial "Big-Bang" nuclear event; nor is it governed by mere "material-causal" physical interactions between certain "massive objects" and their (assumed "causal") "curvature of "Space-Time"; nor is its accelerated rate of expansion "caused" by purely hypothetical "dark-matter" or "dark-energy" concepts; Nor its subatomic realm determined based on direct (or even indirect) physical interactions between any given subatomic "probe" and corresponding "target's probability wave function" entities – which is assumed to "cause" the "collapse" of these "target's probability wave function" into single ("complimentary" space-energy or time-mass) single value! Nor can we explain the behavior of the "Four (basically assumed) Forces" (e.g., Strong, Weak, Electromagnetic and

Gravitational) based on any direct physical interaction/s between particular rudimentary subatomic particles (as the Standard Model assumes)!? Instead, the New "G-d's Physics" "A-Causal Computation" Paradigm discovered the existence of a singular higher-ordered "Universal Computational Principle" – later on revealed to constitute a "Universal Consciousness Reality" (UCR) which simultaneously computes all exhaustive spatial pixels in the universe for every consecutive UF's frame/s at the incredible rate of " $c^2/h$ " =  $1.36^{50}$  sec"! Moreover, the New "G-d's Physics" Paradigm's discovery of the existence of the singular higher-ordered UCR which exists continuously and constantly – both "during" its (simultaneous) computation of every consecutive UF's frame/s and also solely exists (without the presence of any physical universe) "in-between" any two such consecutive UF's frames has led to a profound fundamental Paradigmatic-Shift in our basic understanding of the nature, origin, dynamics and evolution of the entire physical cosmos! This is because the basic realization that the physical universe does not exist (any longer) as an "independent material" entity – but only as a "transient-phenomenal" manifestation of the singular continuous and "real" and "permanent" underlying "Universal Consciousness Reality" – which is governed based on its own intrinsic "Ten Laws of Hierarchical Manifestation" transforms the whole of Science and our basic understanding of the physical universe!

#### 5. "G-d's Physics" New "Multi-Spatial-Temporal Reservoir" & "Dynamic-Equilibrium Moral Principle"!

Indeed, the major "Paradigmatic-Shift" of the New "G-d's Physics" Paradigm from the Old "Material-Causal" Paradigm of Relativity (RT) Theory and Quantum Mechanics (QM) The next major discovery made by the New "G-d's Physics" Paradigm is that the entire series of all "past", "present" and multiple possible "future/s" UF's frames comprising the whole history and evolution of the entire physical universe – and of every Individual Human Consciousness (human-being) within it is contained within this singular higher-ordered Universal Consciousness Reality's "Multi Spatial-Temporal Reservoir" (bank) of all past- present- and multiple possible future/s! This ensues from the realization that contrary to the Old "Material-Causal" Paradigm's assumption that the universe exists as a "solid-continuous" physical reality which is dictated merely by direct (or indirect) physical interactions between given relativistic or quantum physical interactions; according to the New "G-d's Physics" Paradigm the entire universe – and all of its constituting exhaustive spatial pixels only exist "transiently" and "phenomenally" as solely produced by- and merely as a manifestation- of this singular higher-ordered Universal Computational/Consciousness Reality! As shown in previous articles, this inevitably leads to the discovery and recognition of this singular higher-ordered Universal

Consciousness Reality's (or UCP's) "Ten Laws of Hierarchical Manifestation":

The key important point for our discussion of the New "G-d's Physics" Paradigm that arises from the delineation of the singular higher-ordered "Universal Consciousness Reality's" "Ten-Laws of Hierarchical Manifestation" is anchored in the recognition of the centrality of our own Human Consciousness' Moral Choice/s, which "triggers" this Universal Consciousness Reality's selection of one possible future – out of multiple possible future/s, based on its intrinsic (one of these Ten Hierarchical Laws of Manifestation), which allows for a "moral-balancing" the Universal Consciousness Reality's "Dynamic Equilibrium Moral Balance"! As stated above (and previously), the "Dynamic-Equilibrium Moral Principle" states that due to the Universal Consciousness Reality's intrinsic basic "Moral Integrity, Unity, Peace and Harmony" characteristics, in any event in which any specific "immoral-choice/s" carried out by one of its constituting "Individual Human Consciousness" – leads this Universal Consciousness Reality to select one of multiple possible future/s for that Individual Human Consciousness which inflicted "pain/suffering" upon another Individual Human Consciousness an equivalent "future" situation in which it will have to experience the same kind (and degree) of "pain/suffering" so that it will realize that it is not "separate" from the singular higher-ordered Universal Consciousness Reality – of which the other ("suffering") Individual Human Consciousness is also an "integral" part of! In other words, the whole purpose and aim of this singular higher-ordered Universal Consciousness Reality's "Dynamic-Equilibrium Principle" is to "teach" and "correct" any "immoral-tendency" or "immoral-action" taken by any if its myriad constituting "Individual Human Consciousness" integral elements – that in fact, we are not "separate" from this singular Universal Consciousness Reality! It is important to note (in this context) that this Universal Consciousness Reality's "Dynamic-Equilibrium Principle" also denotes that the UCR also remunerates each Individual Human Consciousness – for every "good-moral" choice that it makes towards another Individual Human Consciousness with an equivalent "selection" of one of multiple possible future/s as a "positive consequence" for its recognition- and action- towards a manifestation of the "Oneness", "Morality" and "Goodness" of this singular higher-ordered Universal Consciousness Reality! This (latter) "expansion" of the Universal Consciousness Reality's intrinsic "Dynamic-Equilibrium Moral Principle" – to include also its remuneration for all "positive-good" actions and choices by equivalent selection of equivalent "positive-good" selected "future/s" for each Individual Human Consciousness that chose to conduct such "positive-good" moral choices towards another Individual Human Consciousness (human-being) brings us ever close to the realization of the highest aspect of this New "G-d's Physics" discovery of the singular

Universal Consciousness Reality's "Reversed-Time 'Geula' Goal Hypothesis";

#### 6. "G-d's Physics "Reversed-Time 'Geula' Goal Hypothesis" & Power of "Teshuva"!"

This is because according to the New "G-d's Physics" Paradigm, the entire "Plan" and "Ultimate Goal" of the "Universal Consciousness Reality's" (UCR) is computed – from the "Ultimate-Goal" of leading the entire physical universe towards a state of "Moral, Spiritual and Physical Perfection" called "Geula" in the Jewish Tradition "backwards" throughout the entire origination-sustenance- and evolution- of the entire physical universe towards that Perfected "Geula" state in which the Oneness, Unity and Moral-Spiritual Perfection of the singular Universal Consciousness Reality as the "sole Reality" underlying the entire physical universe and all of the multifarious inanimate, animate: plants, animals and human-beings – leading to this Perfected "Geula" State will manifest in Humanity and in the whole world (and universe)! Instead of the physical universe created by a "random" ("meaningless"?) nuclear "Big-Bang" event, and its ongoing evolution inevitably leading to a state of complete "dissolution" of the suns, galaxies, Life etc. based on the "Second Law of Thermodynamics" (e.g., which was shown to be negated by the New "G-d's Physics" Paradigm), the New "G-d's Physics" Paradigm postulates that the universe's continuous ongoing computation- dissolution- sustenance- and evolution- as well of its ever more expansive manifestations of "inanimate", "animate"- plants, animals, and human-beings forms, and leading up to the most "expansive" Ultimate Goal of the "Perfected Geula State" of the world was all planned by this Universal Consciousness Reality based on its "Ultimate Geula Goal"! Indeed, according to this New "G-d's Physics" Paradigm, the entire continuous creation of the universe and the whole evolution of the various ascending and more expansive forms of inanimate matter, through animate: plants, animals and humans is "propelled" by the Universal Consciousness Reality's Ultimate Goal of manifesting the most expansive form of this Universal Consciousness Reality of Individual Human Consciousness – which possesses both a "Free Moral-Choice", and a capacity to inquire, investigate and ultimately discovery and appreciate the singular higher-ordered "Universal Consciousness Reality"! We therefore reach the inevitable conclusion wherein the whole development of the entire physical universe is aimed- and geared-towards the Universal Consciousness Reality's manifestation of the most "expansive" and "Perfected-Geula" State of Humanity and Science – as Humanity's "objective vehicle" for the inquiry of Truth) wherein there is a recognition of the "Oneness", "Unity", "Peace" and "Harmony" characterizing the sole "computational-invariant" sole reality of the Universal Consciousness Reality (UCR) underlying every exhaustive spatial pixel comprising the entire physical universe! Indeed, once we realize that there cannot exist any "material-causal" physical relationship/s between any two (or more)

exhaustive spatial pixels comprising any single or multiple UF's frames; and that, in fact, the whole physical universe exists – not as a "solid-continuous objective reality", but rather only as a "transient-phenomenal" manifestation of the singular higher-ordered sole constant and continuous "Universal Consciousness Reality"; and therefore that the whole creation (computation), "dissolution", re-computation, and evolution of the whole physical universe (and of every exhaustive spatial pixel comprising it) – may only be explained based on the abovementioned "Ten Laws of Hierarchical Manifestation" characterizing the dynamics and operation of this singular higher-ordered "Universal Consciousness Reality; we therefore accept one of these 'Ten Laws of Hierarchical Manifestation', namely: the "Reversed-Time Goal Hypothesis" which states that the whole creation of the entire physical universe has been- and is being continuously computed- solely by this singular higher-ordered "Universal Consciousness Reality" from its inception of the physical universe, e.g., possibly with its production of the initial Universal Frames depicting the origination of an "inanimate material" universe through its progressive production (e.g., computation) of "animate": plants, animals and human-beings – leading up to the most "complex" and "expansive" form of Individual Human Consciousness, and particularly to the Ultimate "Perfected Geula State" of Humanity (and Science) in which the sole reality of this singular higher "Universal Consciousness Reality" will be recognized and its basic fundamental "All-Goodness", "Moral Dynamic-Equilibrium Moral Principle" and complete "Unity and Harmony" between all human-beings (animals and plants) will be recognized!

The essential point to be realized is that since the whole aim and Ultimate Goal of the sole reality of the "Universal Consciousness Reality" underlying-producing- manifesting- (and transcending) the entire physical universe is to manifest ever more "expansive" forms of Consciousness – leading from "inanimate" matter through "animate": plants, animals, human-beings up to the most "advanced" and "most expansive" manifestation of the sole and singular reality of the "Universal Consciousness Reality's Geula State", in which all of Humanity recognizes the "Oneness", "Unity" and "Moral Perfection" characterizations of this UCR; therefore it follows that all Individual Human Consciousness (e.g., individual human-beings) must also reach this "Perfected Geula State" – which includes the major component of "Moral-Perfection", i.e., not "harming" other human-beings and reaching an "expanded" state of Individual Human Consciousness in which every Individual Human Consciousness is in a state of complete recognition of its own- as well as appreciation of other Individual Human Consciousness (e.g., "other" human-beings)- "inseparability" and in fact "oneness" with the singular Universal Consciousness Reality! The manner in which such an "expanded" Individual Human Consciousness "Morally-Perfected"

state may be reached is through one of two avenues: a) based on the "moral-balancing" of the UCR's "Dynamic-Equilibrium Moral Principle", e.g., through the UCR's selection of one of multiple possible "future/s" for each Individual Human Consciousness which (G-d forbid) "inflicted-pain or suffering" upon another Individual Human Consciousness, which will allow that "inflicting pain/suffering" Individual Human Consciousness will have to experience the same degree of "pain/suffering" experienced by the other Individual Human Consciousness: this will eventually "instigate" a reflective mode or "Teshuva", i.e., remorse, asking for "forgiveness", "correcting the "immoral act" (as much as possible) and a "conscious decision" to NOT repeat any such (or different) "immoral act/s" that may indeed inflict "pain/ suffering" upon another Individual Human Consciousness; b) A Conscious "Teshuva" decision, i.e., akin to the abovementioned "Teshuva" instigated following experiencing the same degree of an equivalent "pain/suffering" – but without the necessity to experience such equivalent "pain/suffering", just based on a Conscious-reflective will to make "Teshuva" by the Individual Human Consciousness, which according to the New "G-d's Physics" Paradigm prevents and omits the need for the Dynamic-Equilibrium Moral Principle's "moral-balancing" of having to experience an equivalent "negative/immoral" situation (of pain/suffering etc.)!

In other words, the "Power of Teshuva" is such that it allows any Individual Human Consciousness to avoid the need for any "moral-balancing" based on the UCR's "Dynamic-Equilibrium Moral Principle" – simply by its conscious decision and "execution" of true-genuine "Teshuva" (as described above and previously) – which in fact impels the UCR to "omit" the otherwise "necessary" "negative-painful" (one of multiple possible future/s") experience – instead bestowing (or "selecting") for this "Teshuva-executed" Individual Human Consciousness an alternative "positive-future" reflecting its "Teshuva-cleansing" of its "past-immoral choice"! In other words, for the first time in Theoretical Physics Models (or previous Scientific Paradigm history), it is made possible for our Individual Human Consciousness "Teshuva" action (or moral choice) to affect both its "past-immoral choice", i.e., "purifying" and "altering" the "past-immoral choice" – and consequently also altering the UCR's selection of the "positive-future corrected" Universal Frame/s (UF's)! So, we see that according to this New "G-d's Physics" Paradigm the past may be "altered" – as well as the selection of the UCR of one "positive" possible future UF, all based on a "true-genuine Teshuva" made by any Individual Human Consciousness! This is reminiscent of the famous Jewish Sage, Philosopher and Doctor, the great Maimonides' declaration that by any good moral act an individual can "tilt the entire world – and himself (or herself)" into a positive state and future! The profound and amazing theoretical ramifications of this new discovery made by "G-d's Physics" is that every Individual Human Consciousness possesses an intrinsic profound power to

become "active-partners" of this singular "Infinite", "All-Goodness" "Universal Consciousness Reality" in uplifting the entire world (and universe) towards the Ultimate UCR's "Perfected-Geula" State in which all Individual Human Consciousness – as well as the entirety of Humanity (and Science) will recognize the sole and singular reality of this UCR, respect and abide by its intrinsic "All-Goodness", "Unity-Harmony-Peace" nature!

Towards that desired and inevitable UCR's Ultimate-Geula Perfected State, attached is the "Urgent Call for Experimental Physicists, Cosmologists, Astronomers and Subatomic Accelerator Physicists to Validate one of the Critical-Predictions of the New G-d's Physics 21<sup>st</sup> Century Paradigm": May Science rise up to fulfilling its sublime purpose to "discover Truth", to lead Humanity to its Ultimate Goal as participants with this singular Universal Consciousness Reality to lead the world and the entire universe towards its Perfected (Moral, Spiritual and even Physical) "Geula" State!

#### APPENDIX: An Urgent Call for Cosmologists, Astronomers & Experimental Physicists to Validate the New "G-d's Physics" 21<sup>st</sup> Century Paradigm's Unique "Critical Predictions"

**Background:** Based on the clear "Paradigmatic-Crisis" of the Old "Material-Causal" Paradigm underlying 20<sup>th</sup> century's Relativity Theory (RT) and Quantum Mechanics (QM) – indicated by the apparent "theoretical inconsistency" between these two "pillars" of the Old Paradigm, and its inability to account for up to 95% of all of the mass and energy in the universe, e.g., assumed to be comprised of "dark-matter" and "dark-energy" but which cannot be detected directly empirically (despite numerous attempts to do so!); and the emergence of the New "G-d's Physics" ("Computational Unified Field Theory", CUFT) Paradigm of 21<sup>st</sup> Century Theoretical Physics as a satisfactory New Paradigm shown capable of resolving this apparent "theoretical inconsistency" between RT & QM, unifying the four basic physical features of "space", "energy", "mass" and "time" based on the discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe at the incredible rate of " $c^2/h$ " =  $1.36^{-50}$  sec' through a novel "Universal Computational Formula":

#### Universal Computational Formula (UCF)

$$\left. \begin{array}{c} c^2 \\ - \\ h \end{array} \right\} \text{UF's } \{\aleph \dots \aleph \dots \aleph\} = \frac{s * e}{t * m}$$

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through "מ" to "ן") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: " $c^2/h$ " =  $1.36^{-50}$  sec'!

Science has reached a "pivotal-point" calling for the urgent and immediate empirical validation of the New "G-d's Physics" (CUFT) Paradigm based on one of two "Critical Predictions" that are unique to this New "G-d's Physics" Paradigm which clearly differentiate it from the corresponding predictions of either RT or QM:

#### "G-d's Physics" Critical Predictions

a) Non-Accelerated Expansion of the Universe at the Jewish "Rosh-Hashana" Time-Interval

According to the New "G-d's Physics" (CUFT) Paradigm, due a specific "Collective Human Consciousness Focus Hypothesis" theoretical postulate, at "special time-intervals" in which there is a "Collective Human Consciousness Focus" upon this singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) – such as at the Jewish "Rosh-Hashana" (two-day) time interval, there exists a "non-continuous" increase in the universe's accelerated rate of expansion! Therefore, the unique "Critical Prediction" of the New "G-d's Physics" (CUFT) Paradigm is that during the next Jewish "Rosh-Hashana" (New Year) two day time-interval taking place between September 7<sup>th</sup> & 8<sup>th</sup> 2021 there will be a significant increase in the universe's observed accelerated rate of expansion – relative to the accelerated rate of expansion of the universe which can be measured prior to September 7<sup>th</sup> & 8<sup>th</sup>, which will continue as the universe's New Increased Accelerated Expansion Rate also after September 7<sup>th</sup> & 8<sup>th</sup>, i.e., for all days of the next Jewish New Year commencing from Sep. 9<sup>th</sup>, 10<sup>th</sup>, etc.! To the extent that this unique Critical Prediction will be validated empirically then this could not be accounted for by the Old "Material-Causal" Paradigm, which predicts a constant accelerated rate of expansion of the physical universe – e.g., unaltered by any "special-time" intervals such as the Jewish "Rosh-Hashana" New Year two-days' time-interval; which would therefore validate the New "G-d's Physics" (CUFT) Paradigm as the New Paradigm for Theoretical Physics for the 21<sup>st</sup> century!

b) Greater Number of "Fine-Temporal Measurements" (FTM) of Relatively More-Massive Particles (Muon) Than Less-Massive Particles (Electron)

A second unique prediction of the New "G-d's Physics" (CUFT) Paradigm regards the greater number of "Fine-

Temporal Measurements" (FTM's) for relatively "more-massive" particles such as the "Muon", than for relatively "less-massive" particles such as the (equivalently negatively charged) "electron" – due to "G-d's Physics" new computational definition of "mass" (e.g., as well as of the other three basic physical features of "time", "space" and "energy") stemming from the singular higher-ordered "Universal Computational Principle's" (UCP) computation of the number of "Object-Consistent" presentations of any given particle (or any other object) across a given series of "Universal-Frames" (UF's)! According to this new UCP's computational definition of "mass", it is expected that relatively "more-massive" particles such as the "Muon" (which is approximately 100 times more massive than the "electron" particle) would be detected at a much greater number of UF's frames than would the electron particle! This means that according to the New "G-d's Physics" Paradigm, in a Subatomic Accelerator's FTM's measurements of a minimal time-interval comparing between the number of times that the "Muon" particle would be detected to the number of times that an "electron" particle would be detected (e.g., after controlling for any quantum "measurements biases" controlling for the measurements of particles with differential mass values)! Once again, to the extent that this unique "Critical Prediction" of the New "G-d's Physics" Paradigm would be validated empirically, then this could not be accounted for by either the corresponding predictions of RT or QM – leading to the unequivocal acceptance of the New "G-d's Physics" Paradigm as the New Paradigm of Physics for the Twenty-first century!

***Due to the "Paradigmatic-Crisis" of 21<sup>st</sup> century Theoretical Physics and to the emergence of the New "G-d's Physics" (CUFT) Paradigm as a satisfactory New Paradigm for 21<sup>st</sup> century Physics, an urgent and immediate call is made for all Experimental Physicists, Cosmologists and Astronomers to test these two "Critical Predictions" – equivalent to Eddington's famous empirical validation of Einstein's Relativity Theory "Critical Prediction" (regarding Mercury's Perihelion's double-valued prediction relative to Newton's prediction), which is therefore of paramount scientific (historical) importance!***

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## G-D'S PHYSICS: ITS "TIME" FOR "GEULA"!

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### ABSTRACT

The "Paradigmatic-Shift" currently taking place in 21<sup>st</sup> century Theoretical Physics from the Old "Material-Causal" Paradigm underlying Relativity Theory (RT) and Quantum Mechanics (QM) to the New "G-d's Physics" (Computational Unified Field Theory) brings about profound changes in Physics basic conception and understanding of the origin- nature and dynamics- of the entire physical universe! This is based on "G-d's Physics" New Paradigm's discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{50}$  (sec)" which produces a series of "Universal Frames" (UF's) comprising the entire physical universe at every minimal time-point. The discovery of New "G-d's Physics" New Paradigm brings about a revision and challenging of some of the basic assumptions underlying 20<sup>th</sup> Century Physics and Science (more generally), including: The "Big-Bang" Model, Einstein's Equations, QM's assumed "collapse" of the subatomic target's "probability wave-function" as "caused" by its direct physical interaction with a corresponding "probe" element etc. Significantly, it also resolves the apparent "theoretical-inconsistency" between RT & QM and unifies between the Four basic Forces as well as between the four basic physical features of "space" and "energy", "mass" and "time" based on its discovery of a new "Universal Computational Formula"! Surprisingly, the New "G-d's Physics" A-Causal Computation Paradigm indicates that the evolution- sustenance and evolution of the entire physical universe as well as of all Biological forms is driven solely by this singular higher-ordered Universal Consciousness Principle's (UCP) "Ultimate-Goal" of a "Perfected": Physical, Moral and Spiritual State of Humanity, called: "Geula" in Jewish Tradition – in which the singularity of this UCP will be recognized as the basis for the physical universe's existence and its intrinsic characteristics of Unity, "Dynamic-Equilibrium Moral Principle", "All-Goodness", Peace and Harmony will be realized by Humanity (and Science)!

### 1. Science's Sole "Mandate": Discovery of Truth!

The development of Science represents a relatively "new" phenomenon along Humanity's pursuit- or inquiry- to discover "Truth", e.g., dated perhaps to Descartes famous "Philosophical Inquiries", roughly 250 years ago! Interestingly, Descartes, considered by many is the "Father" of the "Scientific Method" – was primarily preoccupied with discovering "Truth" through philosophical-introspective inquiries. Indeed, Humanity's quest to find "Truth" begun through Religious and Philosophical Schools of Thought – only relatively recently leading to the rapid evolution of Science as an effective "objective" means to unravelling deeper facets of the "physical reality"... It is likely that the great advantage and strength of Science – over "Philosophy", e.g., as far as the "objective" inquiry into the nature of the "physical reality" – stems from its insistence upon quantifiable empirical data, which can be verified (and replicated) "objectively", i.e., by different observers (regardless of their language, origin, or "personal beliefs"); And that this "objective-empirical" data is

accompanied and based upon "logical-inferences" aimed at deriving the most logical and feasible theoretical Model or explanation for any given set of empirically observed phenomena (or data); This "objectivity" and "rational-basis" of all Scientific investigation represents Science's greatest "strength" – e.g., as far as unravelling the underlying "Truth" or "reality" underlying our "physical universe"... It circumvents any personal or even "collective" – "biases" (or "preconceived ideas") by placing a very simple two-fold criteria for the judgement of any given Scientific Model or Paradigm (e.g., guiding Science at a particular point in time):

- Can a given "Standard Scientific Paradigm" explain a given set of known empirical phenomena (in a satisfactory "logical" manner)?
- This "Standard Scientific Paradigm" (e.g., accepted within a given Scientific discipline at a certain point in time) "consistent" logically (e.g., does not possess any "intrinsic logical or theoretical inconsistencies")? Indeed, the great Philosopher of Science, Thomas Kuhn (1962) postulated that

whenever any given Scientific discipline reaches a point (in time) in which the answer to these two critical criteria for a satisfactory "Standard Scientific Paradigm" are *negative* – then this calls for a "Paradigmatic-Shift" towards a "New Scientific Paradigm" which can satisfy a third criteria (in addition to satisfying the first above mentioned two criteria for any satisfactory Scientific Paradigm):

- The "New Scientific Paradigm" has to be able to explain all of the known empirical phenomena in the field, explain any existing "theoretical inconsistencies" (in the "Old Standard Paradigm") (e.g., criteria a & b); and in addition, this "New Paradigm" needs to predict certain new unique "Critical Prediction/s" that cannot be accounted for by the "Old Paradigm"!

A very good example for Kuhn's rigorous analysis of the "Structure of Scientific Revolutions" (1962) was Einstein's revolutionizing of 19<sup>th</sup> Century "Newtonian Classical Mechanics" (and Maxwellian Theory): His "New Relativity Theory Paradigm" was able to resolve any apparent "theoretical inconsistencies" that seemed to exist between "Newtonian Classical Mechanics" and "Maxwellian Electromagnetic Theory", it replicated all known empirical phenomena – and it also identified a unique "Critical-Prediction" that differentiated it from the corresponding prediction of Newton's Classical Mechanics, e.g., regarding the much higher value of Mercury's Perihelion's curvature around the Sun (due to its curvature of "Space-Time")! Indeed, immediately upon Eddington's (well-known) empirical verification of Einstein's New "Relativity Theory" Paradigm's "Critical-Prediction", Einstein's "New Relativity Paradigm" was accepted as the New appropriate Paradigm for 20<sup>th</sup> Century Theoretical Physics (later on joined by the discovery of subatomic Quantum Mechanics).

We now stand at an equivalent "historic-juncture" along the upward evolution of Science – i.e., at a clear point in which the two primary "pillars" of 20<sup>th</sup> Century Physics' Old "Material-Causal" Paradigm, (i.e., Relativity Theory and Quantum Mechanics) seem to "contradict" each other, and in which this Old "Material-Causal" Paradigm cannot explain where up to 95% of all the "matter" and "energy" in the universe exist! (Termed: "dark-matter" and "dark-energy" and assumed to account for the accelerated expansion of the universe – but which cannot be directly detected or measured experimentally, despite numerous attempts to do so...) True, Thomas Kuhn identified the natural "human-resistance" to "change"- or "alter"- the "Old Paradigm" in favor of a New (unknown) Paradigm, which characterizes these "trying times" of a new "Paradigmatic-Shift"... But, nevertheless, since Science's sole "mandate" and "advantage" over mere "philosophical inquiries" is its strict insistence upon satisfying the two-fold (abovementioned) basic criteria for the acceptance of any Scientific Paradigm, the current "Paradigmatic-Crisis" of 20<sup>th</sup> century Theoretical Physics cannot continue to exist as the state of affairs of 21<sup>st</sup>

Century Physics – calling for an urgent and immediate "Paradigmatic-Shift" towards the New "Computational Unified Field Theory" (CUFT, lately termed as: "G-d's Physics") as the New satisfactory Paradigm for 21<sup>st</sup> Century Physics – e.g., provided that its unique "Critical Prediction/s" are validated empirically! Needless to say, that if a "negative" situation arises in which, Science "refuses" or "obstructs" the discovery, empirical validation and ultimate "acceptance" of such a "New Paradigm" (such as the New "G-d's Physics" tentative Paradigm for 21<sup>st</sup> Century Theoretical Physics) – e.g., due to its own "biases", "political-reasons" or any other reason/s; then the sole "mandate" given to Science (by Humanity) to investigate- and advance- (ever closer) to discovering "Truth", shall be removed from Science to any other "vehicle/s of Knowledge" – such as "Religion" and "Philosophy", so that Humanity may reach its "ultimate Goal" of "knowing Truth"!

## 2. The New "G-d's Physics" (CUFT) Paradigm of 21<sup>st</sup> Century Physics!

Perhaps, the best "starting-point" to briefly describe "G-d's Physics" New 21<sup>st</sup> Century Paradigm is to outline the basic "Material-Causal" assumption underlying the Old "Material-Causal" Paradigm of 20<sup>th</sup> Century's Relativity Theory (RT) and Quantum Mechanics" (QM): Succinctly stated, this basic "Material-Causal" assumption states that the nature, dynamics (or even origin) of any "macroscopic-relativistic" or "microscopic-quantum" phenomenon – strictly based on studying its constituting element's direct (or indirect) physical interactions: Thus, for instance, General Relativity Theory posits that it is the presence of certain "massive-objects" that "causes" the "curvature" of "Space-Time", and that this "curved Space-Time" also determines (or "causes") the "travelling-pathways" of these "massive" (and other "less-massive") objects, thereby de facto determining the continuous accelerated expansion of the physical universe, e.g., as portrayed by Einstein's famous Equations; Similarly, Quantum Mechanics posits that it is the direct physical interaction/s between a given subatomic "probe" element and a corresponding subatomic "target's probability wave-function" that "causes" the "collapse" of this "probability wave-function" into a singular "complimentary" ("energy-space", or "time-mass") value/s! But, once again, since it was shown (previously) that this Old "Material-Causal" 20<sup>th</sup> Century Paradigm of RT & QM has reached a state of a "Paradigmatic-Crisis" which calls for an immediate "Paradigmatic-Shift", therefore, the discovery of the New "G-d's Physics" Paradigm negated this basic "Material-Causal" Assumption, i.e., based on its discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe for each consecutive "Universal Frame" (e.g., at the incredible rate of " $c^2/h = 1.36^{50}$  sec")!

This is because a key assumption of the New "G-d's Physics" (CUFT) Paradigm is that since this singular

(higher-ordered) UCP simultaneously computes all exhaustive spatial pixels comprising the entire physical universe (for each consecutive UF's frame/s), therefore there cannot (in principle) exist any direct (or even indirect) "material-causal" physical relationship/s between any two (or more) exhaustive spatial pixels existing either in the same- or other- UF's frame/s (comprising the entire physical universe at any minimal time-point)! Moreover, since according to this New "G-d's Physics" Paradigm, the entire physical universe "dissolves" "in-between" any two consecutive UF's frames back into the singularity of the UCP, therefore there cannot be any "transference" of any physical "effect" or "interaction" across any two consecutive UF's frames – therefore (once again) there cannot exist any direct or indirect physical interaction between any two (or more) exhaustive spatial pixels existing across different UF's frames! Indeed, this New "G-d's Physics" Paradigm has also been termed: an "A-Causal Computation" Paradigm, since it negates the very possibility of the existence of any physical interaction/s – either at the relativistic or quantum levels. Instead, the New "G-d's Physics" Paradigm postulates that this singular (higher-ordered) UCP possesses three "Computational-Dimensions", e.g., "Framework" ('frame' vs. 'object'), "Consistency" ('consistent' vs. 'inconsistent') and "Locus" ('global' vs. 'local') – two, out of which (Framework and Consistency) produce the four basic physical features of 'space' and 'energy', 'mass' and 'time'; Essentially it is postulated that the UCP's simultaneous computation of each exhaustive spatial pixel in the universe – for "object" – 'consistent' vs. 'inconsistent' computational measures yields their individual "mass" and "time" values; whereas the UCP simultaneous computation of each exhaustive spatial pixel's "frame" – 'consistent' vs. 'inconsistent' computational measures produces their "space" and "energy" physical features (correspondingly).. In fact, for the first time in Physics history's theoretical conception of the physical reality, the New "G-d's Physics" Paradigm completely unified between these four basic physical features of "space" and "energy", "mass" and "time" as "integral-complimentary" secondary computational features of the UCP's singular simultaneous computation of each of the universe's comprising exhaustive spatial pixels – i.e., based on its discovery of a singular "Universal Computational Formula" (UCF) which describes the UCP's extremely rapid computation of each consecutive UF's frame/s exhaustive spatial pixels!

**Universal Computational Formula (UCF)**

$$\left. \begin{matrix} c^2 \\ - \\ h \end{matrix} \right\} = \frac{s * e}{t * m}$$

UF's {n...n...x}

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through "מ " to "ן") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec'!

Interestingly, this new UCF – not only completely unifies between these four basic physical features (of "space", "energy", "mass" and "time"), but also resolves the apparent fundamental "theoretical inconsistency" that seem to exist between RT & QM, by integrating their key properties as secondary integral components of this singular (higher-ordered) UCF! Thus, for instance, RT's "Energy-Mass Equivalence" ("E = Mc<sup>2</sup>") is embedded within the UCF's "Relativistic Format", e.g., as a "special limiting case" (which necessitates further empirical and theoretical investigation):

Likewise, the key Quantum Heisenberg's "Uncertainty Principle's" "complimentary-pairs" simultaneous measurement constraint (e.g., of "space" and "energy", or "time" and "mass" simultaneous subatomic measurement constraint set by Planck's constant) – have been (surprisingly) found to constitute "special-cases" embedded within the UCF's "Quantum Format":

Therefore, the new singular higher-ordered theoretical framework of the UCP's Universal Computational Formula completely integrates the four basic physical features of "space" and "energy", "mass" and "time", as well as the fundamental components of both RT & QM as integral elements of this singular UCP's extremely rapid, simultaneous computation of all exhaustive spatial pixels in the universe, e.g., for each consecutive UF's frame!.

But, as significant as this new realization of the New 21<sup>st</sup> Century "G-d's Physics" Paradigm may be – e.g., fully integrating those four basic physical features of "space" and "energy", "mass" and "time" (for the first time in Physics' history!) and satisfactorily rectifying the two primary "pillars" of the Old "Material-Causal" (20<sup>th</sup> Century Physics), namely: RT & QM; Perhaps even more profound are some of the additional "Theoretical Postulates" of this New "G-d's Physics" Paradigm including: its "Computational Invariance Principle" and "Universal Consciousness Reality" postulates: In a nutshell, these profound additional theoretical postulates assert that since only the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) may be considered as "computationally-invariant", e.g., remains constant and continuous both "during" its sole computation of each exhaustive spatial

pixel's four basic above mentioned physical features, as well as solely exists "in-between" any two consecutive UF's frames (e.g., without the presence of any physical universe – which "dissolves" back into the singularity of the UCP); whereas the entire physical universe (and every exhaustive spatial pixel comprising it) may only be deemed as "computationally-variant", e.g., existing only "during" each consecutive UF's frame/s (as solely computed by the UCP) but "dissolving" back into the singularity of the UCP "in-between" any two consecutive UF's frames; therefore, the "Computational-Invariance Principle" postulates that only this singular ('computationally-invariant') UCP may be regarded as "real" – i.e., continuously existing as the basis for all exhaustive spatial pixels of the universe while transcending it altogether when existing solely "in-between" any two consecutive UF's frames, whereas the four basic physical features of "space" and "energy", "mass" and "time" (as well as the whole physical universe they comprise at each of its exhaustive spatial pixels) may only be regarded as a "transient", "phenomenal" manifestation of this singular "Universal Consciousness Reality"! Indeed, closely related to this "Computational Invariance Principle" postulate is the "Universal Consciousness Reality" theoretical postulate which points out that since only this singular UCP exists "uninterruptedly" and "continuously" – both "during" its computation of each exhaustive spatial pixel in the universe for each consecutive UF's frame/s, and also "in-between" any two consecutive UF's frames in which it solely exists (without the presence of any accompanying physical universe), therefore there only truly exists this one singular "Universal Consciousness Reality" (UCP) – which manifests as the physical universe "during" each consecutive UF's frame/s and remains without the presence of the physical universe "in-between" any two consecutive UF's frames!.

Indeed, these profound "Computational-Invariance" and "Universal Consciousness Reality" theoretical postulates have also led to the discovery of a series of additional postulates that completely alter Science's basic understanding of the "physical reality" – and what transcends and embeds this (merely) "physical" reality within it which is a detailed characterization of this singular higher-ordered "Universal Consciousness Reality" (UCR): Thus, for instance, the UCR's intrinsic "characterization" revealed that it contains a higher-ordered "Supra Spatial-Temporal Reservoir" containing all "past", "present" and multiple possible "future/s" UF's frames – which are based on the "Moral-Choice/s" that each Individual Human Consciousness (e.g., person) makes at any point in time... This is due to this UCR's intrinsic "propensity" to strive towards "balancing" any "Immoral-Imbalances" (or "injustices") due to its "unitary" nature- and composition- of all such "Individual Human Consciousness" as "integral-parts" of its singular existence! Indeed, the "Trampoline-Metaphor" has been utilized which demonstrates and explicates this "singular-unitary" nature- and tendency-

of this singular higher-ordered "Universal Consciousness Reality" (UCR) to "balance" any "Moral-Imbalance" "disturbing" the "unitary-nature" of this singular UCR, e.g., by creating a series of UF's in which the "inflicting-pain/suffering" Individual Consciousness (which is likened to a given point along the Trampoline sheath which pushes an "Iron-Bar" against another given point representing another "suffering" Individual Consciousness – then this will inevitably "cause" a "reaction" in which this "Iron-Bar" would have to retract and "inflict-pain/suffering" upon that Individual Consciousness which initially inflicted pain/suffering upon the other Individual Consciousness, thereby "correcting" this "Immoral-Imbalance")... Hence, according to this New "G-d's Physics" Paradigm, the whole progression and evolution of the UCR's singular production of the entire physical universe – is driven by the UCR's "intrinsic-properties" which includes this basic "Dynamic-Equilibrium" Moral Principle, as well as a few other basic propensities – previously delineated termed: the UCR's Ten Laws of Hierarchical Manifestation"; These include such basic intrinsic properties as its inherent "Good-Will", "Free-Will" and ultimate driving force towards a "Perfected State" (Morally, Physically and Spiritually) of the world and universe in which all Human Beings would recognize their inseparability from this singular higher-ordered (all embracing) UCR and function accordingly (as will be further elaborated upon in the last segment of this article).

### 3. Theoretical Ramifications of the New "G-d's Physics" 21<sup>st</sup> Century Paradigm

Indeed, the discovery of this New "G-d's Physics" Paradigm for 21<sup>st</sup> Century Theoretical Physics brings about a profound change in our basic understanding of the origin- nature- evolution- and ultimate "Goal" of the UCR's singular higher-ordered reality: No longer is the universe assumed to originate in an initial "random" nuclear event, since there cannot have occurred such a nuclear explosion that would entail a direct physical interaction between two or more exhaustive spatial pixels in an assumed "first" 'Universal Frame' – which "caused" the creation of certain powerful physical effects (between multitude exhaustive spatial pixels) across the "Second", "third", fourth" etc. UF's frames (such as the creation of suns, galaxies, space, energy, etc. This is because as mentioned above (and previously), according to the New "G-d's Physics" Paradigm, there cannot exist any such direct or even indirect "material-causal" physical interactions between any (two or more) exhaustive-spatial pixels existing either in the same- or different UF's frames, e.g., due to the "simultaneity" of the singular higher-ordered UCR's computation of all exhaustive spatial pixels in any given UF's frame/s, and the complete "dissolution" of the entire physical universe "in-between" any two such consecutive UF's frames! Therefore, there cannot exist any "transference" of any physical effect or direct physical interaction/s also across any series of UF's frames, thereby negating the basic

"Big-Bang" Model! Similarly, this New "G-d's Physics" Paradigm also negates (in principle) "Einstein's Equations" fundamental "Material-Causal" assumption, wherein it is assumed that it is the presence of certain "massive objects" that "cause" the curvature of "Space-Time", and that it is this "curved Space-Time" that determines (or "causes") the "travelling pathways" of these "massive objects" (and other "non-massive" objects)! This is, once again, due to "G-d's Physics" negation of the very possibility of the existence of any direct or even indirect "material-causal" physical interactions between any two (or more) exhaustive spatial pixels in the universe (existing wither in the same- or different- UF's frame/s due to the simultaneous UCR's computation of all exhaustive spatial pixels in the universe for every consecutive UF's frame/s (and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frames). Because the UCR simultaneously computes all such exhaustive spatial pixels comprising the entire physical universe (for each consecutive UF's frame/s), therefore there cannot exist Einstein's Equations' assumed "material-causal" (direct or indirect) physical interactions between certain "massive objects" "causing" the "curvature" of Space-Time, nor the possibility of such "curved Space-Time" determining the "travelling-pathways" of any given "massive/non-massive" objects in the universe!.

Instead, the New "G-d's Physics" Paradigm postulates that the evolution of the universe is solely governed by the UCR's singular (above mentioned) "Ten Laws of Hierarchical Manifestation" – which are not "constrained" or "directed" by any such "material-causal" physical interactions (laws, or effects)! Another "Cinematic-Film Metaphor" has been illustrated which demonstrates the possibility of a scenario in which apparently "cause and effect" "material-causal" interaction/s depicted within a given Cinematic Film progression are seen to arise from the ("higher-ordered") perspective of the "Film's Director"! In order to best explain this "G-d's Physics" New Paradigm's "Cinematic-Film" Metaphor explication of apparently "material-causal" effects or interactions, lets first review the basic depiction of this Cinematic-Film Metaphor's explanation of the manner in which the singular higher-ordered UCR computes the (above mentioned) four basic physical features of "space" and "energy", "mass" and "time": Imagine an extremely fat "jet-plane" "zooming" through the screen in a particular Film; if we were to ask the simple question: "does this jet-plane" possess any intrinsic "energy" or "velocity"? despite the appearance of such "high-velocity" depicted by this "supersonic jet's" depiction across a given series of Cinematic-Film Frames – upon further examination of this jet's positioning across a series of Cinematic Film Frames, it will be discovered that there truly does not exist any "velocity" or "energy" value to this (supersonic) "jet-plane"! This is because the appearance of such "energy" or "velocity" associated with this jet-plane simply arises from the computation of the degree of its displacement

across a series of "film-frames"... Likewise, the apparent "space" value (e.g., "spatial-dimensions") of any given object in the film can be computed as the number of "consistent" spatial pixels comprising that object across a given series of film-frames; Similarly, Similarly, the "mass" value of any given "object" (appearing in the film) may be computed as the number of times that any such given object is being presented "consistently" (e.g., in terms of its "internal composition") across a series of film-frames (for instance, in such a manner that it's perceived "density" or "hue" is computed as a function of the number of consecutive frames in which that object appears "consistently"! Finally, we can compute any given object's "temporal" value as a computation of the number of "changes" (e.g., inconsistent presentations) of that object's "internal-composition" across a given series of film-frames (e.g., "spatial-dimensions")... Note that this "Cinematic-Film Metaphor" coincides (almost perfectly) with the above (and previously) mentioned "dynamics" of the UCR's (or UCP's) computation of the four basic physical features of "space" and "energy", "mass" and "time" as being computed based on two of the UCP's "Computational Dimensions" of "Framework" (frame/object) and "Consistency" (consistent /inconsistent) which produces these four basic apparently "physical" features!.

Indeed, the manner in which this New "G-d's Physics" (CUFT) Paradigm is capable of offering an alternative new theoretical explanation for Relativity's (and QM's) apparently "material-causal" physical relationships – was also demonstrated utilizing another aspect of this "Cinematic-Film Metaphor": imagine a film depicting a given "Mercury-Ball" hitting a "Glass-Jar" filled with water – "causing" those water to be "spilled" on the floor... Apparently, it seems as if it is the "impact" of the "Mercury-Ball" upon the "Glass-Jar" which "causes" its waters to be spilled across the floor; But, upon further reflection, we find out that at none of this "film's scenario's" comprising film-frames can there exist any direct or indirect "physical interaction" between the "Mercury-Ball" and the "Glass-Jar" ("filled with water")! This is simply because at each of these ensuing (individual) film-frames, both the "Mercury-Ball" and the "Glass-Jar" are being presented "simultaneously" as comprising integral parts of the same frame! This means that at none of these "film-frames" can there exist any direct (or even indirect) physical interaction/s between these "Mercury-Ball" and "Glass-Jar" elements! All that really exist is their depiction at ever closer "spatial-proximity" until their "conjoining", e.g., being presented adjacent to each other, then followed by film frame/s depicting the "spillage" of the water on the floor... This gives us (the viewers of the film) the "impression" as if it was the "impact" of the "Mercury-Ball" upon the "Glass-Jar" which "caused" the "spillage" of the water on the floor... So, through this secondary aspect of the "Cinematic-Film Metaphor" we can understand that despite the appearance of an apparent "cause" and "effect" physical interaction/s between two given objects

being depicted across a series of 'film-frames', truly this arises only from the "Film's-Director's" arrangement of the series of film-frames depicting ever closer proximity between these two given ("Mercury-Ball" and "Glass-Jar") in ever closer "spatial-proximity" "leading up" to the presentation of a "broken Jar" and "spilled-water"... Hence, this "Cinematic-Film Metaphor" was utilized in order to illustrate that what is regarded by Relativity's "Einstein's Equations" to represent a basic "Material-Causal" physical relationship/s between certain "massive-object/s" and their "curvature" of "Space-Time" (and conversely, assuming that it is this "curved Space-Time" which "causes" or "determines" these "massive" and other "less-massive" objects' "travelling-pathways"; may in fact, be the result of the singular higher-ordered UCR's (or UCP's) "simultaneous" computation of a series of Universal Frames" (UF's) depicting certain apparent physical relationships between the presentation of "massive" and "less-massive" objects – which arises from the UCR's (UCP's) complete integration of the four basic physical features of "space" and "energy", "mass" and "time" as secondary computational properties of the UCP's simultaneous computation of each exhaustive spatial pixel in the universe across a series of consecutive UF's frames (as indicated above and previously)!.

In much the same manner, this New 21<sup>st</sup> Century "G-d's Physics" Paradigm also was shown to challenge- negate- embed- and transcend- Quantum Mechanics (QM's) fundamental "Material-Causal" assumption wherein it is assumed that it is the direct physical interaction between the subatomic "probe" and corresponding "target's probability wave function" that "causes" the "collapse" of the target's "probability wave function" into a single "complimentary" ("space/energy" or "mass/time") value... Once again, due to the New "G-d's Physics" Paradigm's insistence upon the "simultaneity" of the UCP's (UCR's) computation of all exhaustive spatial pixels in the universe (for each consecutive UF's frame/s), therefore it negates the very possibility of the existence of any such direct physical interaction between the subatomic "probe" and "target's (assumed) probability wave function" – nor the possibility of its "collapse" into a single (complimentary) "space/energy" or "mass/time" value (as "caused" by such "impossible" direct physical interaction)! Instead, the New "G-d's Physics" Paradigm posits that this singular higher-ordered UCP/UCR simultaneously computes all "single spatial-temporal" ("particle"), "multiple spatial-temporal" ("wave") and "exhaustive" (e.g., all exhaustive spatial pixels comprising the entire Universal Frame for any consecutive frame)! This higher-ordered "exhaustive" theoretical framework of the New "G-d's Physics Paradigm" was indeed shown to completely integrate QM and RT as integral elements found within the UCP's singular "Universal Computational Formula" (UCF) and also resolve their apparent "theoretical inconsistency".

What's important to note is that this New "G-d's Physics" Paradigm completely alters and transcends the Old "Material-Causal" Paradigms basic assumption wherein the explanation of any "macroscopic" (relativistic) or "microscopic" (quantum) phenomenon, law or relationship can be simply explained based on such a phenomenon's "fragmentation" into smaller constituting elements or direct physical interactions which supposedly "explain" that phenomenon; i.e., such as in the case of the abovementioned "Einstein's Equations" assumed explanation of the dynamics of the universe's evolution based on the direct physical interaction/s between certain given "massive-objects" and their "curvature" of "Space-Time", or QM's assumed explanation of any subatomic target's measured (complimentary) "space-energy" or "mass-time" ("collapsed") value as a result of its direct physical interaction/s with the corresponding subatomic "probe" element. But, as we've already seen, based on the New "G-d's Physics" Paradigm's insistence that any such direct (or even indirect) physical interactions are made "impossible" due to the "simultaneity" of the UCP's/UCR's computation of each exhaustive spatial pixel/s in the universe (for each consecutive UF's frame/s, and the complete "dissolution" of all such exhaustive spatial pixels back into the singularity of the UCR), therefore the New "G-d's Physics" Paradigm points at the singularity of this UCR – and its intrinsic "propensities" represented by its "Ten Laws of Hierarchical Manifestation" which govern and determine the entire physical origination- sustenance- and evolution! Thus, for instance, it was shown that instead of the "randomly" assumed "Big-Bang" nuclear event which is assumed to have created all of the suns, galaxies, planets, space, energy etc. the entire physical universe is being continuously created- "dissolved" re-created- and evolved- (at an unfathomable rate of  $c^2/h = 1.36^{-50}$  sec') based on its intrinsic tendency towards manifesting an ever more "conscious" forms of Physical and Biological composition" i.e., from inanimate to animate: plants, animals and ultimately Human-Beings as part of the UCR's ultimate "Goal" of a "Perfectured" Physical, Moral and Spiritual World and Universe – i.e., "termed : "Geula" in the Jewish Tradition" (thereby also negating replacing Darwin's "Natural Selection Principle" with "G-d's Physics" purposefully directed manifestation of ever more conscious Physical and Biological forms leading up to Human-Being's Individual Human Consciousness and ultimately to its manifestation of the Perfectured "Geula" State, as will also be delineated further below).

#### 4. Is Science Still Fulfilling its "Mandate" for Discovering "Truth"?!

As discussed above (and previously), the sole "mandate" given to Science (by Humanity) is to discover "Truth" – i.e., initially conceived as pertaining to the discovery of the "physical reality" and "physical universe"! The basic (powerful) "Scientific Method" – which seemed to "favor" the "Scientific Investigation" over (for instance)

"Philosophical Inquiry" stems from the "Scientific Methodology" of basing its investigation upon the collection of "objective", "replicable" "empirical data" – accompanied by rigorous "logical reasoning", "modeling" and establishing of acceptable "Scientific Paradigm/s" which conforms to Kuhn's (abovementioned finely described) "criteria" for a valid Scientific Paradigm! This means that whenever Science reaches an apparent "dead-end" in terms of its acceptable "Standard Scientific Paradigm" – due to the appearance of basic "theoretical-inconsistencies" found between its basic "pillars" (e.g., such as between 20<sup>th</sup> Century's RT & QM!) and its principle inability to explain a series of given empirical phenomena (i.e., such as the currently assumed "dark-matter" and "dark-energy" purely hypothetical concepts which are postulated to account for up to 95% of all the "mass" and "energy" in the universe – but yet cannot be directly measured or verified despite numerous attempts to do so!); this points at a "Paradigmatic-Crisis" calling for an immediate "Paradigmatic-Shift" from the "Old Standard Paradigm" toward a "New Paradigm" that can resolve those apparent "theoretical inconsistencies" (between the "pillars" of the Old Paradigm), replicate all known physical phenomena, laws etc., and also predict new "Critical Prediction/s" which differentiate it from the predictions of "Old Standard Paradigm" – which need to be validated empirically!

Well, it is clear that the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics satisfies all of these "stringent" criteria (based on Kuhn's well-established and acceptable analysis of the "Structure of Scientific Revolutions", 1962) – having been shown capable of resolving the apparent "theoretical inconsistencies" between RT & QM, replicating all of their major phenomena and laws, embedding- and transcending- key Relativistic and Quantum laws and relationships within its singular higher ordered "Universal Computational Formula" etc. The only "final" element necessary to justify the acceptance of this New 21<sup>st</sup> Century "G-ds Physics" Paradigm – is the empirical validation of one of its multiple "Critical Predictions" (which differentiate it from the corresponding predictions of either RT or QM!).

**a) The "Non-Continuous Accelerated Expansion Rate" of the Universe at the Jewish "Rosh-Hashana" (New Year) Time Interval!**

As outlined and delineated (extensively) previously, one of the unique "Critical-Predictions" of the New "G-d's Physics" Paradigm is its prediction that due to its postulated "Collective Human Consciousness Focus Hypothesis" (CHCFH) which hypothesizes that at any time-interval in which there exists an intense "Collective Human Consciousness Focus" upon the singularity of the higher-ordered Universal Consciousness Reality (UCR or UCP), e.g., through prayers etc., then this can produce an effect manifesting as a significant increase in the UCR's "accelerated expansion rate" of the universe; In fact, this unique "Critical Prediction" of the New "G-d's

Physics" Paradigm offers an alternative explanation for the Old Paradigm's (purely hypothetical abovementioned) theoretical concepts of "dark-matter" and "dark-energy" which cannot be verified empirically but yet are assumed to be responsible for the empirically observed accelerated expansion rate of the universe! This is because instead of those "superfluous" (i.e., "non-existent!") "dark-matter" and "dark-energy" purely hypothetical concepts which were assumed to explain the accelerated rate of expansion of the universe; the New "G-d's Physics" account of this empirically observed accelerated expansion of the universe stems from the singular higher-ordered UCP's/UCR's accelerated increase in the number of additional exhaustive spatial pixels comprising each consecutive UF's frame! Specifically, to the extent that Cosmologist, Astronomers etc. accurately measure and validate this unique "Critical Prediction" of "G-d's Physics" New Paradigm indicating that at the special (two days) time interval of the Jewish New Year ("Rosh-Hashana" – i.e., this year it occurred on the 19<sup>th</sup> and 20<sup>th</sup> of October (2020) indicating that indeed the accelerated rate of the universe's expansion has increased "non-continuously" "during" these two days of the Jewish "Rosh-Hashana" (at which time Millions of Jews all around the World have prayed and focused solely upon this singular higher-ordered "Universal Consciousness Reality", i.e., "G-d"!)) then this would inevitably prove that the New "G-d's Physics" Paradigm must be accepted as the New Paradigm for 21<sup>st</sup> Century Physics! *It is quite disappointing (and indeed "surprising") that despite numerous "Urgent Calls" for all Astronomers, Cosmologists and Empirical Physicists to empirically validate this unique "Critical Prediction" of this New "G-d's Physics" Paradigm during each year's Jewish "Rosh-Hashana" special time-interval – now, already for three consecutive years!?! No such empirical validation has taken place!??*

**b) Greater Number of "Fine-Temporal Measurements" (FTM) for "More-Massive" Particle/s Than "Less-Massive" Particles!**

Another unique "Critical-Prediction" of the New "G-d's Physics" Paradigm regards the greater number of "Fine-Temporal Measurements" (FTM) (e.g., minimal time-point Subatomic Accelerators sampling measurement of the incredibly rapid rate of the UCP's (" $c^2/h$ " =  $1.36^{50}$  sec') computation of the series of UF's frames) – of relatively "more massive" particles (such as the "Muon") then "less-massive" particles (such as the "electron") across a given FTM time interval! This is due to the New "G-d's Physics" Paradigm's UCP's computational definition of the "mass" value of any given particle as the number of "object-consistent" presentations of that particle across a given series of UF's frames; Consequently, any Subatomic Accelerator's FTM's "sampling" of a certain number of UF's should result in a much greater number of FTM measurements in which a relatively "more massive" (for instance "Muon") particle should be measured, relative to the number of FTM measurements of a relatively "less-massive" particle

(such as the "electron") across the same FTM time-interval measured... *Once again multiple official public requests and calls for Empirical Physicists to carry out (and validate) this unique "Critical Prediction" have been delivered – but to no avail!??*

So, we find ourselves in an "impossible situation" for Science (in general): one the one hand, Science received a "mandate" to investigate- and discover- "Truth" – solely contingent upon its reliance upon the firm foundations of "objective gathering of empirical data" and its "stringent" analysis based on logical reasoning to arrive at a certain "Standard Scientific Paradigm" which can best explain all of this gathered empirical data, facts and phenomena) – e.g., as described by Kuhn's fine analysis of the evolution of any Scientific Discipline; and on the other hand, it seems that Science (or rather "scientists") are "resisting" to acknowledge the current appearance of Kuhn's clear definition of a "Paradigmatic-Crisis" in 20<sup>th</sup> Century Physics Old "Material-Causal" Paradigm and its ensuing (inevitable) necessary "Paradigmatic-Shift" into a satisfactory New ("G-d's Physics") Paradigm for 21<sup>st</sup> – including their ("obstinate") "unwillingness" to empirically validate the unique "Critical Predictions" of this New "G-d's Physics" Paradigm! True, Kuhn himself acknowledged that this special "Paradigmatic-Shift" phase is characterized (and often accompanied) by some "conflicts" and "difficulties" (e.g., because "scientists" are, after all, simply "human-beings" who are often reluctant to "let go" of their old ideas and assumptions etc. and embrace new "broader" ideas and understandings) – but still, they must realize that the only "mandate" given to Science (by Humanity) to discover "Truth" – is based on their unwavering "commitment" to investigating the true nature of the "physical reality" and "physical universe" – based on those fundamental stringent criteria that Kuhn identified (and Descartes was probably their first proponent), namely: "objective" data and its "logical reasoning interpretation and construction of certain "Standard Paradigm/s" – which have to "give-way" to "New Paradigm/s" capable of resolving any "theoretical inconsistencies" found within any "Old-Standard Paradigm", explaining "unexplained phenomena" (according to the "Old Paradigm/s") – and especially, empirical validation of any unique "Critical Prediction/s" of any "New Paradigm", which differentiate it from the corresponding prediction/s of the "Old Paradigm"!

Therefore, the current "impossible predicament" of Science must change immediately: Physics – and specifically Cosmologists, astronomers and Experimental Physicists must rush and validate the New 21<sup>st</sup> Century "G-d's Physics" Paradigm's "Critical Prediction/s" (as mentioned above and extensively previously); or else, it is likely that the special "mandate" given to Science (by Humanity) to investigate and discover "Truth" – would "pass" onto other "forms" of advanced Human Investigation/s and Knowledge, "demanded" by Humanity's incessant "quest" to discover "Truth"!!

## 5. Fulfilling Science's & Humanity's "Goal": "Geula Time"!!?

Indeed, the discovery of this profound New "G-d's Physics" 21<sup>st</sup> Century Paradigm points at the existence of a new higher-ordered "Universal Consciousness Reality" (UCR) which solely produces the entire physical universe (at the incredible rate of " $c^2/h$ " =  $1.36 \cdot 10^{50}$  sec) as an extremely rapid succession of "Universal Frames" (UF's) comprising all exhaustive spatial pixels in the universe (for each such minimal time-point) – with the entire physical universe "dissolving" "in-between" any two successive UF's frames! This profound new discovery of the New "G-d's Physics" Paradigm, alongside the (abovementioned) "Computational Invariance Principle" and associated "Universal Consciousness Reality" (UCR) brought about a new (and profound) realization wherein the existence of the entire physical universe (and all of its constituting exhaustive spatial pixels) may only be regarded as representing a "transient", "phenomenal" manifestation of the singular "computationally-invariant" reality of the UCR – which exists "consistently" and "uniformly" both "during" its (simultaneous) computation of all exhaustive spatial pixels comprising each consecutive UF's frame, and also (solely) exists "in-between" any two consecutive UF's frames! Therefore, "G-d's Physics" New Paradigm's profound realization that the physical universe does not exist as a "solid" "consistent" reality – but rather as a "transient", "phenomenal" "manifestation" of the singular higher-ordered "Universal Consciousness Reality" (UCR); and in fact, that the entire physical universe is being continuously "computed", "dissolved"- re-computed- and evolved- (at the incredible rate of " $c^2/h$ " =  $1.36 \cdot 10^{50}$  sec) by this singular higher-ordered UCR completely alters our basic conception and understanding of the physical universe (e.g., as well as our own important role as Human-Beings possessing an Individual Human Consciousness within it)! No longer is the universe conceived as "randomly" created by an initial "Big-Bang" nuclear event, nor as being evolved based on either macroscopic Relativistic direct physical interactions (between certain "massive-objects" assumed to "cause" the "curvature of Space-Time" etc.), nor as driven by direct subatomic physical interactions/ between a given "probe" and corresponding "target's probability wave function" which is assumed to "cause" the "collapse" of this "target's probability wave function" into a singular complimentary "space/energy" or "time/mass" value)... Nor is the universe "drifting aimlessly" into an ever increasing "greater Entropy" inevitable dissolution (based on the Second Law of Thermodynamics)... Nor is the "Biological Evolution" of the species "caused" by direct physical interactions between certain organism/s (e.g., which "genetically mutate" "randomly") and their environment – which "causes" the "survival of the fittest"?!.

Instead, the New "G-d's Physics" postulates that the (continuous) "origination" (or computation),

"dissolution", re-computation- and evolution of each exhaustive spatial pixel comprising the entire physical universe is solely "guided" and "determined" by that singular higher-ordered "Universal Consciousness Reality" (UCR)'s intrinsic properties, e.g., including its "Ten Laws of Hierarchical Manifestation" – which also include" the UCR's "Good-Will", "Free-Will", "Dynamic-Equilibrium" Moral Principle etc., and its overarching "Reversed-Time Goals Hypothesis" (RTGH) which states that this singular higher-ordered UCR computes the whole evolution of the physical universe from its "Ultimate Final Goal" of reaching a "Perfected" – Physically, e.g., including the "abolishment of death" (see previous publication)!, Morally, e.g., the existence of a World and Universe in which all Individual Human Consciousness (Human-Beings) function and operate based on their realization of their complete (and mutual) "unity" and "inseparability" from this singular, higher-ordered UCR – which would bring about a fundamental change in their behavior such that it would be as "inconceivable" for any ("sane") Human Being to "inflict pain" by its "right hand" upon its "left hand"; in the same manner it would become completely "inconceivable" for any Individual Human Consciousness (Human Being, individual) to "inflict pain/suffering" upon another Human-Being due to Humanity's fundamental realization that all Human-Beings are "inseparable" from the singular higher-ordered "UCR" (and therefore form "integral-inseparable segments" of this singular UCR, and form each other!); And Spiritually – this UCR's ultimate "Perfected" State (e.g., termed: "Geula" in the profound Jewish Tradition) implies that all Human-Beings would recognize the singular existence of this higher-ordered UCR – of which Human-Beings and the entire physical cosmos are only "transient", "phenomenal" and "inseparable" elements, which would therefore increasingly manifest a basic sense of "recognition", "awe", "gratitude" (and "reverence") towards that Singular, Higher-Ordered, All-Goodness, All-Giving UCR, i.e., "G-d"!

Indeed, Science and Humanity is reaching a "pivotal-point" along its incessant development in which they "desperately" needs to undergo a basic fundamental "Paradigmatic-Shift" from its Old "Material-Causal" Paradigm of 20<sup>th</sup> Century Physics towards the much broader "exhaustive" New "G-d's Physics" Paradigm – which discovered the existence of a singular, higher-ordered "Universal Consciousness Reality" (UCR) that continuously computes- "dissolves"- re-computes and evolves every exhaustive spatial pixel in the universe (at an unfathomable rate); and which directs the World and Humanity towards a Physically, Morally and Spiritually Perfected "Geula" State – in which the most advanced form of Physical, Biological and Moral development, (e.g., "Human-Beings") reach a condition in which they (collectively) recognize the singularity of this higher-ordered UCR, its "Reversed-Time Goal Hypothesis" incessant "driving" of the Universe (from its "inception" and continuously with each consecutive UF's frame/s)

towards this Physically, Morally and Spiritually "Perfected-Geula" Ultimate (and "eternal") State! Towards the discovery of this Ultimate Truth" – did Science receive its "mandate" from Humanity, and regardless of "scientist's" willingness (or "unwillingness") to recognize, embrace and advocate this singular, higher-ordered "Ultimate-Truth" – Humanity must reach this Perfected "Geula" State, i.e., especially during these "troubling" and "trying" times of the Covid-19 Pandemic (which seem to "challenge" many of the old "Material-Causal" Old Paradigm's basic assumptions), and in which Humanity is groping for a "Just", "Morally", "Physically" and "Spiritual" "New Reality": It's "Time" for "Geula"!

**Dedication:** This article (as well as all of the other articles in this Special Issue) are dedicated to my Great Lubavitcher Rebbi, my dear Father, Prof. Zvi Bentwich, my dear beloved diseased Saintly mother, Dr. Tirza Bentwich (daughter of Yitzchak), my dear beloved wife, Shulamit Bentovish, my two sons: Shoham and Nethanel Yossef and daughter Neomi Tirsa Shulamit, my eldest brother Issac and all of my extended family; To my Grandfather Yossef Bentwich and Great Grandfather Zvi Herbert Bentovish (Bentwich); It is also dedicated to Mr. Brian Fisher. It is dedicated (more generally) to all "True Scientists" who fight to discover "Truth" – no matter how "inconvenient" or "hard" the Journey to its discovery may be, for the sake of uplifting Humanity to its ultimate "Goal" of "Geula" and a Truly Perfected World which recognizes, acknowledges and adorns that Singular Higher-Ordered "Universal Consciousness Reality", i.e., "G-d"! This article is also dedicated in memory of dear beloved Mrs. Diana Raz, who shed so much light and Goodness in the lives of so many couples but whose own life was stumped at such an early age leaving behind four innocent children, may her Memory Blessed and may her Soul ascend to Paradise (where she belongs)...

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**FROM THE OLD "MATERIAL-CAUSAL" PARADIGM'S "DARK-MATTER" & "DARK-ENERGY" TO "G-D'S PHYSICS" NEW PARADIGM'S "UNIVERSAL CONSCIOUSNESS REALITY" (UCR)!**

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**\*Note:** Dr. Bentovish is currently seeking the most appropriate leading Academic Institute to assist him in carrying-out further necessary empirical validation and Theoretical elaboration of his New Twenty-first Century New 'G-d's Physics' Paradigm.

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**ABSTRACT**

Twenty-first Century Theoretical Physics is undergoing a profound "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying both Relativity Theory (RT) and Quantum Mechanics (QM) to the New "G-d's Physics" ("Computational Unified Field Theory", CUFT), which stems from the apparent "theoretical-inconsistency" that seems to exist between RT & QM and the principle inability of the Old "Material-Causal" Model to account for up to 95% of all the mass and energy in the universe – i.e., termed: "Dark-Matter" and "Dark-Energy", but which represent purely hypothetical concepts which cannot be verified experimentally! In contrast, the New "G-d's Physics" Paradigm was shown capable resolving this apparent RT-QM inconsistency and discarded "Dark-Matter" and "Dark-Energy" as "superfluous" (i.e., non-existent!) based on its discovery of an alternative singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{-50}(\text{sec})!$ " This New "G-d's Physics" Paradigm is considered as the New 21<sup>st</sup> Century Paradigm in Physics and allows for the complete integration of the four basic physical features of "space" and "energy", "mass" and "time" as well as of the Four basic Forces (Weak, Strong, Electromagnetic and Gravitational) based on its discovery of a novel "Universal Computational Formula" computed by this singular UCP. Additionally, based on two of its newly discovered "Theoretical Postulates", namely: the "Computational-Invariance Principle" and the "Universal Consciousness Reality" (UCR), the New "G-d's Physics" Paradigm indicates that there exists only one singular higher-ordered UCR which exists both "during" its computation of each consecutive "Universal Frame" (UF) comprising the entire physical universe at every minimal time-point, and also "in-between" any two consecutive UF's frames in which the entire physical universe "dissolves" back into the singularity of this UCR! An urgent call is made to all Cosmologists, Astronomers and Experimental Physicists to validate two unique "Critical Predictions" of this New "G-d's Physics" Paradigm including the "Non-Continuous Accelerated Expansion of the Universe at the Jewish "Rosh-Hashana" (New Year) (NCAEU-JRH), and the greater number of "Fine Temporal Measurements" (FTM) of relatively "more-massive" particles such as the Muon than for relatively "less-massive" particles such as the electron – verification of which would substantiate this New "G-d's Physics" Paradigm as the New Paradigm for 21<sup>st</sup> Century Theoretical Physics!

**INTRODUCTION**

**The New "G-d's Physics" Paradigmatic Shift**

Twenty-first Century Theoretical Physics has reached a "Paradigmatic-Crisis" as clearly defined by Thomas Kuhn (1962) due to the fulfillment of a few troubling indications regarding: a) the apparent "theoretical inconsistency" between the two "pillars" of the Old "Material-Causal" Paradigm underlying both Relativity Theory and Quantum Mechanics; b) an inability to adequately explain a series of empirically validated phenomenon such as the accelerated expansion of the universe – which is "explained" through the Old

Material-Causal Model's purely hypothetical concepts of "dark-matter" and "dark-energy" that could not be detected experimentally and are still assumed to account for up to 95% of all of the mass and energy in the universe?! c) the emergence of a New "G-d's Physics" (also previously termed: the "Computational Unified Field Theory", "CUFT") which was shown capable of resolving this apparent "theoretical inconsistency" between RT & QM, as well as offer an alternative (testable) explanation for the accelerated expansion of the physical universe, thereby negating the existence of the purely hypothetical "dark-matter" and "dark-energy" concepts; and d) identify unique new "Critical

Predictions" that differentiate this New "G-d's Physics" (CUFT) Paradigm from those of both RT & QM!

Indeed, the goal of the current article is to outline the gist of this New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics, including its key theoretical postulates, revision of the Old "Material-Causal" Model's explanation of the origin- dynamics- nature- and evolution- of the physical universe, design, quantify and test some of this unique "Critical Predictions" characterizing this New "G-d's Physics" Paradigm, thereby de facto beginning to validate this New Paradigm for Twenty-first Century Physics! Perhaps, the best starting point to delineate the gist of the New "G-d's Physics" 21<sup>st</sup> Century Paradigm is by highlighting one of the key principle "theoretical inconsistencies" that exist within the pillars of 20<sup>th</sup> Century's Old "Material-Causal" Paradigm underlying both RT & QM, which is the (apparent) "theoretical inconsistency" that exist between Relativity's insistence upon a strict "Speed of Light Barrier" constraint imposed upon the transmission of any signal (or information) across space and time – as opposed to Quantum Mechanics (QM) discovery of a "Quantum Entanglement" phenomenon which indicates that the measurement of one "entangled-particle" found at a distance greater than can be traversed by the Speed of Light (signal) "instantaneously" determines (or affects) the "complimentary" subatomic ("space/energy" or "time/mass") of another "entangled particle" – thereby negating Relativity's strict "Speed of Light Barrier" for the transmission of any signal or effect across space and time!? In addition (as stated above), the fact that the empirically observed accelerated expansion of the physical universe – cannot be accounted for by either Relativity Theory or Quantum Mechanics both underlie by the Old "Material-Causal" 20<sup>th</sup> Century Paradigm, e.g., "explained" by a "purely hypothetical" "dark-matter" and "dark-energy" concepts which cannot be directly verified experimentally (despite numerous attempts to do so); forces 21<sup>st</sup> Century Theoretical Physics to seek an alternative "G-d's Physics" (CUFT) New Paradigm that can resolve these apparent "theoretical inconsistencies" that seem to exist between RT & QM, explain the accelerated expansion of the universe and also open new (exciting) frontiers for our deeper understanding of the physical universe!

In order to understand this basic "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" "A-Causal Computation" Paradigm, let us analyze the "common denominator" underlying Old "Material-Causal" Paradigm underlying both RT & QM: Succinctly stated, the Old "Material-Causal" Paradigm assumes that any relativistic or quantum subatomic phenomenon (or entity, process etc.) can be explained merely based on the direct (or indirect) physical interaction/s between a given set of material factors: In the case of General Relativity, the whole dynamics of the entire physical universe is explained based on Einstein's Equations indicating that it is the direct physical

interactions between certain given "massive objects" and "Space-Time" which "causes" the "curvature of Space-Time", and conversely that it is this "curved Space-Time" which determines (or "causes") the "travelling pathways" of those "massive" and other less massive objects. In Quantum Mechanics, it is assumed that the physical properties of any subatomic target particle's "probability wave function" can only be determined based on its direct physical interaction with a corresponding subatomic "probe" element which "causes" the "collapse" of this "probability wave function" into a single complimentary "space/energy", "time/mass" value; In other words, according to the Old "Material-Causal" Paradigm, the behavior of any relativistic or quantum phenomenon (or entity) in the universe is dependent upon its direct physical interaction/s with another material entity (force or factor etc.).

In contrast, the New "G-d's Physics" Paradigm is based upon the discovery of a new "Universal Computational Principle" (UCP) which is hypothesized to simultaneously compute every exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h = 1.36^{50}$  (sec)!" This exciting discovery (along with "G-d's Physics" other new "Theoretical Postulates") point at a fundamental "Paradigmatic-Shift" towards a New "A-Causal Computation" Paradigm of "G-d's Physics"! This is simply because if the singular higher-ordered UCP simultaneously computes all exhaustive spatial pixels in the universe (at the incredible rate of " $c^2/h = 1.36^{50}$  sec!"), then this negates the possibility of the existence of any "material-causal" physical interactions between any two (or more) exhaustive spatial pixels in the universe! Indeed, according to this New "G-d's Physics" A-Causal Computation Paradigm at every such "minimal time-point" at which the UCP simultaneously computes all exhaustive spatial pixels in the universe, this produces an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every minimal time-point; Moreover, the New "G-d's Physics" Paradigm postulates that "in-between" any two such consecutive UF's frame/s, the whole entire physical universe "dissolves" back into the singularity of the UCP which computes all exhaustive spatial pixels comprising each UF's frame/s! Therefore, according to this New "G-d's Physics" Paradigm, there cannot exist any direct (or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels – existing either in the same- or different- UF's frames, and moreover that there cannot exist any "transference" of any material or physical effect/s or even any material or physical entities (e.g., relativistic or subatomic) across any two consecutive UF's frame/s (once again, because the entire physical universe "dissolves" "in-between" any two consecutive UF's frames! In fact, due to this complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frame/s and the inability to "transfer" or "sustain" any of the exhaustive spatial pixel, then this led to several of the more advanced Theoretical

Postulates of this New "G-d's Physics" Paradigm, e.g., first and foremost, the "Universal Consciousness Principle/Reality"! The "Universal Consciousness Principle/Reality" postulates that since the whole universe "dissolves" back into the singularity of the "Universal Computational Principle" (UCP) "in-between" any two consecutive UF's frame/s (and no exhaustive spatial pixel, or any associated material entity, "force" etc. can be "transferred" across any two consecutive UF's frames, therefore the only means for "sustaining", "retaining", "re-computing", and indeed "evolving" any exhaustive spatial pixel in the universe across the series of UF's frames computed by the singular higher-ordered UCP – may only be attained based on our recognition of this UCP's "Universal Consciousness" capacities – i.e., to "remember", "retain", "re-compute" and "evolve" any of the multifarious exhaustive spatial pixels comprising the entire physical universe! Therefore, it was realized that this Universal Computational Principle is actually also a "Universal Consciousness Principle" (or as we'll see shortly also a "Universal Consciousness Reality"!).

It may be therefore helpful, at this point to list briefly the principle "Theoretical Postulates comprising this New "G-d's Physics" Paradigm:

#### a) The "Universal Computational/Consciousness Principle"

According to the New "G-d's Physics" Paradigm, there exists a singular higher-ordered Universal Computational/ Consciousness Principle (UCP) which *simultaneously* computes every exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h = 1.36 \cdot 10^{50}$  sec(!)" giving rise to an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every such "minimal time-point", wherein "in-between" any two such consecutive UF's frames the entire physical universe "dissolves" back into the singularity of this UCP! This UCP possesses three "Computational Dimensions", e.g.,: "Framework" ("frame" vs. "object"), "Consistency" ("consistent" vs. "inconsistent") and "Locus" ("global" vs. "local") – two out of which "Framework" and "Consistency" produce the four basic physical features of "Framework" – "consistent" ("space") or "inconsistent" ("energy") and "Object" – "consistent" ("mass") or "inconsistent" ("time) physical features that continuously and simultaneously compute any exhaustive spatial pixel in the universe for each consecutive UF's frame/s! Another key new discovery made by the New "G-d's Physics" (CUFT) Paradigm is its insistence that this singular higher-ordered UCP *simultaneously computes* all of the exhaustive spatial pixels in the universe for each consecutive UF's frame/s at the incredible rate of " $c^2/h = 1.36 \cdot 10^{50}$  sec(!); and that "in-between" any two consecutive UF's frames the entire physical universe and all of its constituting exhaustive spatial pixels "dissolve" back into the singularity of this singular higher-ordered UCP!.

#### b) "G-d's Physics" New "A-Causal Computation" Paradigm

Based on "G-d's Physics" New Paradigm's discovery that the singular higher-ordered UCP *simultaneously computes* all exhaustive spatial pixels comprising the entire physical universe – for each consecutive UF's frame/s (and that "in-between" any two consecutive UF's frames the whole universe "dissolves" back into the singularity of the UCP), a new "A-Causal Computation" characterization of "G-d's Physics" New Paradigm is acknowledged: essentially, the simultaneity of the UCP's computation of all exhaustive spatial pixels (and their complete "dissolution" "in-between" any two consecutive UF's frame/s back into the UCP) means that there cannot exist any "material-causal" physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames! Rather, the same singular UCP computes simultaneously all exhaustive spatial pixels comprising the entire physical universe – which implies that there cannot exist any Relativistic or Quantum "material-causal" physical relationships, interactions, or effects! This negated many of the Old "Material-Causal" (20<sup>th</sup> Century Physics) Paradigm's basic assumptions underlying both Relativity Theory and Quantum Mechanics, including: the "Big-Bang" Model, Einstein's Equations, discarding of the hypothetical "dark-matter" and "dark-energy" concepts etc.

#### c) The "Computational Invariance Principle" & "Universal Consciousness Reality"

Another key new theoretical postulate of the New "G-d's Physics" Paradigm is the "Computational Invariance Principle" which posits that since only the UCP exists – continuously and consistently both "during" each consecutive UF's frame/s – solely computing (simultaneously) all exhaustive spatial pixels' four basic physical features of "space" and "energy", "mass" and "time", and also singularly exists "in-between" any two consecutive UF's frame/s (without the presence of the physical universe), therefore the "Computational Invariance Principle" theoretical postulate asserts that only this singular UCP may be regarded as "computationally-invariant" existing uniformly and "consistently" – both "during" its computation of each consecutive UF's frame/s and also "in-between" any two consecutive UF's frame/s, whereas the four basic physical features being computed for all exhaustive spatial pixels in the universe may only be regarded as "computationally-variant", e.g., existing only "transiently" and "phenomenally" ("during" each consecutive UF's frame/s but "dissolving" "in-between" any two consecutive UF's frames)! This new (profound) realization of the "Computational Invariance Principle" of "G-d's Physics" New Paradigm is also associated with another new theoretical postulate termed: the "Universal Consciousness Reality" (UCR) which posits that since the whole physical universe (e.g., and all of its constituting exhaustive spatial pixels) is only regarded as "computationally-variant" – existing only "transiently"

"during" each consecutive UF's frame/s but "dissolving back into the singularity of the UCR, whereas the singular higher-ordered UCP is considered to be "computationally-invariant" (existing continuously and consistently both "during" each consecutive UF's frame/s as computing each exhaustive spatial pixel's four basic physical features of "space" and "energy", "mass" and "time", as well as solely existing "in-between" any two consecutive UF's frames without the presence of any physical universe); therefore there only exists one singular "Universal Consciousness Reality" which exists consistently and continuously – manifesting as the phenomenal physical universe "during" its computation of every exhaustive spatial pixel of each consecutive UF's frame/s and existing without the presence of the physical universe, in-between any two consecutive UF's frames! Indeed, this new "Universal Consciousness Reality" carries with it a profound alteration of our basic perception and understanding of the physical universe – which ceases to exist as an "objective-independent" reality, and it transformed into the new theoretical understanding that (in truth) the entire physical universe only represents a "phenomenal, transient manifestation" of this singular UCR!

**d) The "Universal Computational Formula"**

Based on "G-d's Physics" (CUFT) New Paradigm's discovery of the Universal Computational/Consciousness Principle (UCP) and its simultaneous computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s it also revealed the existence of an integrated simultaneous computation of all the four basic physical features of "space" and "energy", "mass" and "time" as computed based on two out of the three basic "Computational Dimensions" of the UCP (delineated further below and previously):

**Universal Computational Formula (UCF)**

$$\left. \begin{matrix} \text{׳} \\ c^2 \\ - \\ h \end{matrix} \right\} \text{UF's } \{\aleph \dots \aleph \dots \aleph\} = \frac{s * e}{t * m}$$

Wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("׳") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through "מ " to "ן") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec'!

**e) The "Dynamic Equilibrium" Moral Principle & UCP's "Multi Spatial-Temporal Reservoir"**

Another key theoretical postulate of this New "G-d's Physics" Paradigm is the discovery of the UCP's associated "Dynamic-Equilibrium" Moral Principle and its associated "Multi Spatial-Temporal Reservoir" bank of all "past", "present" and multiple possible "future/s" UF's frames based on the "Moral/Immoral Choices" of each Individual Human Being towards another human being; Essentially, due to the "inseparability" of all Individual Human Consciousness (human beings) from this singular higher-ordered "Universal Consciousness Principle" (UCP) the New "G-d's Physics" Paradigm asserts that there is a basic fundamental "Dynamic-Equilibrium" Moral Principle characterizing the operation of this UCP – such that any "immoral-imbalance" created by any "immoral choice" made by any Individual Human Consciousness towards another Individual Human Consciousness is "corrected" and "balanced" by the UCR in a manner in which that Individual Human Consciousness which chose to "inflict pain/suffering" upon another Individual Human Consciousness – the UCP is selecting one of multiple "possible future/s" UF's frame/s in which it will also have to experience the same (nature and degree) of pain/suffering that it inflicted upon the other Individual Human Consciousness in order that it learns and realizes the basic "unity" and "inseparability" of all Individual Human Consciousness from the singular higher-ordered UCP and honors and respects all other such Individual Human Consciousness (just as pointed out by the Alter-Rabbi, Rabbi Schneur-Zalman in his famous Tanya Book, chapter 32)! Additionally, according to this new "Dynamic-Equilibrium" Moral Principle, since the whole "purpose" of the UCP's associated "Dynamic-Equilibrium" Moral Principle is to "teach", "correct" or "balance" any "immoral-choice/s" of any Individual Human Consciousness so that that Individual Human Consciousness acknowledges and "realizes" its "unity" with the UCP and inseparability from all other Individual Human Consciousness – so that it could not and would not consider or execute any "immoral-choice/s" toward any other Individual Human Consciousness, therefore there is another possibility carved out by the singular higher-ordered UCP of "teshuva" – e.g., repentance, a sincere regret relating to the "immoral choice" and a conscious decision not to repeat it in the future – which "circumvents" and replaces the need of that Individual Human Consciousness to experience itself the abovementioned "negative future" that is equivalent to its own "wrongdoing"... Finally, this "Dynamic-Equilibrium" Moral Principle may be seen as part of the overall "Goal" of the UCP's constant and continuous origination- sustenance- "dissolution" and evolution- of the entire physical universe – which is to bring the World towards its "Perfected- Geula" State of Moral, Spiritual and even Physical Perfection, in which the oneness and integrity of all creation as part of the singularity of the UCP will be realized and acknowledged by Humanity,

see next "Reversed-Time Goal Hypothesis" theoretical postulate;

**f) The UCR's "Expansive Consciousness Spectrum Hypothesis" & "Reversed-Time Goal Hypothesis"**

Another two profound and key theoretical postulates of the New "G-d's Physics" Paradigm are: the UCR's – "Expansive Consciousness Spectrum Hypothesis" & "Reversed-Time Goal Hypothesis"; the "UCR's Expansive Consciousness Spectrum Hypothesis" stipulates that as part of the UCP/UCR's ultimate Goal of driving the world (and entire universe) towards a "Perfected State" – called "Geula" in Jewish Tradition in which the oneness and unity of all creation as integral parts of the singular higher-ordered UCP/UCR will be recognized by Humanity; the UCR computes-, "dissolves", "re-computes"- and evolves- the forms manifested by this singular UCP/UCR from "inanimate" matter (e.g., subatomic particles and the entire macroscopic universe) through "animate" forms of plants, then animals then human-beings – which represents the most "expansive" form of Consciousness; and ultimately leads this much "refined" and more "Expansive" form of Human Consciousness towards its ultimate "expanded" manifestations of this singular Universal Consciousness Reality which are expressed in the "expanded form of Individual Human Consciousness" (previously delineated) in which Individual Human Consciousness "expands" to a state in which it is "not separate" and functions in "unity" with the Universal Consciousness Reality (e.g., sometimes related to as states of "Prophecy" such as with Moses!); Another manifestation of this expansion of Individual Human Consciousness occurs also in "special times" and states of "Collective Human Consciousness Focus (Hypothesis)" (also delineated below and previously) – such as during the Jewish "Rosh-Hashana" (New Year) time-interval in which Millions of Jews (all over the world) collectively focus on- and pray to- this singular higher-ordered "Universal Consciousness Reality", i.e., "G-d"! As published and delineated previously, this New "G-d's Physics" profound expansive new perspective on the development and evolution of the entire cosmos – including its "inanimate" manifestations of all material compositions, e.g., including the relativistic accelerated expansion of the physical universe as well as all subatomic (quantum) particles, forces and phenomena, all "animate" forms of "plants", "animals" and "human-beings" brings about an entirely new and integrated view on the origination- and evolution- of the physical universe and all biological forms – not as "caused" by any "random" Big-Bang nuclear explosion but as driven and computed by the singular higher-ordered UCR whose sole Goal is to bring the entire physical universe and our own world towards the State of "Geula" Perfection (Morally, Spiritually and Physically); Indeed, the additional "Reversed-Time Goal Hypothesis" theoretical postulate posits that the entire origination of the entire physical universe continuous and constant computation by the UCP (simultaneously) of all

exhaustive spatial pixels in the universe for every consecutive UF's frame/s from its onset- in the "first" UF frame and until this date and onwards until the UCP/UCR brings the universe into its ultimate "Goal" of a Perfected: Morally, Spiritually and Physically State; This "Reversed-Time Goal Hypothesis" simply posits that the entire origination- sustenance and evolution of the entire physical universe – is driven by its drive to bring the world towards its ultimate Perfected "Geula" State of Moral, Spiritual and even Physical Perfection (e.g., in which there will not be any longer "death!"); a State in which all Human Being will recognize and realize the oneness of all creation with this singular higher-ordered Universal Consciousness Reality (UCR), and therefore there could not exist any longer any such "negative" phenomena of "violence", "aggression", "crimes" or "immoral behavior", and on the contrary Humanity's (and Science's) ultimate recognition of the singular higher-ordered UCR as the sole reality that drives and sustains the entire universe will lead to an attitude of "reverence", "gratitude" and "studying" of this "All-Goodness", "Divine" "Universal Consciousness Reality" ("G-d"!), as anticipated by the great Jewish Sage and Teacher, Maimonides (in his monumental "Mishna-Torah" masterpiece)...

**1. G-d's Physics New "A-Causal Computation" Paradigm!**

The Major "Paradigmatic-Shift" brought about by the New "G-d's Physics" Paradigm is associated with its discovery of the singular higher-ordered "Universal Computational Principle" (UCP), which simultaneously computes all exhaustive spatial pixels in the universe, e.g., for each minimal time-point, thereby producing an unfathomably rapid rate of " $c^2/h$ " =  $1.36^{50}$  (sec) of a series of "Universal Frames" (UF's) comprising the entire physical universe! The key point to be noted is that since this UCP simultaneously computes all exhaustive spatial pixels comprising the entire physical universe at each such minimal time-point, therefore there cannot exist any direct or even indirect physical interaction/s between any two (or more) exhaustive spatial pixels existing in any given single or multiple UF's frames!? Moreover, due to the complete "dissolution" of all of these exhaustive spatial pixels comprising any single or multiple UF's frames back into the singularity of the UCP – "in-between" any two such consecutive UF's frames, therefore there cannot exist also any direct or indirect "material-causal physical relationship/s or effect/s between any two (or more) exhaustive spatial pixels existing in different UF's frame/s! Hence, the New "G-d's Physics" Paradigm represents a new "A-Causal Computation" Paradigm that negates the very possibility of the existence of any "material-causal" physical relationship/s, interaction/s effect/s or even "laws"! This is simply because once the simultaneity of the UCP's computation of every exhaustive spatial pixel in the universe (for each consecutive UF's frame/s) is realized there cannot exist any (direct or indirect) physical interaction/s between any two (or more) exhaustive

spatial pixels – existing either in the same or different UF's frames!.

Therefore, the New "G-d's Physics" Paradigm completely alters and revises our basic conception and understanding of the entire physical universe – its origin, sustenance, evolution and ultimate "Goal": The universe was not created or "caused" by an initial nuclear event – since there could not have been any direct (or even indirect) "material-causal" physical interactions between any two (or more) exhaustive spatial pixels (e.g., comprising the suns, galaxies, planets, space, energy and mass which are assumed to have been erupted and created by this initial "Big-Ban" nuclear event) – i.e., in the "first", "second", "third" etc. UF's frames, nor could there have been any "transference" of any "material-entity" or any "material-effect" across any two consecutive UF's frames! More significantly, the entire physical universe "dissolves" between any two such consecutive UF's frames – back into the singularity of the UCP, so that Science must acknowledge the basic fact that the entire physical universe is being created- "dissolved"- re-created- and evolved- so many Billions of times (e.g.,  $c^2/h = 1.36^{50}$  sec!) per second by this singular higher-ordered Universal Computational /Consciousness Principle! Likewise, Einstein's famous equations at the center of General Relativity Theory (GRT) which assume that the whole dynamics and evolution of the entire physical universe is based upon direct physical interactions between certain "massive-objects" which "cause" the curvature of Space-Time, and conversely that the "travelling-pathways" of these "massive-objects" and other "less-massive objects" is "caused" or determined by the curvature of "Space-Time" by these "massive-objects" – is once again challenged and (in fact) negated by this New "G-d's Physics" A-Causal Computation Paradigm! This is, once again, due to the *simultaneity* of the UCP's computation of all exhaustive spatial pixels in the universe, e.g., for each consecutive UF's frame/s – which negates the possibility of the existence of any such "material-causal" physical interactions between any such given "massive-objects" and their assumed "curvature of Space-Time" (or conversely the determination of the "travelling-pathways" of any of these "massive/less-massive objects" and "curved Space-Time"!).

In much the same manner, The New "G-d's Physics" Paradigm negates and cancels the existence of the purely hypothetical "Dark-Matter" and "Dark-Energy" concepts assumed by the Old "Material-Causal" Paradigm (underlying both RT & QM) to constitute the sole "cause" for the (empirically observed) accelerated expansion of the physical universe! The reason for this negation of the existence of "Dark-Matter" and "Dark-Energy" as "superfluous", i.e., "non-existent" (!) is twofold: a) alike the purely hypothetical "ether" concept of pre-Einstein's 1905's & 1915's Relativity Theory – which was also assumed to exist but could not be experimentally detected, those purely hypothetical

"Dark-Matter" and "Dark-Energy" concepts fail to be detected directly experimentally, despite numerous attempts to do so! b) from a theoretical standpoint, such a (purely "hypothetical") cannot, in fact, exist because it is based on a "material-causal" assumption (e.g., associated with the Old "Material-Causal" Paradigm of RT & QM) wherein it is assumed that these "Dark-Matter" and "Dark-Energy" entities "cause" the accelerated expansion of the physical universe; But, as we've already seen, such a "cause-and-effect" "material-causal" physical relationship between these (purely hypothetical) "Dark-Matter" and "Dark-Energy" entities and the accelerated expansion of the universe, existing at any single- or multiple- UF's frames is negated by the simultaneity of the UCP's computation of all exhaustive spatial pixels, for each consecutive UF's frame/s! This is because at no single- or multiple- UF's frame/s can there exist any "material-causal" (direct or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels comprising any such single- or multiple-UF's frames! Moreover, as we've seen the entire physical universe "dissolves" back into the singularity of this higher-ordered UCP, which means that there cannot exist any "material-causal" relationships existing across any two consecutive UF's frames! So, these purely hypothetical "Dark-Matter" and "Dark-Energy" concepts cannot operate or exist – either within any given single or multiple UF's frame/s, or indeed "in-between" any two such consecutive UF's frames!?

Likewise, the Old "Material-Causal" basic assumption manifesting through QM's assumption wherein it is the direct physical interaction between a given subatomic "probe" element and a corresponding subatomic "target's" (assumed) probability wave-function" – which "causes" the "collapse" of this target's "probability wave function's" into a singular complimentary "space-energy", "mass-time" value – is strictly challenged and (in fact) negated! This is because (once again), any such "material-causal" (direct or indirect) physical interactions between any two (or more) exhaustive spatial pixels – existing either in the same- or different- UF's frame/s is negated based on the simultaneity of the UCP's computation of all exhaustive spatial pixels of the universe for each consecutive UF's frames, and the complete "dissolution" of the universe "in-between" any two consecutive UF's frame/s (back into the singularity of the UCP, which solely exists "in-between" any two such consecutive UF's frame/s)! So, we realize, that there cannot exist any direct physical interactions between any two assumed subatomic "probe" and "target's" probability wave-function" – existing either in the same- or different- UF's frame/s; simply because even if two such (hypothetical) subatomic elements existed, they could not interact physically (at any single or multiple) UF's frame/s due to their *simultaneous computation* for each consecutive UF's frame/s (and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frame/s!).

Perhaps it is befitting to mention here, one of the elements of the "Cinematic-Film Metaphor" which has been presented previously as a (somewhat) "equivalent" metaphor for the New "G-d's Physics" Paradigm's depiction of the UCP's continuous computation-"dissolution"- re-computation and evolution of every exhaustive spatial pixel in the universe for each consecutive UF's frame, in order to better understand the UCP's underlying "dynamics" of the constant creation-"dissolution"- re-creation- and evolution- of the entire physical universe (so many Billions of times per second)! According to this "Cinematic Film Metaphor", imagine a film scenario depicting a given "Mercury Ball" impacting another "Glass-Jar" (filled with water), which seems to "cause" the "breakage" of this "Glass-Jar" and "spillage of the water" (contained in that jar); Even though it seems to our "naked eye" that it is the impact of the "Mercury-Ball" on the "Glass-Jar" that "caused" the "breakage of the Glass-Jar" (and the consequent "spillage of water") – if we were to "slow-down" the progression of the film-frames, we would undoubtedly find out that at no single- or multiple- UF's frame/s does can there exist any direct physical interaction between these two "Mercury-Ball" and "Glass-Jar" objects!?! This is because we would notice that throughout the progression of these consecutive film-frames depicting the apparent scenario of the "Mercury-Ball's" apparent "impact" on the "Glass-Jar" – in all film-frames both the "Glass-Jar" and the "Mercury-Ball" are being presented *simultaneously!* In truth, all that "happens" is the depiction of these two objects at ever close spatial proximity – until they seem to "conjoin" spatially, but in all of these consecutive film-frames, the "Glass-Jar" and "Mercury-Ball" are being presented simultaneously for each of these consecutive film-frames, thereby negating the very possibility of any "physical interaction" between them!?! So, we reach the inevitable theoretical conclusion wherein, in truth, there does not exist any direct (or indirect) physical interaction/s between these "Glass-Jar" and "Mercury-Ball" objects – but rather the "Producer" of the film has "arranged" the appearance of these two adjacent objects to be presented at such a sequence of film-frames at ever-closer spatial proximity; and the presentation of the "spillage of water" from the Glass-Jar – in a film-frame consecutive to the one depicting the "breakage" of the Glass-Jar; which gives us the perception (or impression) that in fact, it was the direct physical impact of the "Mercury-Ball" upon the "Glass-Jar" which "caused" the "spillage of water" (from that "Glass-Jar")... But, once we realize that throughout all of these consecutive film-frames, there cannot exist any direct (or indirect) physical interactions between the "Glass-Jar" and "Mercury-Ball", we must reach the inevitable conclusion that it is only our perception (or interpretation) of the sequence of film-frames – arranged by the "Producer" of the film depicting the ever-closer proximity of the Mercury-Ball to the Glass-Jar that seems to suggest that there exist any "cause-and-effect" physical relationship between these two objects, which we realize cannot truly exist! So, utilizing this

"Cinematic-Film Metaphor" for our discussion of the New "G-d's Physics" Paradigm's novel theoretical account for the "true dynamics" underlying the Old "Material-Causal" Paradigm's Quantum Mechanical assumption wherein it is the direct physical interaction between the subatomic "probe" and assumed "target's probability wave function" which "causes" the "collapse" of this assumed "target's probability wave function" – reveals for us that similarly the "appearance" of such "cause-and-effect" direct physical interaction between the subatomic "probe" and "target's (assumed) probability wave-function" does not represent the "true-nature" of the UCP's singular and simultaneous computation of any two (or more) exhaustive spatial pixels (including the assumed "probe" and "target's probability wave function")! Instead, what truly exists is the sole and singular UCP's computation of every "single spatial-temporal particle" or "multiple spatial-temporal wave" elements within its exhaustive (simultaneous) computation of all exhaustive spatial pixels comprising any consecutive UF's frames, which gives us the "impression" of the existence of "material-causal" physical relationships between the subatomic "probe" and "target's (assumed) probability wave-function" – which nevertheless does not exist, e.g., due to the simultaneity of the UCP's computation of all exhaustive spatial pixels comprising every consecutive UF's frames!.

Essentially, the New "G-d's Physics" Paradigm reveals an entirely "A-Causal Computation" basis for the origination- sustenance- and evolution of the physical universe – in which any kind of "material-causal" physical relationships, are negated (and prohibited)! This is because once we realize that it is solely the existence of the singular, higher-ordered "Universal Computational/Consciousness Principle" (UCP) which *simultaneously computes all exhaustive spatial pixels in the universe* (e.g., for each consecutive UF's frame/s); and that, in fact, all of the universe's exhaustive spatial pixels "dissolve" "in-between" any two consecutive UF's frames back into the singularity of this UCP; the inevitable theoretical conclusion derived from this New "A-Causal Computation" G-d's Physics' Paradigm is that there cannot exist any direct or indirect physical interactions (or relationships) between any two or more exhaustive spatial pixels found either within the same- or different- UF's frames! Instead, we are led to the (surprising) recognition (and realization) that the sole existence- origination- dynamics- and evolution- of the entire physical universe is solely attributed to the existence of the singular, higher-ordered Universal Computational/Consciousness Principle (UCP) – which exists both "during" its simultaneous computation of every exhaustive spatial pixel in the universe for each consecutive UF's frame/s it computes; as well as solely exists "in-between" any two consecutive UF's frames – in which the entire physical universe "dissolves" back into the singularity of this UCP! So, we see, that the universe was not created (or "caused") by an initial "Big-

Bang" nuclear event, nor is it based on- or governed by-Einstein's Equations' "material-causal" assumption; or expanded (at an accelerated rate) by any purely "hypothetical" "Dark-Matter" or "Dark-Energy" concepts; Nor does it comprise any direct physical interaction/s at the subatomic level between any given subatomic "probe" element and a corresponding (assumed) "target's probability wave-function" which is assumed to "collapse" into (or "cause") a singular (complimentary) "space-energy", "mass"-time" target value!?!; Instead, the physical universe is being continuously "created"- "dissolved"- re-created- and evolved so many Billions of times each second by the singular, higher-ordered "Universal Computational/Consciousness Principle" (UCP) which constitutes the sole reality behind the manifestation of the apparently physical universe!.

**2. A New "Universal Consciousness Reality" (UCR) Based Universe!**

This basic revision of Twenty-first century Theoretical Physics from the Old "Material-Causal" Paradigm to the New "G-d's Physics" "A-Causal Computation" Paradigm brings about a profound change in our conception of the true nature of the physical universe; First, in order to explain the manner in which this New "G-d's Physics" singular, higher-ordered "Universal Computational/Consciousness Principle" (UCP) simultaneously computes every exhaustive spatial pixel in the universe (for each consecutive UF's frame/s), a new "Universal Computational Formula" (UCF) was discovered which indicates that this singular UCP simultaneously computes the four basic physical features of "space" and "energy", "mass" and "time" based on two of the UCP's "Computational Dimensions", namely: "Framework" (frame/object) and "Consistency" – simultaneously for all exhaustive spatial pixels comprising the entire physical universe, for each consecutive UF's frame/s! Indeed, this newly discovered "Universal Computational Formula" (UCF) completely integrates – for the first time in Theoretical Physics history between these four basic physical features of "space" and "energy", "mass" and "time" as secondary integrated computational by-products of this singular higher-ordered UCP! Note that Einstein's General Relativity Theory (GRT) was only capable of unifying between "space" and "energy" – e.g., as a four-dimensional "Space-Time" continuum; between "energy" and "mass" – based on Einstein's famous "E=Mc<sup>2</sup>" "Energy-Mass Equivalence"; and somewhat associate between "mass" and "Space-Time" based on Einstein's Equations, e.g., indicating that "massive objects" "cause" a "curvature of Space-Time", and that this "curved Space-Time" "causes" (or determines) the "travelling-pathways" of these and "massive-objects" and other "less-massive objects"; In contrast, for the first time in Physics history, the New "G-d's Physics" Paradigm's newly discovered UCF portrays a "New Universe" – in which these four basic physical features are completely integrated based on the simultaneous computation of the

singular higher-ordered UCP of every exhaustive spatial pixels four basic physical features!

**Universal Computational Formula (UCF)**

$$\left. \begin{matrix} \text{c}^2 \\ - \\ \text{h} \end{matrix} \right\} = \frac{\text{s} * \text{e}}{\text{t} * \text{m}}$$

UF's {א...נ...כ}

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through ז" to "ח") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec<sup>-1</sup>.

It is also worthwhile to note that this newly discovered UCF also completely integrates between the properties of Relativity Theory (RT) and Quantum Mechanics (QM) – as can be clearly seen from the two respective Formats of this singular UCF:

As a matter of fact, both RT and QM are seen (for the first time) as "special-cases" within the new (broader) theoretical framework of this "G-d's Physics" New UCF: Indeed, further theoretical and empirical scientific research is needed to validate and quantify these "special cases" of RT and QM, e.g., just as the great Einstein predicted (e.g., for the fate of his Relativity Theory): When asked: does he think that (his) Relativity Theory would hold "true" 100 years forward, he answered (humbly): that he does not believe that Relativity Theory would hold valid as the ultimate truth in 100 years, but rather he wishes for Relativity Theory to become a "special-case" in a broader theoretical understanding! Quite amazingly, the discovery of the UCF does open new, broader horizons for the future development of Theoretical & Experimental Physics – including through its complete integration of the Four basic Forces (as published in one of the articles of this Special Issue)! Specifically, it was predicted that all of the known elementary particles in the Standard Model would be shown to be derived from the computational relationships described in this UCF – and indeed new yet un-discovered "elementary particles" would be discovered and verified empirically based on the mathematical relationships described in this novel UCF!

But, perhaps even more significant than this profound complete integration between the four basic physical features of "space" and "energy", "mass" and "time" as secondary-integrated computational properties of the singular higher-ordered UCP simultaneous computation of every exhaustive spatial pixel in the universe (for each consecutive UF's frame/s); and its complete integration of the Four basic Forces (Strong, Weak, Electromagnetic and Gravitational) as solely derived from the UCP's UCF – including the "special-cases" of each known (and to be discovered) "elementary particle" described by the Standard Model; is "G-d's Physics" two new specific "theoretical postulates" – namely: the the "Computational Invariance Principle" and the "Universal Consciousness Reality", which completely alter our basic conception and understanding of the true nature, dynamics and "Ultimate Goal" of the physical universe! According to the "Computational Invariance Principle", since only this singular, higher-ordered UCP exists uniformly and continuously – both "during" its simultaneous computation of every exhaustive spatial comprising the entire physical universe computed for each consecutive UF's frame; and also solely exists – without the presence of any physical universe "in-between" any two consecutive UF's frame/s; whereas the entire physical universe (and all of its constituent exhaustive spatial pixels) only exists "transiently" and "phenomenally" – "during" each consecutive UF's frame/s as solely computed by this UCP, but "dissolves" back into the singularity of the UCP "in-between" any two consecutive UF's frames; therefore the "Computational Invariance Principle" posits that only this singular higher-ordered UCP may be considered as "computationally-invariant", e.g., existing uniformly and permanently, whereas the entire physical universe may only be regarded as "computationally-variant" – i.e., existing only "transiently" and "phenomenally" "during" each consecutive UF's frame/s but ceasing to exist and "dissolving" back into the singularity of the UCP "in-between" any two consecutive UF's frames!?

Consequently, the (second) "Universal Consciousness Reality" theoretical postulate of the New "G-d's Physics" Paradigm of 21<sup>st</sup> century Theoretical Physics postulates that since the only permanent and continuous reality behind the universe is this singular higher-ordered "Universal Consciousness Principle" (UCP) – which also solely exists (without the presence of any physical universe) "in-between" any two consecutive UF's frames, therefore what truly exists is only a singular unitary "Universal Consciousness Reality" – which exists both "during" its computation of each consecutive UF's frame/s (of every exhaustive spatial pixel in the universe), as well as "in-between" any two consecutive UF's frame/s; and that in fact, the entire physical universe only represents a "transient-phenomenal" manifestation of this singular higher-ordered "Universal Consciousness Reality"! The key note to be noted, here is that the physical universe ceases to exist as a "solid-objective" material entity – instead being transformed

into a mere manifestation of the singular higher-ordered UCR! Consequently, our whole understanding of the true nature- origin- dynamics- and evolution- of the physical universe is undergoing a profound metamorphosis from the Old "Material-Causal" Paradigm underlying both Relativity Theory and Quantum Mechanics towards the New "G-d's Physics" realization that the universe does not exist "independently" of this singular higher-ordered UCR, but in fact is totally dependent upon this singular UCR and therefore that our whole studying and understanding of the origin- nature- dynamics- and evolution- of the universe must rely upon the intrinsic characteristics of this singular higher-ordered UCR! Specifically, it was discovered that the UCR operates based on "Ten Laws of Hierarchical Manifestation", which are herein outlined:

**a) The UCP's Three "Computational Dimensions": Framework, Consistency and Locus**

The first ("lowest") Law of Manifestation is the UCP's three "Computational Dimensions" of "Framework" (frame/object), "Consistency" (consistent/inconsistent) and "Locus" (global/local), which were shown to produce the four basic physical features of "space" and "energy" (i.e., "frame-consistent" or "frame-inconsistent") or "mass" and "time" (e.g., "object-consistent" or "object-inconsistent") computational measures. This means that the UCP's basic computation of the four basic physical features of the physical universe of "space" and "energy", "mass" and "time" are seen to merely represent different computational combinations of the UCP's (UCR's) two Computational Dimensions (Framework and Consistency – with the third "Locus" Computational Dimension qualifying these four basic physical features depending on the particular point of view of the "observer", e.g., from within the measured phenomenon or from the perspective of the entire UCP's frame etc.).

**b) The UCP's "Universal Computational Formula" (UCF): Complete Integration of Space, Energy, Time & Space**

The "second" (ascending) UCP's Law of Manifestation is its "Universal Computational Formula" (UCF) which completely integrates those four basic physical features of "space" and "energy", "mass" and "time" – due to the UCP's simultaneous computation of each of those exhaustive spatial pixel's four basic physical features! We find that due to the fact that the UCP simultaneously computes all of those four basic physical features simultaneously for each exhaustive spatial pixel therefore the UCP's "Universal Computational Formula" (UCF) describes the manner in which these four basic physical features are computed simultaneously (for each exhaustive spatial pixel comprising every consecutive UF's frame/s)! As explained previously, we find that this integrated simultaneous computation of the UCP – of those four basic physical features implies that they are truly not "separate" or "independent" of each other, but rather represent integrated- and (in fact)

"complimentary" secondary computational "by-products" of the same singular UCP's computation of every exhaustive spatial pixel (in the universe), in terms of its "Object"/"Frame" – "Consistent"/"Inconsistent" computational measures; As explained previously, for instance, the well-known relativistic "laws" (and relationships), such as between an object's relativistic speed and its increase in "mass" or "dilation of time" – may be easily explained based on the UCP's simultaneous and integrated computation of any given object's (increased) "Object-consistent" ("mass") value and its (decreased) "Object-inconsistent" ("time") value, or between an object's (increased) "Frame-inconsistent" ("energy") value and its (increased) "Object-consistent" ("mass") value; this is due to the fact that the UCP's computational definitions of any give (exhaustive) spatial pixel's "Object-consistent" ("mass") is converse to its computational definition of that spatial pixel's "Object-inconsistent" ("time"), and likewise due to the UCP's computational definition of any given (exhaustive) spatial pixel's "Frame-inconsistent" ("energy") value is necessarily conversely related to its computational definition of that spatial pixel's "Object-consistent" ("time") value, due to certain UCP's computational constraints set on the "maximal degree of displacement" possible of any given object (e.g., in terms of the number of spatial pixels it may be displaced across any two given consecutive UF's frame/s!) Indeed, in this manner the discovery of "G-d's Physics" "Universal Computational Formula's" complete unification of the four basic physical features of "space" and "energy", "mass" and "time" (as "Frame"-consistent/"inconsistent" and "Object"-consistent/"inconsistent" computational measures) has led not only to the unification of key relativistic and quantum features as integral computational aspects of the UCF, but (perhaps more significantly) also led to a complete unification of space, energy, mass and time as secondary computational integrative aspects of the same unitary singular UCR, including its replication and explanation of key Relativistic and Quantum "law" and relationships such as the "Energy-Mass Equivalence", the "curvature of Space-Time by mass" the "dilation of time" for "relativistic observers" (or for "massive objects") etc. Indeed, one of the recent "striking" new discoveries made through this UCF is its potential accounting for all known (and to be discovered) elementary particles predicted by the Standard Model – as merely representing different computational values embedded within this UCP's "Universal Computational Formula"; as well as unifies between the four basic forces (Weak, Strong, Electromagnetic and Gravitational)! Nevertheless, as pointed out above (and previously), "G-d's Physics" realization of the "Computational Invariance Principle" and especially of the "Universal Consciousness Reality" (UCR) teaches us that none of these "transient-phenomenal" "particles", or "forces" or even four basic physical features (of "space" and "energy", "mass" and "time") may be regarded as "real" continuous "independent" material entities – but are now only seen

as transitory manifestations of the singular higher-ordered UCR!

**Universal Computational Formula (UCF):**

$$\left. \begin{matrix} \text{׳} \\ c^2 \\ - \\ h \end{matrix} \right\} \text{UF's } \{\aleph \dots \aleph \dots \aleph\} = \frac{s * e}{t * m}$$

(Note: herein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("׳") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through "ז" to "ת") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c<sup>2</sup>/h" = 1.36<sup>-50</sup> sec!).

**c) The UCP's Supra Spatial-Temporal Reservoir: Multiple Possible Future/s!**

The next "rung" UCP's "Hierarchical-Law of Manifestation" relates to the UCP's computation of all possible "past", "present" and multiple possible "future/s" UF's frame/s which are contained within the UCP's "Multi Spatial-Temporal Reservoir"! Indeed, according to "G-d's Physics" New Paradigm, since there cannot exist any direct (or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different-UF's frames – but rather the UCP simultaneously computes all of these exhaustive spatial pixels comprising each consecutive UF's frame/s; therefore there exists a "bank" of all "past", "present" and multiple possible "future/s" UF's frame/s which are computed by the UCP and stored within it – which in turn are dependent upon still higher "rung" "Hierarchical-Laws of Manifestation", i.e., such as the "Dynamic-Equilibrium Moral Principle"! It is nevertheless noteworthy to mention (at this point) that this UCP's "Supra Spatial-Temporal Reservoir" transcends "space" and "time" – as it includes all "past", "present" and multiple possible "future/s" UF's, and also that it exhibits a "unitary-integrative-singular" Reality which encompasses all past, present and multiple future/s UF's as a singular Reality which is associated and indeed being affected by yet higher "rungs" of the UCP's "Hierarchical Laws of Manifestation"!.

#### d) The UCP's "Dynamic-Equilibrium Moral Principle"

The next ("higher-up") "Hierarchical Law of Manifestation" is the "Dynamic-Equilibrium Moral Principle" which essentially describes one of the basic intrinsic propensities or characteristics of the "Universal Consciousness Reality" (UCR) which relates to its basic "Unitary-Harmonious" nature; i.e., since there exists only one singular higher-ordered UCP/UCR – which exists both "during" it's (simultaneous) computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s and also solely exists (without the presence of any physical universe) "in-between" any two consecutive UF's frame/s, and since this unitary and singular UCR possesses an intrinsic propensity to encourage all "Individual Human Consciousness" (e.g., human beings) to realize their "inseparability" from this singular higher-ordered "Unitary-Harmonious" UCR; therefore the "Dynamic-Equilibrium Moral Principle" represents the UCP's intrinsic tendency towards "balancing" any "moral-injustice" or "immoral choice" made by any given Individual Human Consciousness towards another Individual Human Consciousness! Metaphorically speaking, in the same manner that a healthy human-being would never use their "right hand" to "inflict pain" upon their "left hand" (because they are part of the same human-being), so does this UCP's "Dynamic-Equilibrium Moral Principle" operate to "teach" and "correct" any given Individual Human Consciousness (e.g., person) who opts to inflict "pain" or "suffering" (G-d forbid) upon another Individual Human Consciousness to not repeat such "immoral-choice/s or action/s" based on its computation of an "equivalent negative (pain/suffering)" experienced by the same Individual Human Consciousness that decided to inflict pain upon another Individual Human Consciousness... This means that to the UCP's "Dynamic-Equilibrium Moral Principle" selects one of the multiple possible "future/s" for each Individual Human Consciousness based on its "moral/immoral" choice/s and action/s executed towards any other Individual Human Consciousness – in order to "balance" any "immoral choice/action" so that that Individual Human Consciousness that chose ('G-d forbid') to inflict pain upon another Individual Human Consciousness would have to "experience" (itself) such a "negative experience" (e.g., of the same degree of "pain"/"suffering" that it inflicted upon the other Individual Human Consciousness). Indeed, as mentioned above (and previously) the "Trampoline-Metaphor" was given wherein if a "metal-bar" was placed on the elastic sheath of a Trampoline such that it "connects" two points (equivalent to two Individual Human Consciousness), and to the extent that one of these two points "chose" to "push and press hard" the metal-bar against the other point – then this would inevitably lead to the other point automatically "pushing back" the metal bar against the "first-point" (which would be a representation of the Dynamic-Equilibrium Moral Principle's "balancing" of any "immoral-choice" made by one Individual Human

Consciousness against another Individual Human Consciousness that "automatically" sets in motion the UCR's "balancing" and "teaching" that "inflicting-pain" Individual Human Consciousness having to experience the same "degree" of "pain/suffering" that it inflicted upon the other Individual Human Consciousness)... We therefore see that the selection of one of multiple possible "future/s" UF's for each Individual Human Consciousness is carried out by the UCR – based on the "moral/immoral choice/s" executed by any Individual Human Consciousness at any given point in time towards any other Individual Human Consciousness! (Obviously, such "incomprehensible" , "infinite" Intelligence implied by this UCR's "infinite" capacity to compute and "balance" all of the almost either Billion Individual Human Consciousness towards any other Individual Human Consciousness at any past, present or indeed future/s time/s – may invoke a sense of "wonderment", "awe" and even "reverence" towards this UCR's "Infinite Intelligence" and also its basic "All-Goodness" propensity to "teach" and "harmonize" all Individual Human Consciousness to "respect" and regard any other Individual Human Consciousness as "inseparable" from the same singular higher-ordered "Universal Consciousness Reality"...).

#### e) The UCP's "Expansion of Consciousness" (Inanimate & Animate) Hypothesis

But, even beyond the UCP's "Dynamic-Equilibrium Moral Principle", which computes one of multiple possible "future/s" UF's frame/s for each Individual Human Consciousness based on each Individual Human Consciousness' "selection" of "moral/immoral choice/s" at each point in time, there exists a more general tendency of the UCP to express ever more "expansive" forms of Consciousness – i.e., from the inanimate forms of "matter" (e.g., including all relativistic and quantum subatomic "particle/s" or "wave", the Four Forces of Nature etc.) through animate: plants, animals and leading up to human-beings (which manifests the most "expansive" form of Consciousness! Even within this most advanced and "Expansive" form of Individual Human Consciousness (e.g., human-beings) there exists a further "Expanded form of Human Consciousness" – in which the Individual Human Consciousness is "inseparable" from the Universal Consciousness Principle (UCP or UCR), which was previously outlined; In this "expanded" form of Individual Human Consciousness the "expanded Human Consciousness" functions in a manner which is equivalent to the functioning of the UCR (e.g., in some respects, at least) – which implies that such "Expanded Individual Human Consciousness" can cognize- know- and even affect- any exhaustive spatial pixel/s in the universe (simultaneously and pertaining to any "past", present" or multiple possible "future/s" UF's frames)! Indeed, as previously outlined this "Expansion of Consciousness" hypothesis implies that there does not exist any real "separation" between the UCP's "driving" of the evolution of Inanimate forms (e.g., relativistic or quantum – including

the accelerated expansion of the universe and all Four Forces, basic particles etc.) towards its more expansive expression of animate forms – including the whole presentation of ever more conscious forms of animate: plants, animals and human-beings and up to the most "expanded form of Individual Human Consciousness! Hence, for the first time, Science's New "G-d's Physics" 21<sup>st</sup> Century Paradigm "bridges the (apparent) gap" between its various sub-disciplines of Physics, Biology and Psychology etc., as comprising one fully integrated process allowing the UCP to express ever more "conscious" and "expansive" forms of manifestation!.

**f) The UCP's "Collective Human Consciousness Focus Hypothesis" & Jewish "Rosh-Hashana" (New Year) Non-Continuous Accelerated Expansion Rate Prediction**

The next higher-up "rung" of the Hierarchical Laws of Manifestation is the "Collective Human Consciousness Focus" (hypothesis) which essentially points out that there exists a close connection between a state in which a multitude group of Individual Human Consciousness all focus collectively upon the singular higher-ordered UCP/UCR – in prayer to be "connected" or receive "plentitude" from this singular higher-ordered UCP/UCR, which brings about a "Blessing" or "Plentitude", "Life", "Growth", "Goodness" from this singular higher-ordered UCP/UCR! This "Collective Human Consciousness Focus Hypothesis" explains in what manner this singular higher ordered UCR bestow "Growth", "Expansion", "Life" or "Goodness" upon all of Humanity, and even towards the accelerated expansion of the physical universe! In other words, beyond the previous "Dynamic-Equilibrium Moral Principle's" account of the UCP/UCR's selection of one of multiple possible "future/s" UF's frame/s for each Individual Human Consciousness – in order to "balance" and "teach" each such Individual Human Consciousness to recognize it's inherent "oneness" and "unitary-harmony" with all other Individual Human Consciousness based on their common "inseparability" from this singular higher-ordered UCR and its intrinsic basic "Moral Principle"; Beyond that there arises the question – what may "drive" the UCR's singular higher-ordered Reality to evolve the entire universe and particularly our own Human World and lives and continuously bestow "Life", Health", "Sustenance", "Goodness" to continue to sustain and evolve our physical existence and needs (material and spiritual etc.), as well as sustain and evolve the whole of Life, the various Suns, Galaxies and Universe at large?! Once again, we must remember that according to the New "G-d's Physics" Paradigm, we cannot (any longer) look towards any "material-causal" direct or indirect physical interactions between any two (or more) exhaustive spatial pixels, but rather must look at these higher-ordered "Hierarchical Laws of Manifestation" in order to be able to understand and "explain" the UCR's continuous computation- "dissolution" and evolution of every exhaustive spatial pixel comprising every

consecutive UF's frame/s! Indeed, according to this "Collective Human Consciousness Focus Hypothesis" and associated Jewish "Rosh-Hashana" (New Year) "Non-Continuous Accelerated Expansion of the Universe" one of the "reason/s" for the singular higher-ordered UCR's continuous computation- sustenance- and evolution- of the entire physical universe is anchored in- or related to- a State of "Collective Human Consciousness Focus" towards this singular higher-ordered UCR, in which many millions of Individual Human Consciousness direct their focus and Consciousness collectively towards this UCR and pray for the bestowal of "Goodness, "Life", Happiness" etc.!.

Indeed, according to one of the unique "Critical Predictions" differentiating the new "G-d's Physics" from the Old "Material-Causal" Paradigm is this particular prediction wherein there will be a "Non-Continuous Accelerated Expansion Rate" at the Jewish Rosh-Hashana (New Year) time-interval wherein the accelerated rate of the universe's expansion rate – observed in each Jewish Year prior to the "Rosh-Hashana" (New Year) will increase in a non-continuous rate ("leap") at the special "two-day" time interval of the New Rosh-Hashana time (and continue at this increased accelerated rate throughout the New Jewish Year) – due to the abovementioned "Collective Human Consciousness Focus Hypothesis", wherein Millions of Jews all over the world pray at this time to the singular higher-ordered UCR, "G-d" for providing them and the world with Life, Health, Growth etc.!.

**g) The UCP's "Reversed-Time Goal Hypothesis" ("Geula")**

Indeed, the discovery of the UCP's "Non-continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana" special "time-interval" and the UCP's basic "Good-Will" propensity to bestow "Life", "Health", "Happiness", "Fulfilment" is closely related to the UCP's basic "Goal" in creating- sustaining- and evolving the entire physical universe, the "Expansion of Consciousness" (e.g., including the development of inanimate, animate" plants, animals, human-beings) – all "designed" and "planned" to culminate in the leading up to another "higher" "Hierarchical Law of Manifestation" of the UCP which is called: the UCP's "Reversed-Time Goal (Geula) Hypothesis"! According to this "Reversed-Time Goal Hypothesis (Geula), the UCP's entire series of UF's frames – from the beginning of the manifestation of the inanimate physical universe through its various expressions of ever more expansive forms of animate: plants, animals and human-beings etc. – is all planned and designed initially to lead to the universe's "Perfect Geula" State: Physically, Morally and Spiritually! Indeed, as outlined previously, this Perfected State of "Geula" (e.g., a term signifying complete "Redemption" and "Perfection" in the Jewish Tradition) represents a state of the world in which there exists complete "harmony", "peace", and a basic recognition and gratitude of human-beings towards the basic underlying

singular "All-Goodness" "UCR, i.e, "G-d" Reality which continuously sustains and evolves all of Life and the entire universe; Tis state is also typified by the lack of any "violence" or "aggression, the abolishment of "death" and complete peace, harmony and a deep sense of gratitude and appreciation, prayer and studying of this singular higher-ordered Universal Consciousness Reality, "G-d"!

#### **h) The UCP's "Good-Will" Hypothesis**

The next "higher-up" "Hierarchical-Law of Manifestation" is the basic intrinsic propensity of this singular higher-ordered UCP/UCR of "Good-Will" (hypothesis) which characterizes the UCP's basic "drive" to bestow "Goodness", "Life", "Growth" towards all of Life! This basic "Good-Will" propensity of the singular higher-ordered UCR manifests in its basic sustenance and Life-Giving force to create Life, sustain all of Life, fulfill the basic needs and beyond that create ever more "expansive" opportunities for Life in general and human-beings (in particular) to grow and evolve, to fulfil their full potential and to expand their Moral and Spiritual awareness towards appreciating the Oneness and Singularity of this Universal Consciousness Reality.

#### **i) The UCP's "Free-Will" Hypothesis**

Above and beyond all of these UCP's various "Hierarchical Laws of Manifestation" the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Theoretical Physics and Science postulates that there exists the most basic "Free-Will" of the UCP – unbound by any "limits" of its creation of the physical universe and all of its various inanimate and animate forms, unaffected by any of the multifarious manifestations of the universe and which transcends even its own "ultimate Goal of Geula"! This entirely "Free-Will" origin of the UCP, nevertheless "cares" about the "Goodness" of Human-beings and all of Life; this is also where the Jewish concept of an unlimited "Compassion and Forgiveness" (e.g., Thirteen Propensities of Mercy") of this UCP manifests and where the basic Jewish concept of "Teshuva" – the ability to ask for "forgiveness" from this singular UCR, "G-d" and to make a "sincere conscious decision" to "not repeat any immoral actions" is made possible (which was also shown to be capable of "altering" and indeed "avoiding" any of the negative possible "multiple future/s" instigated by any Individual Human Consciousness selection of any "immoral action/s", G-d forbid)!

So, we reach the inevitable conclusion that the physical universe does not exist as an "independent" "material-causal" entity; it was not created by an initial "Big-Bang" nuclear event; nor is it governed by mere "material-causal" physical interactions between certain "massive objects" and their (assumed "causal") "curvature of "Space-Time"; nor is it's accelerated rate of expansion "caused" by purely hypothetical "dark-matter" or "dark-energy" concepts; Nor its subatomic realm determined based on direct (or even indirect) physical interactions between any given subatomic "probe" and corresponding

"target's probability wave function" entities – which is assumed to "cause" the "collapse" of these "target's probability wave function" into single ("complimentary" space-energy or time-mass) single value! Nor can we explain the behavior of the "Four (basically assumed) Forces" (e.g., Strong, Weak, Electromagnetic and Gravitational) based on any direct physical interaction/s between particular rudimentary subatomic particles (as the Standard Model assumes)!? Instead, the New "G-d's Physics" "A-Causal Computation" Paradigm discovered the existence of a singular higher-ordered "Universal Computational Principle" – later on revealed to constitute a "Universal Consciousness Reality" (UCR) which simultaneously computes all exhaustive spatial pixels in the universe for every consecutive UF's frame/s at the incredible rate of " $c^2/h$ " =  $1.36^{50}$  sec! Moreover, the New "G-d's Physics" Paradigm's discovery of the existence of the singular higher-ordered UCR which exists continuously and constantly – both "during" its (simultaneous) computation of every consecutive UF's frame/s and also solely exists (without the presence of any physical universe) "in-between" any two such consecutive UF's frames has led to a profound fundamental Paradigmatic-Shift in our basic understanding of the nature, origin, dynamics and evolution of the entire physical cosmos! This is because the basic realization that the physical universe does not exist (any longer) as an "independent material" entity – but only as a "transient-phenomenal" manifestation of the singular continuous and "real" and "permanent" underlying "Universal Consciousness Reality" – which is governed based on its own intrinsic "Ten Laws of Hierarchical Manifestation" transforms the whole of Science and our basic understanding of the physical universe!.

#### **1. A "Reversed-Time Goal Hypothesis" "Geula-Directed" New Science & Universe!**

So, it seems that both Physics (specifically and Science, more generally) is undergoing a Major "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying Relativity Theory and Quantum Mechanics to the New "G-d's Physics" "A-Causal Computation" Paradigm which completely revises and transcends the Old "Material-Causal" basic assumption: That is, the universe was not created by an initial "Big-Bang" nuclear event because there could not have been any "cause and effect" physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the first- second- third- etc. UF's frame/s! Rather, the entire physical universe is being computed- "dissolved"- and re-computed- for each consecutive UF's frame/s, so there cannot exist any (direct or even indirect) "material-physical" interaction/s in any single- or multiple- UF's frame/s between any relativistic or quantum entities, elements, or even forces! Instead, the whole universe is being created- "dissolved"- re-created an evolved- so many billions of times per second solely by this singular higher-ordered Universal Computational/Consciousness Principle! Indeed, as indicated above, Twenty-first

Century Theoretical Physics (and Science more generally) has to revise its basic understanding of the true nature- and dynamics- of the entire physical universe such that the origination, sustenance and evolution of the universe cannot be explained from "within", i.e., including the negation of the hypothetical existence of "dark-matter" and "dark-energy" as "superfluous" (non-existence!) as "causing" the accelerated expansion of the universe – but rather as being propelled, computed, "dissolved", re-created and evolved solely by the abovementioned "Ten Laws of Hierarchical Manifestation"! The universe is being created continuously based on the singular higher-ordered UCP's Ten-Laws of Hierarchical Manifestation, which means that it is not constrained by any direct (or indirect) "material-causal" physical interactions but is rather directed solely by the UCP's intrinsic characteristics such as its "Goodwill", "Free-will", etc.

Indeed, the New "G-d's Physics" Paradigm reveals to Science that contrary to the Old "Material-Causal" Paradigm's basic assumption wherein the whole origination, dynamics and evolution of the entire physical universe is based on direct, "chance"-driven physical interactions between certain "massive objects" which "cause" the "curvature of space-time", or between certain given subatomic "probe" and "target's probability wave-function" elements which "causes" the "collapse" of this target's "probability wave function"; according to the New "G-d's Physics" Paradigm the universe is being continuously computed- "dissolved"- re-computed and evolved- solely based on the UCP's "Ten Laws of Hierarchical Manifestation" – amongst which the UCP's "Reversed-Time Goal "Geula" Hypothesis" is central: According to this "Reversed-Time Goal "Geula" Hypothesis, the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) or "Universal Consciousness Reality" (UCR) initially created- and is continuously (and constantly) creating the universe (so many Billions of times per second) solely based on its "intrinsic drive" to lead the universe towards its ultimate, e.g., "Moral", "Spiritual" and even "Physical" Perfected State! A State of complete recognition of the oneness and unity of all creation with this singular UCP (or UCR), a State of complete "harmony" and "peace", resulting from one of the other Ten Laws of Hierarchical Manifestation, i.e., the "Dynamic-Equilibrium Moral Principle", which essentially states that since all Human Consciousness truly comprise integral ("inseparable") elements of the singular higher-ordered Universal Consciousness Reality, then this singular UCR continuously "strives" towards "balancing" or "correcting" any "immoral-balance" created by any "immoral choice" made by any given Individual Human Consciousness towards another Individual Human Consciousness – which therefore "selects" one of multiple possible future/s by the UCP for any such Individual Human Consciousness in order to "correct" any "immoral-choice" that it has made (e.g., by "experiencing" an "equivalent situation" etc. which will

make it realize its intrinsic "oneness" with any other Individual Human Consciousness as constituent elements within the oneness of the Universal Consciousness Reality)!

Thus, according to this New "G-d's Physics" Paradigm, the singular higher-ordered UCR has created- and is continuously creating- the entire physical universe solely for the purpose of manifesting ever more expansive forms of this Universal Consciousness Reality: from "inanimate" matter through "animate": plants, animals, human-beings – and up to the ultimate "Geula-Goal" of the completely Perfected Moral, Spiritual and Physical State, in which the oneness and unity, peace and harmony of this singular UCR will be acknowledged and realized by Humanity and Science! Therefore, the universe was not created by an initial "random" nuclear "Big-Bang" event, nor is it driven towards a complete "dissolution" of all the suns, galaxies as predicted by the "Second Law of Thermodynamics", nor does the origination and evolution of the various Life-forms on our planet being directed by a random "Natural Selection Principle" (as predicted by Darwin): rather the universe is being continuously created- "dissolved" recreated and evolved (simultaneously) at each of its constituting exhaustive spatial pixels solely by the continuous operation of the singular higher-ordered UCR from the "beginning" only in order to manifest ever more expansive manifestations of this singular higher-ordered UCR towards its ultimate "Perfected Geula State", in which the sole presence and creation of all of the elements and beings in the universe will be realized to comprise integral parts of this singular higher-ordered Universal Consciousness Reality, and in which our "moral responsibility" of acting and making "moral-choices" towards our other fellow human-beings will become a key recognition by Twenty-first Century Science!.

### **3. From the Old "Material-Causal" Paradigm to the New "G-d's Physics" Universal Consciousness Reality's "Cosmic Dance" Towards the Perfected "Geula" State!**

We therefore reach the conclusion of this Special Issue and consuming article (within it); with a "breathtaking"(exciting) complete new understating of the true nature- origin- dynamics- and evolution- of the entire physical universe! It signifies a profound new change and fundamental metamorphosis from the Old "Material-Causal" Paradigm of Relativity Theory and Quantum Mechanics to the New "G-d's Physics" Paradigm that portrays a universe that does not exist as any "material-objective" reality, but only exists as a "transient-phenomenal" manifestation of the singular higher-ordered "Universal Consciousness Reality" (UCR) that continuously creates- dissolves- recomputes and evolves every exhaustive spatial pixel in the universe at the unfathomable rate of  $c^2/h = 1.36^{-50}$  (sec)! It is an entirely New Universe – one that was not created by any initial "Big-Bang" nuclear event, is not driven by

Einstein's Equations' "material-causal" assumption (e.g., assuming that the dynamics of the universe is dictated by a "material-causal" direct physical interaction between certain "massive-objects" and their "curvature of Space-Time" or conversely in which the determination of the "travelling-pathways" of those massive or less-massive objects is "caused" or determined by the "curvature of Space-Time by those massive objects); is not operating at the subatomic scale based on direct "material-causal" physical interactions between subatomic "probe" and corresponding subatomic "target's (assumed) probability wave-function" entities – which is assumed to "cause" the "collapse" of this "target's probability wave-function" into a single (complimentary) "energy-space", "time-mass" value; The Universe's accelerated expansion rate cannot be attributed to any (purely hypothetical) "Dark-Matter" and "Dark-Energy" entities – which fail to be detected empirically (despite numerous attempts to do so), but is rather explained solely based on the existence and operation of the singular higher-ordered "Universal Consciousness Reality" (UCR) which continuously computes- dissolves- re-computes- and evolves every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{-50}$  (sec)!".

Specifically, one of the unique "Critical-Predictions" of this New "G-d's Physics" Paradigm of 21st century Theoretical Physics – for which this Special Issue is explicitly calling all Cosmologists and Astronomers to test in this upcoming Jewish "Rosh-Hashana" New Year (on September 7th and 8th, 2021), is that during this special "two-days" time, due to the "Collective Human Consciousness Focus Hypothesis" postulate of "G-d's Physics" (CUFT) New Paradigm – there will be a "Non-Continuous Accelerated Expansion of the Universe" (NCAEU-JRH)! In other words, the accelerated expansion of the universe – is not "continuous", e.g., does not remain at a constant steady rate, as predicted by the Old "Material-Causal" Paradigm (of RT & QM) as "caused" by the purely hypothetical (and undetectable!) "Dark-Matter" and "Dark-Energy" entities; but is rather "Non-Continuous" and undergoes such Non-Continuous "leaps" – at each consecutive Jewish "Rosh-Hashana" (New Year) special time-intervals in which Millions of Jews focus on this singular higher-ordered "Universal Consciousness Reality", e.g., "G-d"! which brings about the UCR's "Non-Continuous Accelerated Expansion of the Universe! It is important to note that this unique "Critical Prediction" of the New "G-d's Physics" Paradigm signifies and consumes the new profound change in Science's new perspective of the physical universe; This is because instead of the universe being created by a "random" initial nuclear "Bog-Bang" event, being expanded by the arbitrary existence of (purely hypothetical – and indeed "non-existent"!)" "Dark-matter" and "Dark-Energy" concepts, or being governed by completely "random-statistical" direct physical interactions between subatomic "target's probability wave-function" and corresponding "probe" entities; or being (aimlessly) "dissipating" into ever-increasing

"entropy" (e.g., extinguishing all suns, galaxies, life etc.)... the New "G-d's Physics" portrays an entirely new (and highly promising) theoretical perspective and understanding of the origin- nature- true underlying dynamics and "Ultimate-Goal" of the Universe's evolution – and all of the Life-forms found on our special planet!.

The universe was not created "by chance" – through direct "material-causal" interactions between an initial "Big-Bang" nuclear event and the (random) formation of suns, galaxies, our own planet Earth, space, time etc. Likewise, the accelerated expansion of the universe, as well as the evolution of the various Life-Forms leading to Human-Beings possessing the most "expansive" form of Consciousness cannot be explained by any "random" "material-causal" interactions between (non-existent) "Dark-Matter" and "Dark-Energy" and their "expulsion" of the galaxies; or by Darwin's "random" "Natural-Selection Process" assuming "random" genetic mutations "caused" by direct physical interactions between certain "cosmic-rays" and given genetic material of a given organism, and consequent "survival-advantage" of those "genetically-mutated" organism/s and an exhaustive set of "Environmental-Factors"! These various Old "Material-Causal" assumptions – must be discarded and replaced by the New "G-d's Physics" Paradigm's insistence upon the simultaneity of the UCP's computation of every exhaustive spatial pixel in the universe for each consecutive UF's frame/s, and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frames back into the singularity of the UCP (or UCR)! Rather, there exists only one singular higher-ordered Universal Consciousness Reality (UCR) which continuously creates (computes) simultaneously every exhaustive spatial pixel in the universe (at the incredible rate of " $c^2/h = 1.36^{-50}$  sec!"); "dissolves", then re-creates and evolves every such exhaustive spatial pixel and the entire universe – all based on its "Ten Laws of Hierarchical Manifestation" (listed above), all aimed towards manifesting ever more expansive forms of "inanimate", "animate": plants, animals, Human-Beings – and ultimately leading Humanity (and Science) towards the Perfected "Geula-State" of the World in which there will be a complete unification of the four physical features (of "space", "energy", "mass" and "time") the Four Forces of Nature, pointing at the singularity of this higher-ordered Universal Consciousness Reality and its intrinsic "Dynamic-Equilibrium Moral Principle"; leading Humanity and Science towards a recognition and studying of the Oneness of all creation, all forms of life all inanimate and animate forms, all of Humanity – as integral harmonious and unified aspects of the singular higher-ordered Universal Consciousness Reality, therefore also leading a Life of complete Harmony, Peace and Unity of all Human-Beings, and appreciation, gratitude and love towards that singular "All-Goodness" UCR, i.e., "G-d"!

*It therefore may be fitting to quote the Great Maimonides Jewish Sage who prophesized that at this Ultimate-Geula Time "the whole of Humanity's occupation would be the studying, and realization of the Oneness of "G-d", and that the (scientific) knowledge would all point at this Magnanimous Singular G-d Reality!"*

## DEDICATION

This article is dedicated to the Great Lubavitcher Rabbi whom I'm his "Shaliach" (Messenger), whose Message to the World is the Perfection of the World and Humanity in the Perfected "Geula" State of the World, may this consuming article of this Special Issue constitute a cornerstone in this inevitable "Geula" of the World... It is dedicated to my dear beloved daughter Neomy, Tirzah Shulamit whose birthdate is today, 15th of Tamuz, may she grow to become a wonderful holy Jewish daughter, woman and mother (herself) in a Geula Perfected world that recognizes, studies and worships this singular Higher G-d Reality! It is indeed by "Hashgaha Pratit" (Personal Providence) that this consuming 15<sup>th</sup> article of this Special Issue is submitted for publication on this special date of Neomy Tirza Shulamit's birthdate which constitutes a special day in the Jewish Calender the 15th of Tamuz!

It is also dedicated to my dear beloved wife Shulamit (Shuli) Bentovish whose love and support have allowed me to bring this new Light of Scientific Understanding of "G-d's Physics" to the World!

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## "G-D'S PHYSIC'S" TEN HIERARCHICAL DIMENSIONS' UNIVERSAL COMPUTATIONAL FORMULA": UNIFYING ALL FACETS OF THE UNIVERSE!

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**\*Note:** Dr. Bentovish is seeking scientific collaboration and validation of this New CUFT's 'G-d's Physics' Paradigm's empirical "critical predictions" involving precise Astronomical /Cosmological Measurements as well as time-sensitive Accelerators validations.  
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### ABSTRACT

Twenty-First century Theoretical Physics is undergoing a major profound "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying both Relativity Theory (RT) and Quantum Mechanics (QM) to the New "G-d's Physics" (Computational Unified Field Theory, CUFT) Paradigm, due to the apparent "theoretical-inconsistency" that seems to exist between RT & QM and the Old Paradigm's inability to explain the accelerated expansion of the universe, e.g., assumed to be accounted for by the purely hypothetical "dark-matter" and "dark-energy" concepts which cannot be detected empirically. The New "G-d's Physics" Paradigm is based on the discovery of a singular higher-ordered "Universal Computational Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe at the unfathomable rate of " $c^2/h = 1.36^{-50}$  sec" thereby producing an extremely rapid series of "Universal-Frames" (UF's) comprising the entire physical universe at every consecutive minimal "time-point". Previously, this New "G-d's Physics" Paradigm delineated a novel "Universal Computational Formula" (UCF) shown capable of unifying between RT & QM, as well as between the four basic physical features of "space", "energy", "mass" and "time"; In this article a New Universal Computational Formula is discovered and outlined which indicates that the singular higher-ordered UCP utilizes "Ten Hierarchical Dimensions" aimed at accomplishing the UCP's sole "Ultimate Geula Goal" of advancing the whole universe from animate through "inanimate" forms: plants, animals and human-beings towards the desired Perfected: Moral, Spiritual and even Physical "Geula State" in which Humanity and Science will recognize the sole existence of this singular higher-ordered "Universal Consciousness Reality" (UCR) and lead a harmonious, peaceful and reverent life based on the UCP/UCR's discussed "Ten Hierarchical Dimensions" manifested through the New Universal Computational Formula!

### 1. Introduction: Twenty-first century's physics "Paradigmatic-Shift"!

Twenty-first Century Theoretical Physics finds itself in an "impossible" state in which the two basic "pillars" of Modern Physics, e.g., "Relativity Theory" and "Quantum Mechanics" seem "theoretically inconsistent", up to 95% of all of the mass and energy in the universe cannot be directly "detected" – instead assumed to comprise purely "hypothetical" concepts of "dark-matter" and "dark-energy", and there is an inability to unify between the four basic forces of Nature – i.e., particularly between gravity and the three other forces associated with the subatomic realm! Such a state of Physics obviously calls for a basic "Paradigmatic Shift" as previously described by the famous Philosopher of Science Thomas Kuhn in 1962 stemming from the fact that Science (and Physics) alternates between phases of "Standard Science" in which a particular Scientific discipline advances its knowledge based on the framework of a given "Standard Paradigm", and an alternative "Paradigmatic-Shift" phase in which the foundations of the "Old Standard Paradigm"

seem "inconsistent" of each other and there appear a series of "unexplained physical phenomena" which cannot be accounted for by the Old Standard Paradigm and therefore call for a "New Paradigm" that would be able to resolve the (apparent) "theoretical-inconsistency" between the "pillars" the Old Standard Paradigm, account for those "unexplained physical phenomena" and also predict new "Critical Prediction/s" which cannot be accounted for by the Old Standard Paradigm!

Precisely such a state of a "Paradigmatic-Crisis" existed in Theoretical Physics just prior to Einstein's famous 1905 "Annus-Mirabelus" year's discovery of (Special) Relativity Theory and its full acceptance in 1915 following the empirical validation of its unique "Critical Prediction" regarding Mercury's Perihelion's pathway's curvature (doubled value) caused by the Sun's curvature of the fabric of Space-Time around it! We now stand at the brink of precisely such a "Paradigmatic-Shift" in 21<sup>st</sup> Century Theoretical Physics with the discovery of the New "Computational Unified Field Theory" (CUFT)

called "G-d's Physics" Paradigm shown capable of resolving the apparent principle "theoretical-inconsistency" between Relativity Theory and Quantum Mechanics, alternatively explain the "unexplained phenomenon of "dark-matter" and "dark-energy" based on the discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe at the unfathomable rate of " $c^2/h = 1.36^{50}$  sec'!

Perhaps most apparent is this basic "theoretical crisis" calling for an immediate "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" (CUFT) Paradigm based on the "glaring" theoretical inconsistencies and unexplained phenomena existing in the Old "Material-Causal" Paradigm which specifically comprise:

- a) An apparent "theoretical inconsistency" between Relativity Theory's (RT's) strict "Speed of Light Barrier" and Quantum Mechanics (QM's) "Quantum Entanglement" phenomenon indicating that it may be possible for two "entangled particles" to *instantaneously* affect each other's complimentary physical properties, thereby violating RT's strict theoretical constraint upon the transmission of any signal (or information) across space and time!
- b) An inability of the Old "Material-Causal" Paradigm to account for the accelerated expansion rate of the physical universe – assumed to be explained by the purely hypothetical concepts of "dark-matter" and "dark-energy" which are assumed to account for up to 95% of all the mass and energy in the universe, but which could not be detected empirically (despite numerous attempts to do so)!
- c) An inability to unify between the Four basic forces of Nature – specifically between the Gravitational Force (of General Relativity Theory) and the other three Quantum Forces (e.g., the Electromagnetic Force and the Strong and Weak Nuclear forces)! Once again this is a manifestation of the principle theoretical inability to unify between RT and QM as indicated by RT's conceptually "different" theoretical account of the Gravitational Force as derived from "massive objects" curvature of "Space-Time" (which, in turn, is assumed to "cause" or determine the "travelling-pathways" of those "massive objects" and other "less-massive" objects) as described by Einstein's Equations; and QM's "Standard Model" depicting and explaining the plethora of subatomic particles existing and specifically explicating the three other basic Forces (e.g., Electromagnetic Force and Strong and Weak Nuclear Forces) – as originating from the specific subatomic physical interactions of these subatomic particles. Metaphorically this apparent principle inability to unify between RT's Gravitational Force and QM's "Standard Model" could be likened to the principle inability to "unify" or "bridge" between "apples and oranges", representing two separate

and "different" entities which do not share any "common characteristics", thereby negating the very possibility of "unifying" them!?

## 2. "G-d's physics" new Twenty-first century's paradigm

In order to gain a clear theoretical understanding of the necessary "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" Paradigm let us briefly describe some of the key theoretical postulates of this New "G-d's Physics" Paradigm and the manner in which this New "G-d's Physics" Paradigm offers a new (exciting) explanation for all of the Old "Material-Causal" (abovementioned) apparent "theoretical inconsistencies" as well as identifies new unique "Critical Predictions" that differentiate it from the corresponding predictions of the Old "Material-Causal" Paradigm, thereby allowing for a clear empirical validation of this New "G-d's Physics" (CUFT) Paradigm as the new satisfactory Paradigm for 21<sup>st</sup> Century Theoretical Physics!

### a) The "Universal Computational/Consciousness Principle"

According to the New "G-d's Physics" Paradigm, there exists a singular higher-ordered Universal Computational/Consciousness Principle (UCP) which *simultaneously* computes every exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h = 1.36^{50}$  sec'(!) giving rise to an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every such "minimal time-point", wherein "in-between" any two such consecutive UF's frames the entire physical universe "dissolves" back into the singularity of this UCP! This UCP possesses three "Computational Dimensions", e.g.,: "Framework" ("frame" vs. "object"), "Consistency" ("consistent" vs. "inconsistent") and "Locus" ("global" vs. "local") – two out of which "Framework" and "Consistency" produce the four basic physical features of "Framework" – "consistent" ("space") or "inconsistent" ("energy") and "Object" – "consistent" ("mass") or "inconsistent" ("time) physical features that continuously and simultaneously compute any exhaustive spatial pixel in the universe for each consecutive UF's frame/s! Another key new discovery made by the New "G-d's Physics" (CUFT) Paradigm is its insistence that this singular higher-ordered UCP *simultaneously computes* all of the exhaustive spatial pixels in the universe for each consecutive UF's frame/s at the incredible rate of " $c^2/h = 1.36^{50}$  sec'(!); and that "in-between" any two consecutive UF's frames the entire physical universe and all of its constituting exhaustive spatial pixels "dissolve" back into the singularity of this singular higher-ordered UCP!

### b) "G-d's Physics" New "A-Causal Computation" Paradigm

Based on "G-d's Physics" New Paradigm's discovery that the singular higher-ordered UCP *simultaneously computes* all exhaustive spatial pixels comprising the

entire physical universe – for each consecutive UF's frame/s (and that "in-between" any two consecutive UF's frames the whole universe "dissolves" back into the singularity of the UCP), a new "A-Causal Computation" characterization of "G-d's Physics" New Paradigm is acknowledged: essentially, the simultaneity of the UCP's computation of all exhaustive spatial pixels (and their complete "dissolution" "in-between" any two consecutive UF's frame/s back into the UCP) means that there cannot exist any "material-causal" physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames! Rather, the same singular UCP computes simultaneously all exhaustive spatial pixels comprising the entire physical universe – which implies that there cannot exist any Relativistic or Quantum "material-causal" physical relationships, interactions, or effects! This negated many of the Old "Material-Causal" (20<sup>th</sup> Century Physics) Paradigm's basic assumptions underlying both Relativity Theory and Quantum Mechanics, including: the "Big-Bang" Model, Einstein's Equations, discarding of the hypothetical "dark-matter" and "dark-energy" concepts etc.

#### c) The "Computational Invariance Principle" & "Universal Consciousness Reality"

Another key new theoretical postulate of the New "G-d's Physics" Paradigm is the "Computational Invariance Principle" which posits that since only the UCP exists – continuously and consistently both "during" each consecutive UF's frame/s – solely computing (simultaneously) all exhaustive spatial pixels' four basic physical features of "space" and "energy", "mass" and "time", and also singularly exists "in-between" any two consecutive UF's frame/s (without the presence of the physical universe), therefore the "Computational Invariance Principle" theoretical postulate asserts that only this singular UCP may be regarded as "computationally-invariant" existing uniformly and "consistently" – both "during" its computation of each consecutive UF's frame/s and also "in-between" any two consecutive UF's frame/s, whereas the four basic physical features being computed for all exhaustive spatial pixels in the universe may only be regarded as "computationally-variant", e.g., existing only "transiently" and "phenomenally" ("during" each consecutive UF's frame/s but "dissolving" "in-between" any two consecutive UF's frames)! This new (profound) realization of the "Computational Invariance Principle" of "G-d's Physics" New Paradigm is also associated with another new theoretical postulate termed: the "Universal Consciousness Reality" (UCR) which posits that since the whole physical universe (e.g., and all of its constituting exhaustive spatial pixels) is only regarded as "computationally-variant" – existing only "transiently" "during" each consecutive UF's frame/s but "dissolving" back into the singularity of the UCR, whereas the singular higher-ordered UCP is considered to be "computationally-invariant" (existing continuously and consistently both "during" each consecutive UF's frame/s

as computing each exhaustive spatial pixel's four basic physical features of "space" and "energy", "mass" and "time", as well as solely existing "in-between" any two consecutive UF's frames without the presence of any physical universe); therefore there only exists one singular "Universal Consciousness Reality" which exists consistently and continuously – manifesting as the phenomenal physical universe "during" its computation of every exhaustive spatial pixel of each consecutive UF's frame/s and existing without the presence of the physical universe, in-between any two consecutive UF's frames! Indeed, this new "Universal Consciousness Reality" carries with it a profound alteration of our basic perception and understanding of the physical universe – which ceases to exist as an "objective-independent" reality, and it transformed into the new theoretical understanding that (in truth) the entire physical universe only represents a "phenomenal, transient manifestation" of this singular UCR!

#### d) The "Universal computational formula"

Based on "G-d's Physics" (CUFT) New Paradigm's discovery of the Universal Computational/Consciousness Principle (UCP) and its simultaneous computation of all exhaustive spatial pixels comprising each consecutive UF's frame/s it also revealed the existence of an integrated simultaneous computation of all the four basic physical features of "space" and "energy", "mass" and "time" as computed based on two out of the three basic "Computational Dimensions" of the UCP (delineated further below and previously):

#### Universal computational formula (UCF)

$$\left. \begin{array}{c} \text{׳} \\ c^2 \\ - \\ h \end{array} \right\} = \frac{s * e}{t * m}$$

UF's {ד...׎...ג}

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" (׳) simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "ג through "ד" to "ה") depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: " $c^2/h$ " =  $1.36^{-50}$  sec'!

**e) The "Dynamic Equilibrium" Moral Principle & UCP's "Multi Spatial-Temporal Reservoir"**

Another key theoretical postulate of this New "G-d's Physics" Paradigm is the discovery of the UCP's associated "Dynamic-Equilibrium" Moral Principle and its associated "Multi Spatial-Temporal Reservoir" bank of all "past", "present" and multiple possible "future/s" UF's frames based on the "Moral/Immoral Choices" of each Individual Human Being towards another human being; Essentially, due to the "inseparability" of all Individual Human Consciousness (human beings) from this singular higher-ordered "Universal Consciousness Principle" (UCP) the New "G-d's Physics" Paradigm asserts that there is a basic fundamental "Dynamic-Equilibrium" Moral Principle characterizing the operation of this UCP – such that any "immoral-imbalance" created by any "immoral choice" made by any Individual Human Consciousness towards another Individual Human Consciousness is "corrected" and "balanced" by the UCR in a manner in which that Individual Human Consciousness which chose to "inflict pain/suffering" upon another Individual Human Consciousness – the UCP is selecting one of multiple "possible future/s" UF's frame/s in which it will also have to experience the same (nature and degree) of pain/suffering that it inflicted upon the other Individual Human Consciousness in order that it learns and realizes the basic "unity" and "inseparability" of all Individual Human Consciousness from the singular higher-ordered UCP and honors and respects all other such Individual Human Consciousness (just as pointed out by the Alter-Rebbi, Rabbi Schneur-Zalman in his famous Tanya Book, chapter 32)! Additionally, according to this new "Dynamic-Equilibrium" Moral Principle, since the whole "purpose" of the UCP's associated "Dynamic-Equilibrium" Moral Principle is to "teach", "correct" or "balance" any "immoral-choice/s" of any Individual Human Consciousness so that that Individual Human Consciousness acknowledges and "realizes" its "unity" with the UCP and inseparability from all other Individual Human Consciousness – so that it could not and would not consider or execute any "immoral-choice/s" toward any other Individual Human Consciousness, therefore there is another possibility carved out by the singular higher-ordered UCP of "teshuvah" – e.g., repentance, a sincere regret relating to the "immoral choice" and a conscious decision not to repeat it in the future – which "circumvents" and replaces the need of that Individual Human Consciousness to experience itself the abovementioned "negative future" that is equivalent to its own "wrongdoing"... Finally, this "Dynamic-Equilibrium" Moral Principle may be seen as part of the overall "Goal" of the UCP's constant and continuous origination- sustenance- "dissolution" and evolution- of the entire physical universe – which is to bring the World towards its "Perfected- Geula" State of Moral, Spiritual and even Physical Perfection, in which the oneness and integrity of all creation as part of the singularity of the UCP will be realized and acknowledged by Humanity,

see next "Reversed-Time Goal Hypothesis" theoretical postulate;

**f) The UCR's "Expansive Consciousness Spectrum Hypothesis" & "Reversed-Time Goal Hypothesis"**

Another two profound and key theoretical postulates of the New "G-d's Physics" Paradigm are: the UCR's – "Expansive Consciousness Spectrum Hypothesis" & "Reversed-Time Goal Hypothesis"; the "UCR's Expansive Consciousness Spectrum Hypothesis" stipulates that as part of the UCP/UCR's ultimate Goal of driving the world (and entire universe) towards a "Perfected State" – called "Geula" in Jewish Tradition in which the oneness and unity of all creation as integral parts of the singular higher-ordered UCP/UCR will be recognized by Humanity; the UCR computes- ", "dissolves", "re-computes"- and evolves- the forms manifested by this singular UCP/UCR from "inanimate" matter (e.g., subatomic particles and the entire macroscopic universe) through "animate" forms of plants, then animals then human-beings – which represents the most "expansive" form of Consciousness; and ultimately leads this much "refined" and more "Expansive" form of Human Consciousness towards its ultimate "expanded" manifestations of this singular Universal Consciousness Reality which are expressed in the "expanded form of Individual Human Consciousness" (previously delineated) in which Individual Human Consciousness "expands" to a state in which it is "not separate" and functions in "unity" with the Universal Consciousness Reality (e.g., sometimes related to as states of "Prophecy" such as with Moses!); Another manifestation of this expansion of Individual Human Consciousness occurs also in "special times" and states of "Collective Human Consciousness Focus (Hypothesis)" (also delineated below and previously) – such as during the Jewish "Rosh-Hashana" (New Year) time-interval in which Millions of Jews (all over the world) collectively focus on- and pray to- this singular higher-ordered "Universal Consciousness Reality", i.e., "G-d"! As published and delineated previously, this New "G-d's Physics" profound expansive new perspective on the development and evolution of the entire cosmos – including its "inanimate" manifestations of all material compositions, e.g., including the relativistic accelerated expansion of the physical universe as well as all subatomic (quantum) particles, forces and phenomena, all "animate" forms of "plants", "animals" and "human-beings" brings about an entirely new and integrated view on the origination- and evolution- of the physical universe and all biological forms – not as "caused" by any "random" Big-Bang nuclear explosion but as driven and computed by the singular higher-ordered UCR whose sole Goal is to bring the entire physical universe and our own world towards the State of "Geula" Perfection (Morally, Spiritually and Physically); Indeed, the additional "Reversed-Time Goal Hypothesis" theoretical postulate posits that the entire origination of the entire physical universe continuous and constant

computation by the UCP (simultaneously) of all exhaustive spatial pixels in the universe for every consecutive UF's frame/s from its onset- in the "first" UF frame and until this date and onwards until the UCP/UCR brings the universe into its ultimate "Goal" of a Perfected: Morally, Spiritually and Physically State; This "Reversed-Time Goal Hypothesis" simply posits that the entire origination- sustenance and evolution of the entire physical universe – is driven by its drive to bring the world towards its ultimate Perfected "Geula" State of Moral, Spiritual and even Physical Perfection (e.g., in which there will not be any longer "death!"); a State in which all Human Being will recognize and realize the oneness of all creation with this singular higher-ordered Universal Consciousness Reality (UCR), and therefore there could not exist any longer any such "negative" phenomena of "violence", "aggression", "crimes" or "immoral behavior", and on the contrary Humanity's (and Science's) ultimate recognition of the singular higher-ordered UCR as the sole reality that drives and sustains the entire universe will lead to an attitude of "reverence", "gratitude" and "studying" of this "All-Goodness", "Divine" "Universal Consciousness Reality" ("G-d"!), as anticipated by the great Jewish Sage and Teacher, Maimonides (in his monumental "Mishna-Torah" masterpiece).

Twenty-First Century Theoretical Physics is undergoing a profound "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" ("Computational Unified Field Theory", CUFT)

### 1. "G-d's Physics" "A-Causal Computation" Paradigm's Revision of Relativistic & Quantum Physics

It is important to note that the New "G-d's Physics" Paradigm completely revises the Old "Material-Causal" Paradigm of 20<sup>th</sup> century Physics, e.g., underlying both Relativity Theory (RT) and Quantum Mechanics (QM): This is because the basic assumption underlying the Old "Material-Causal" Paradigm wherein it is assumed that any "physical phenomenon" – e.g., be it any "Space-Time", "energy-mass" Relativistic phenomenon (or object), or any "energy-space", "time-mass" ("collapsed probability wave-function" single complimentary) value of any subatomic "target" particle; is that any such Relativistic or

### 2. The New "Ten-Hierarchical Manifestation Laws' Universal Computational Formula (THML-UCF)

Hence, based on the discovery and acceptance of the New "G-d's Physics" Paradigm as the New Paradigm for 21<sup>st</sup> century Theoretical Physics, e.g., replacing and embedding the Old "Material-Causal" Paradigm as a "special-case" within the broader and more exhaustive New "G-d's Physics" Paradigm; and based on "G-d's Physics" discovery of the "Ten Laws of Hierarchical Manifestation" which delineate in what manner does this singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) carries out the actual simultaneous computation- "dissolution"-

re-computation- and evolution- of every exhaustive spatial pixel in the universe for each consecutive UF's frame/s (comprising the entire physical universe at every consecutive minimal time-point); "G-d's Physics" now advances our basic understanding of how this singular higher-ordered Universal Consciousness Principle (UCP) transpires through its associated "Ten-Laws of Manifestation" the continuous creation- "dissolution", re-computation and evolution of the entire physical universe so many Billions of times per second:

But, perhaps to better understand this complex integrative process of the UCP's simultaneous computation of all exhaustive spatial pixels comprising the entire physical universe for each consecutive UF's frame/s based on its Ten Laws of Hierarchical Manifestation let's begin describing these Ten Dimensions of Hierarchical Manifestation from the perspective of this singular higher-ordered UCP:

#### a) UCP's "Free-Will /Wisdom" Hierarchical Dimension ("ח" :חכמה)

We begin our description of the "Universal Computational/Consciousness Principle" (UCP) with the UCP's initial "Free-Will/Wisdom Dimension"; The UCP's initial "Free-Will/Wisdom" Hierarchical Dimension represented by the Hebrew Letter "ח" which stands for "חכמה" (Wisdom) signifies the UCP's Free-Will and wish to create a Universe in which there will exist Human-Beings that are capable of studying, recognizing and performing certain actions and deeds that will manifest their acknowledgement, recognition and gratitude towards this singular higher-ordered Universal Consciousness Reality; We see that the initial "Free-Will" wish of this singular higher-ordered "UCP" is to create a universe in which there will exist a world in which Human-Beings, e.g., possessing the most "expansive" form of Consciousness capable of recognizing the sole existence of this singular higher-ordered "Universal Consciousness Reality" (UCR), or "G-d" is indeed the UCP's own intrinsic "Free-Will", "Wisdom" of how it wishes to create and manifest an apparently "independent" world in which the singularity of the sole existence of this UCP will not be apparent, but in which Human-Beings also possessing a certain manifestation of "Free-Will Moral Choice" will be created, sustained and evolved! In a sense, this initial "Free-Will/Wisdom" Hierarchical Dimension" of the UCP represents the first "chain" in the UCP's Infinity begins manifesting a "Free-Will" and "Infinite Wisdom" desire of this singular higher-ordered "Universal Consciousness Reality" (UCR or UCP) to create a world for the purpose of manifesting the most expansive form of Human Consciousness that will be able to recognize, acknowledge and revere this singular higher-ordered UCR!

#### b) UCP's "Good-Will/Computation" Hierarchical Dimension ("ב" :בינה)

The second UCP's Hierarchical Dimension stemming from the first "Free-Will/Wisdom" Dimension is "Good-Will/Computation" which signifies the UCP's more

detailed computational conception of the "Good-Will" desire to create the entire physical universe – as apparently "separate" or seemingly "independent" of the singular existent reality of the "Universal Consciousness Reality", for the betterment of all forms of Life and their eventual realization of their "Oneness" and "Inseparability" from this "All-Goodness" singular "Universal Consciousness Reality" (UCR)! This secondary "Good-Will/Computation" Dimension represents the UCP's beginning of conception of an apparently "independent" (or apparently "separate") physical universe which will enable the fulfillment of the UCP's primary (first abovementioned) "Free-Will/Wisdom" motivation to create a world in which Human-Beings could recognize, acknowledge and revere the singularity of this UCR, by beginning to conceive of- of "compute"- the general framework of an apparently "independent" or "separate" physical universe, in which the whole of Life could "evolve"; It may indeed be helpful to utilize some of the fine concepts and Wisdom found in Jewish Tradition ("Chassidic-Kabbalah") teachings describing this Divine process of manifesting the physical universe as an apparently "independent" or "separate" entity from the sole reality of "G-d", because it possesses much fundamental similarities to the discoveries made by the New "G-d's Physics" ("Computational Unified Field Theory", CUFT) in this regards, i.e., of the UCP's Ten Hierarchical-Dimensions of Manifestation: According to Jewish Chassidic Thought, a metaphor is given of the manner in which a human-being conceives of a certain "new idea" and eventually manifests it in actuality! The initial conception of the basic "idea" seems to arise out of a "spark of Intuition" – it comes from "above" (from "Infinity") and contains all of the elements of this idea, but (initially) in a "seed" format, i.e., not yet fully developed. This initial stage of receiving a "spark-seed" of Intuition from "above" ("Infinity") containing a lot of "wisdom" (but not yet fully elaborated) is termed: "Wisdom"; This Chassidic Metaphor is used to "hint" at the Divine initial conception of a World – which emanates from the Infinite Power of "G-d", which correlates to our first "Free-Will/Wisdom" Hierarchical Dimension! It signifies the UCP's initial conception, e.g., in a "seed-format" of the possibility of creating an apparently "separate" or "independent" universe – from the complete "Oneness" or "Unity" of this singular UCR/UCP! Indeed, the Chassidic Thought utilizes a Metaphor of the "Infinite-Light" of "G-d" which – "before" its conception of the possibility of the existence of an apparently "separate" or "independent" physical universe "filled" all of existence, necessitating a "removal" of this "Infinite-Light" in order to "create" such an apparently "separate-independent" physical universe! So, we see that according to this "Jewish-Chassidic" conception "G-d" had to "remove" the "All-Pervasiveness" of His "Infinite-Light", in order to allow for his creation of apparently "separate-independent" "creatures", "Life" and "Universe" – e.g., in effect "minimizing" and "defining" from this "Infinite-Light" a

"materialized-form" of the conception of the physical universe! Then, the "Chassidic" Metaphor continues to describe the manner in which a human-being that received such an initial "spark of Intuition" would go on to try and "materialize" it – by passing this initial "Wisdom-spark" (seed) idea to a secondary phase of "developing" this "spark-idea" into a more detailed "plan" comprising of all of the details of this great new "spark-idea"; this secondary phase is called in "Chassidic-Kabbalah" : "Bina" (בינה) and it may correlate to the concept of "computing" or "planning" in details the manner in which the initial Wisdom "spark-idea" may be translated into an actual plan of operation!

How is this "Chassidic-Kabbalah" Metaphor helpful for us to better understand the UCP's/UCR's "Ten Hierarchical-Dimensions of Manifestation"? Well, simply because, in a sense, the UCP's initial conception of the physical universe stems from its "Free-Will/Wisdom" capacity to conceive of the possibility of such a "separate" of "independent" apparent reality of the universe from the singular reality of the UCP/UCR; and similarly, the UCP's secondary "Good-Will/Computation" Hierarchical Dimension, in which the UCP/UCR "computes" the general framework of a "physical universe" which is apparently "material" and which possesses the conception of the four basic "computational physical features" of "space", "energy", "mass" and "time" which would enable the manifestation of various forms of "inanimate" and "animate" that would allow for the appearance of human-beings capable of recognizing and revering this singular UCR; is strikingly similar to the above mentioned Chassidic Metaphor;

### c) The UCP's "Reversed-Time Geula-Goal" Hierarchical Dimension" ("דעת: ג'):)

The UCP's third Hierarchical-Dimension is its "Reversed-Time Geula-Goal" which essentially states that following the UCP's "Free-Will/Wisdom" (ט) wish to create a physical universe that would allow the manifestation of human-beings capable of recognizing, realizing and revering the singular higher-ordered UCP/UCR; and its further development of this initial idea into a more detailed (secondary) "Good-Will/Computation" (צ) plan for the computation (creation) of an apparently "independent-separate" physical universe that does not (initially) manifest the underlying "Oneness" and "Unity" of the UCR underlying- and comprising the entire physical universe; this third "Reversed-Time Geula-Goal" Hierarchical Dimension advances the UCP's desire to create such an apparently "material-physical" universe – concretely in order to reach the "Ultimate-Geula Goal" of manifesting a "Morally, Spiritually and Physically Perfected" State of the universe in which there will exist human-beings and Humanity that will fully recognize the singular existence of this higher-ordered "Universal Consciousness Reality", e.g., "G-d"! study, revere and act out of a sense of gratitude and recognition of the basic Unity, Peace,

Harmony and Morality of this singular UCR, "G-d" Reality! Quite strikingly, this third "Reversed-Time Geula-Goal" Hierarchical Dimension conceives of the entire apparent "physical development" of the universe and all of its various forms of "inanimate" and "animate" forms – from the "end-point" Ultimate-"Geula" Goal "backwards" to its computation of all of the "Universal-Frames" (UF's) comprising the entire physical universe computed at each minimal-time-point (e.g., " $c^2/h = 1.36^{50}$  sec') of all "past", "present" and "future" UF's frames of the universe! What's amazing is that contrary to the Old "Material-Causal" Paradigm of 20<sup>th</sup> century Physics' Relativistic and Quantum Models which assumed that the development of the entire physical universe is the result of mere "random-physical" interactions, e.g., such as the previously assumed initial "random" "Big-Bang" nuclear event that was assumed to have created all of the suns, galaxies, space, time, mass and energy in the universe; and similarly Darwin's assumed "random" "Natural Selection Principle" assuming that the development of all the Biological Forms of Life evolved merely based on direct ("random") physical interactions between certain "cosmic-rays" with particular "genetic material" of specific organism/s which "caused" certain "genetic-mutations" (in those particular organisms), which coupled with another "chance" changes in the particular "Environmental-Factors" enabled only those "genetically-mutated" organism/s to "survive" and consequently "pass-on" their genetically mutated information to an "evolved-specie"?! The New "G-d's Physics" Paradigm's current (and prior) delineation of the UCP's (third) "Reversed-Time Geula-Goal" Hierarchical Dimension stipulates that the whole creation-sustenance- and evolution- of the entire physical universe, e.g., including all of its "inanimate" material forms and all of its "animate": plants, animals, human-beings – leading up to the most "evolved" "Geula State" of Humanity (and Science) were all "pre-conceived" and "planned" by the singular higher-ordered UCR based on its initial (first) "Free-Choice/Wisdom" desire to create a universe in which human-beings would reach that "Ultimate-Geula" Morally, Spiritually and Physically Perfected State! In this sense, the third "Reversed-Time Geula-Goal" Hierarchical Dimension represents the first "blue-print" of the UCP's entire development of the physical universe and all of its "inanimate", "animate": plants, animals, and human-beings, leading up to the "Ultimate-Geula State" of fulfilling the UCP's wish to create a world in which human-beings possessing the most "expansive" form of Consciousness will be able to recognize, revere and act in accordance with the discovered singularity of this higher-ordered Universal Consciousness Reality! This third "Reversed-Time Geula-Goal" Hierarchical Dimension correlates with the Chassidic notion of "Knowledge", or "Daat" is Henrew ("דעת": represented by the Hebrew Letter "ד"), since it connotes in which manner does the UCP's principle aim of creating an apparently "separate" or "independent" physical universe in which human-beings (and Humanity as a whole!) would recognize and revere the singular

higher-ordered "All-Goodness", "Moral", "Oneness" of this UCR- could materialize such ever-more "expansive" forms of this singular "Universal Consciousness Reality" (UCR); i.e., through this (third) UCP's "Reversed-Time Geula-Goal" plan for the execution of the UCP's "Ultimate-Geula Goal" through the manifestation of ever more "expansive" forms of Consciousness: inanimate, animate: plants, animals and human-beings, leading to the ultimate recognition of Humanity (and Science) in this singular higher-ordered UCR and leading a Morally, Spiritually and Physically Perfected life and existence!

#### d) The UCP's "Dynamic-Equilibrium Moral Principle"/"Chessed" ("ח" : "חסד")

The fourth Hierarchical Dimension if the UCP is its "Dynamic-Equilibrium Moral Principle" signifies the UCP's basic intrinsic characteristic of "Oneness", "Unity" and "Morality" – which manifests through its innate drive to "balance" any "Moral-Imbalance" created by any "immoral" "free-choice" chosen by any Individual human-being towards another human-being (e.g., all of these "Ten Laws of Hierarchical Manifestation" were previously delineated); This is because based on the fundamental "Unity", "Oneness" and "Harmony" that characterizes the singular higher-ordered UCR – and the "inseparability" of each "Individual Human Consciousness" from this singular integrated UCR, the UCP's/UCR's "Dynamic-Equilibrium Moral Principle" stipulates that whenever any such "Individual Human Consciousness" (human-being) opts to choose an "immoral action" towards another "Individual Human Consciousness" (human-being), e.g., inflicting "pain" or "suffering" upon another human-being ("G-d" forbid), then this brings about an "automatic response" of the UCR to "balance" such "moral-imbalance" by having the first human-being that "inflicted pain/suffering" upon the second human-being to experience the same degree of "pain/suffering" that the second human-being had to experience; in order for the first human-being to learn that (in truth) all human-beings (and in fact all other forms of life) "inseparable" from the singular "Oneness", "Morality", "Peace" and "Harmony" of this singular higher-ordered UCR, and consequently that all human-beings should respect and assist other human-beings to lead a "Morally Perfected Geula State" life and existence! It is important to note that this same basic "Dynamic-Equilibrium Moral Principle" also operates in the "positive" direction, i.e., remunerating each Individual Human Consciousness (human-being) with "equivalent-positive rewards" for any "positive-moral choice" it may perform for the benefit of any other human-being!

This Fourth "Dynamic-Equilibrium" Moral Principle is represented by the Hebrew Letter "ח" which stands for "Chessed" ("חסד") e.g., which may be (somewhat) translated as "Compassion" because it signifies the UCR's "Compassion" towards all human-beings, allowing them and in fact "urging" them to recognize the underlying "Unity" and "Morality" standing at the basis

of this singular higher-ordered "Universal Consciousness Reality" (UCR) – through the operation of this "moral-balancing" "Dynamic-Equilibrium Moral Principle"! In other words, this fourth "UCP's Dynamic-Equilibrium Moral Principle" allows human-beings to "correct" any "immoral-behavior" and to be part of the UCR's basic underlying "Oneness", "Unity" and "Morality" – and fundamental drive to fulfill the Ultimate "Geula-Goal" directed universe to reach that "Perfect Moral, Spiritual and Physical State" of "Geula" in which all of Humanity will recognize the "Oneness", "Unity", "Peace" and "Harmony" of the singular higher-ordered UCR, "G-d" Reality! In a sense, it may be said that the UCP's fourth "Dynamic-Equilibrium Moral Principle/Chessed" is the UCP's "built-in mechanism" allowing every human-being to "grow" and "expand" its Human Consciousness to recognize the "Oneness" of the UCP/UCR and to uplift Humanity (as a whole) towards the Ultimate Perfected "Geula-Goal"!

**e) The UCP's "Multi Spatial-Temporal Reservoir" / "Justice" ("גבורה" : "ג")**

The next UCP's Hierarchical Dimension is called: the UCP's "Multi Spatial-Temporal Reservoir/Justice" represented by the Hebrew Letter "ג" and signifies the UCP's measured and computed Multi Spatial-Temporal Reservoir of all past- present- and multiple possible "future/s" for each Individual Human Consciousness (human-being) based on its own "moral"/"immoral-choices" at each minimal time-point towards any other human-being! Indeed, based on the abovementioned "Dynamic-Equilibrium Moral Principle" the UCP computes for each consecutive UF's frame/s and for each human-being one of multiple possible future/s, e.g., "correcting" any "moral-imbalance" created by any "immoral-choice" made by any particular human-being (i.e., allowing any particular human-being that G-d forbid inflicted "pain/suffering" upon another human-being to experience the same degree of pain/suffering in order to learn that it is, in reality "separate" from the singular higher-ordered UCR, which includes all human-beings, animals, plants etc.), and also remunerating any "good/moral" action made by any individual human-being towards another human-being with an equivalent "reward" for his/her good action/s! Hence, this fifth "Multi Spatial-Temporal Reservoir /Justice" ("ג") UCP's Hierarchical Dimension "sets in motion" the UCP's computation of the selected – one of multiple possible future/s all encompassed within the UCP's "Multi Spatial-temporal Reservoir", thereby allowing all human-beings and in fact the whole of Humanity to advance towards the Perfected Ultimate "Geula-Goal"! It represents a "Justice" (גבורה) represented by the Hebrew Letter "ג" – for each individual human-being, as well as for the whole of Humanity, as it measures, computes and outputs the precise and specific (single) future for each human-being that is necessary in order to either "correct" any "immoral action/s" or to remunerate for any "good-moral" action performed by any human-being at each consecutive UF's frame/s (thereby advancing each

individual human-being as well as Humanity as a whole towards the Geula-Goal), e.g., for each consecutive UF's frame/s!

**f) The UCP's Jewish Rosh-Hashana New Year Non-Continuous Accelerated Expansion of the Universe" / "Glory" ("תפארת" : "ה")**

The sixth UCP's Hierarchical Dimension is called: the "Jewish Rosh-Hashana New Year Non-Continuous Accelerated Expansion of the Universe"/"Glory" (תפארת) signified by the Hebrew Letter "ה", and it relates to the UCP's actual computation of the entire physical universe for each consecutive Jewish Year, whereby the UCP prepares and arranges the actual series of UF's for the entire physical universe for each consecutive Jewish Year! It stems from one of the theoretical postulates of the New "G-d's Physics" Paradigm called: the "Collective Human Consciousness Focus" postulating that whenever a large group of human-beings focuses on this singular higher-ordered UCP/UCR – such as at the Jewish "Rosh-Hashana" New Year wherein Millions of Jews all around the world pray and focus on this singular higher-ordered UCR, "G-d"! this singular higher-ordered UCR consequently instigates a computation of the entire New (Jewish) Year that takes into account all of the above mentioned UCP's Hierarchical Dimensions which are geared towards advancing the entire world (and universe) towards the Geula-Goal Perfected State, i.e., including all of the selected "single future" (out of the multiple possible future/s contained in the UCP's "Supra Spatial-Temporal Reservoir") for each consecutive UF's frame/s throughout the subsequent Jew New Year's time-interval – computed for each individual human-being! Obviously, it is impossible to "conceive" of the complexity and "infinity" of this singular higher-ordered UCP/UCR having to compute for each individual human-being each subsequent UF's frame/s' precise "single-future" based on its multifarious "moral-action/s" performed towards any other human-being – simultaneously for all human-beings and for all exhaustive spatial pixels in the universe; computed in advance for the entire Jewish Year!? Indeed, the very recognition of the Infinite Wisdom of this singular higher-ordered UCP/UCR is in an of itself a representation of the "Glory" of this singular UCR, i.e., "G-d"! It also hints at the "special role" of human-beings that are praying at the Jewish Rosh Hashana Jewish New Year towards this singular higher UCR/"G-d" Reality asking for "forgiveness" and desiring to act in "moral" ways and fulfill "G-d's" Ultimate "Geula-Goal" State of the World... This is because it is not "by chance" but rather by "Personal Providence" of the UCR that it is precisely "during" this Jewish Rosh-Hashana (New Year) two days' time-interval, in which Millions of Jews pray and ask for "forgiveness" from this singular higher-ordered UCR (as well as from each other!) that the UCP/UCR computes "in advance" the entire "bulk" of the series of UF's frames for the entire subsequent New Jewish Year for each individual human-being; because it indicates that the manner in which the UCR/UCP

computes and evolves each consecutive UF's frames (throughout the entire New Jewish Year) – critically depends upon the "teshuva", i.e., asking for forgiveness by each individual human-being from any person upon which that individual human-being may have "inflicted pain/suffering", feeling of regret for any such "wrong-doing", and making a sincere resolute decision not to repeat such "immoral action/s", out of prayer to this singular higher ordered UCR; which influences greatly this singular higher-ordered UCR in its computation of the entire series of UF's for the entire subsequent year! In other words, this sixth "Jewish Rosh-Hashana New Year's Non-Continuous Expansion of the Universe"/"Glory" Hierarchical Dimension indicates that the UCR's continuous computation- dissolution- re-computation and evolution of every exhaustive spatial pixel in the universe for each consecutive UF's frame/s – is critically performed "in advance" for an entire New Jewish Year (at the Jewish Rosh-Hashana New Year two days special time-interval), in close connection and relationship with the Jewish People's Collective Human Consciousness Focus on this singular higher-ordered UCR – and specifically through their Glorification of this singular "G-d" Reality and their "teshuva" asking for forgiveness and resolute moral decision not to repeat any "wrong-doing" in the future! It is indeed a striking and amazing fact that the accelerated expansion of the universe is predicted by this New "G-d's Physics" Paradigm to advance in "non-continuous leaps" –Focus", which indicates that the "teshuva" of human-beings makes a big difference in the universe's evolution – as it constitutes an essential and critical component of the UCR's principle drive to advance the world and Humanity towards its Ultimate "Perfect Moral Geula State"!

#### g) The "UCP's Computed Potential Object" / "Eternity" ("נצח" : "נ")

The seventh UCP's Hierarchical Dimension is called "the UCP's Computed Potential Object" which relates to the UCP's computation of each specific consecutive UF's frame/s for each individual human-being! It signifies the UCP's incessant and continuous drive to "perfect" the world and bring the universe – and specifically each individual human-being back into "moral-balance", and a growing awareness of the Oneness of all of Humanity (and in fact all of Life, and the entire universe) as integral and "inseparable" elements of this singular "Universal Consciousness Reality" (UCR), and to assist the universe (as a whole) to advance towards the Ultimate "Geula-Goal" State of Perfection and realization of the singularity of this UCR; In this seventh Hierarchical Dimension the UCP assimilates and computes the entirety of all preceding Hierarchical Dimensions in order to produce an integrated Universal Frame/s (e.g., per each consecutive UF's frame) that best integrates all necessary "moral-balancing" as well as evolve all of the universe's comprising inanimate, animate: plants, animals and human-beings together towards this Ultimately desired "Geula-State"! The

emphasis is that this seventh "UCP's Computed Potential UF's"/"Eternity" ("נצח") represented by the Hebrew Letter "נ" begins to materialize each consecutive UF's frame/s in actuality taking into account all of the UCP's comprehensive and integrated knowledge of all past-present- and multiple possible future/s for each individual human-beings, their particular interrelationships (e.g., based on the Dynamic-Equilibrium Moral Principle which "balances" any "moral-imbalance" (involving the UCP's computation of any two- or more- individual human-beings in which one individual human being may have inflicted "pain/suffering" upon another human-being resulting in the UCP's Dynamic-Equilibrium Principle's setting of an "equivalent situation" in which that individual human-being that inflicted "pain/suffering" upon the other human being would have to experience himself/herself the same degree of pain/suffering in order to learn not to repeat such negative actions). It is referred to in the Jewish Chassidic Thought as "Eternity" or as "Triumph" (נצח) since within it the UCP both drives the entire universe towards its "Eternal Goal Geula Perfection" of the world, and since this singular higher-ordered UCP/UCR "Triumphs" over any temporal "moral-imbalance" or any apparent "set-backs" in the UCR's "Reversed-Time Geula-Goal" plan for bringing the universe towards its Perfected Geula State!

#### h) The "UCP's Teshuva" Hierarchical Dimension" / "Magnanimity" ("הוד" : "ה")

The eighth UCP's Hierarchical "Teshuva" Dimension represented by the Hebrew Letter "ה" which stands for "Magnanimity"!; it stands for the opportunity given by this singular UCR to each individual human-being to make a complete "repentance", or "teshuva" in the Jewish-Chassidic Tradition, i.e., a sincere sense of regret for any "wrong-doing" or any "immoral action" taken by any particular individual human-being towards another given human-being and conscious resolute decision not to repeat such wrongdoing, coupled with asking for forgiveness both from the person being offended and from "G-d"; The importance of this eighth Hierarchical Dimension is that allows for a "revision" and "avoidance" of the person inflicting pain/suffering from experiencing the same degree of pain/suffering that the other person experienced – by making such a sincere "Teshuva"! It is also called "Magnanimity" in the Jewish-Chassidic Tradition since it portrays the possibility of an "unexpected change" in the behavior of any given individual human-being, e.g., "transforming himself/herself into a better human-being", and acting in accordance with the Divine Moral Law, which itself is a pure manifestation of "Magnanimity"! Importantly, this eighth Hierarchical Dimension represents the first explicit Dimension which allows for Individual Human Consciousness to directly affect, interact, and "implore" that singular higher-ordered UCR/UCP's computation of the actual manifested UF frame's creation of one specific "future" – out of multiple possible "future/s" based on such a conscious sincere "Teshuva" choice, e.g., thereby

also indicating the critical importance of any individual human-choice (and Humanity more generally) in the UCR's advancement of its Ultimate Geula-Goal plan!

**i) The "UCP's Actual Computed Object" / "Foundation" ("יסוד" : "י")**

The ninth UCP's Hierarchical Dimension portrays the UCP's actually computed Universal-Frame (UF), e.g., each time for a consecutive (minimal time-point: " $c^2/h = 1.36^{-50}$  sec") – which assimilates and accumulates all of the previous (higher-ordered) UCP's Hierarchical Dimensions in order to form the Foundation for the ongoing "creation" of the particular four basic physical features for each individual human-being, as well as for all other inanimate, and animate: plants, animals etc. forms of Consciousness! In particular, it allows for the "correction" and "modification" of the already planned seventh (abovementioned) higher-ordered Hierarchical Dimension of "UCP's Computed Potential Object" / "Eternity" ("נצח" : "נ") based on any executed sincere "teshuva" that any given individual human-being performs relative to his or her "wrongdoing/s" towards another human-being (coupled with the abovementioned deep sense of "regret" and asking for "forgiveness" from the offended individual as well as prayer and asking for forgiveness from the singular higher-ordered "G-d" reality)... In other words, to the extent that any particular individual human-being makes a sincere and resolute "teshuva" decision (e.g., both towards the offended person and towards "G-d", asking for forgiveness and making a conscious moral choice not to repeat any such "wrongdoing"), then the UCP's ninth "Actual Computed" / "Object"/"Foundation" ("יסוד" ("י" "יוד")) would alter the previously computed seventh Hierarchical Dimension's "UCP's Computed Potential Object" based on this sincere "teshuva" corrected "moral choice"! Particularly, this ninth "Foundation" Hierarchical Dimension assimilates and accumulates all of the previous higher-ordered UCP's computations and considerations for its computation of "two" – out of the four basic physical features: i.e., the "Object's" – "mass" and "time" features, which represents the UCP's computation of "Object" – "consistent" ("mass") and "inconsistent" ("time") combinations of two (out of three) UCP's Computational Dimensions (as previously delineated): according to the New "G-d's Physics" (CUFT) Paradigm the UCP possesses Three Computational Dimensions: "Framework" (frame/object), "Consistency" (consistent/inconsistent) and "Locus" ("global"/"local"); with the two first Computational Dimensions of "Framework" and "Consistency" producing the four basic physical features of "space" and "energy", "mass" and "time" stemming from the four basic computational combinations of the UCP's "Object" – "consistent" ("mass") and "inconsistent" ("time"), and "Frame" – "consistent" ("space") or "inconsistent" ("energy") apparently physical features. In other words, this ninth "UCP's Actual Computed Object" Hierarchical Dimension is where two out of the four basic physical

features – relating to any given "Object's" internal composition's "mass" ("Object-consistent") and "time" ("Object-inconsistent") computation is executed, thereby preparing the physical manifestation of all human-beings (as well as all other inanimate and animate" plants and animals) to appear as apparently "physical objects" in the universe... It is termed as the "Foundation" in Jewish-Chassidic Thought because it serves as the "foundations" for the tenth (subsequent) "Universal Computational Formula's Manifested UF's"!

**j) The "UCP's Universal Computational Formula's Manifested UF's Frames"! / "Kingdome" : "מ" ("מלכות")**

The tenth "all-consummating" Hierarchical Dimension of the UCP is termed: the UCP's Universal Computational Formula's Manifested UF's Frame/s/ Kingdome" ("מלכות") represented by the Hebrew Letter "מ", in which the actual entirety of the physical universe – for each consecutive UF's frame/s is computed, e.g., appearing as the creation of an apparently "physical" universe for each consecutive (e.g., "minimal time-point" , " $c^2/h = 1.36^{-50}$  sec)! It is based on the full "Universal Computational Formula" which incorporates- and relies on- the nine previous (higher-ordered) UCP's Hierarchical Dimensions and it computes for each exhaustive spatial pixel comprising the universe its *four* basic physical features – including the two additional "Frame-consistent" ("space") and "Frame-inconsistent" ("energy") basic physical features, e.g., in addition to the two "Object"-consistent ("mass") and "inconsistent" ("time") physical features computed in the previous ninth hierarchical Dimension which only related to the Object's internal composition, but not to its overall positioning and interaction/s with all other exhaustive spatial pixels comprising the entirety of the physical universe! It therefore represents the full manifestation of the singular higher-ordered UCR's (continuous simultaneous) creation of the physical universe – as a mere "transient-phenomenal" manifestation of this singular and sole reality of the "Universal Consciousness Reality"! The profound realization that the entire physical universe merely represents a "transient-phenomenal" manifestation of this singular, sole higher-ordered reality of the Universal Consciousness Reality (UCR) was evinced by two of the most profound new Theoretical Postulates discovered by the New "G-d's Physics" Paradigm, i.e.,: the "Computational Invariance Principle" and closely associated "Universal Consciousness Reality" (UCR)! In this regards, the Tenth "all-consuming" and "exhaustive" Hierarchical Dimension of the UCP's Universal Computational Formula's Manifested UF's Frame/s/ Kingdome" ("מלכות") signifies the manner in which the UCP continuously creates the physical universe – simultaneously computing every exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h = 1.36^{-50}$  (sec); It is termed as : "מלכות" ("מ") or "Kingdom" in the Jewish-Chassidic Tradition, because it signifies the fulfillment of the UCR's , i.e., "G-d's" initial and primary

(first) Hierarchical Dimension of "Free-Will/Wisdom" ("הכמה") wish and Wisdom to create a world (and universe) in which the singularity of the higher-ordered UCR, "G-d"! will manifest – despite the apparent "separation" of the apparently physical-material universe from the singularity of this UCR! In Chassidic terms this would be termed as the "King's" desire to create a world that appears "separate" from It – so that all of the creatures, animals, plants, and especially human-beings will discover, recognize, revere and worship Him! Indeed, according to the New "G-d's Physics" Paradigm, the Ultimate "Geula-Goal" of this singular higher-ordered UCR is for all human-beings and Humanity in general to recognize and realize the sole reality of the UCR underlying the entire physical universe, e.g., including all apparently "material" or "independent" (inanimate and animate: plants, animals and human-beings), and live according to the fundamental "laws" of this singular higher-ordered UCR, i.e., leading a "Moral", "Peaceful", "Harmonious" life which equates to the desired "Geula-Perfect State" of the world and universe! It is also paramount to emphasize that the UCP's or UCR's actual manifestation and continuous "creation" of the physical universe through its Tenth "UCP's Universal Computational Formula's Manifested UF's Frame/s!/ Kingdome" ("מלכות") necessitates the full involvement and direct computation of the UCP itself – unlike the other nine Hierarchical Dimension of the UCP in which a particular "aspect" or "manifestation" of the UCR may be involved in the planning or computation of certain facets of the universe, but not the full entirety of the UCR, what's called in Jewish Tradition the "Throne" or the "Essence" of "G-d", i.e., His intrinsic inner "Infinitude Existence" (regardless of His continuous creation of the universe)! To use the Chassidic-Kabbalah Metaphor (mentioned earlier) in order to explain "G-d's" continuous creation, "dissolution", sustenance and evolution of the universe the metaphor or simile of an "Infinite Light" was utilized, e.g., representing this "Inner-Essence" or "Infinite Nature" of "G-d" which had to "remove" his "Infinite Light" to allow for the creation of apparently "independent" or "separate" objects (including: inanimate matter, animate: plants, animals and human-beings).

According to this Chassidic Metaphor, the ability to create apparently "separate" or "independent" forms or objects – depends on "G-d's" "removal" of his "Infinite-Light" which enables his manifestation of a physical universe; this may be helpful (for us) in order to conceptualize the UCR's sole existence – as an "Infinite" – "Light" or "Existence": both prior to his initial creation of the universe and "in-between" any two consecutive UF's frames; but it is also stipulated that since the Tenth UCP's Universal Computational Formula's Manifested UF's Frame/s!/ Kingdome" ("מלכות") necessitates a tremendous "leap" or "concealment" from the "Infinite-Existence" of the UCR's "Light" or "Consciousness" – to its apparently complete "concealment" or complete apparent "independency" of the manifested apparent

"physical universe" from the sole and singular reality of the UCR; therefore this requires the direct involvement of the same "Inner-Essence" or "Infinite-Light" of the UCR – which we've seen also existed "prior" to its conception and creation of the physical universe, and which also solely exists "in-between" any two consecutive UF's frames; Therefore, as may be seen in the Figure (below) describing the "Ten Hierarchical Dimensions' Universal Computational Formula" the Hebrew Letter "Yud" ("י ") accompanying by the Infinity sign " $\infty$ " signifies this "Infinite-Light" of the UCR, or its "Inner-Essence" – i.e., irrespective of its computation of the universe "during" each consecutive UF's frame/s; which appears (in the below Figure) both prior to the Nine Hierarchical Dimensions, and also appearing in the Tenth UCP's Universal Computational Formula's Manifested UF's Frame/s!/ Kingdome" ("מלכות") Hierarchical Dimension represented by the Hebrew Letter "מ", because (as pointed above) it is necessary for the UCR's full involvement of its "Infinite-Light" or "Inner Essence" to create and compute every exhaustive spatial pixel in the universe due to the Infinite concealment of the UCR's sole and singular existence through its Infinitely complex computation of each exhaustive spatial pixel in the universe, simultaneously for each consecutive UF's frame/s, at the unfathomable rate of " $c^2/h = 1.36^{-50} \text{ sec}!$ "

### 3. The UCP's New "Ten hierarchical dimensions universal computational formula": Theoretical ramifications

The new discovery of "G-d's Physics" Ten Hierarchical Dimensions Universal Computational Formula possesses several far-reaching theoretical ramifications; It indicates that the physical universe does not exist as a "material-causal" entity, e.g., being created by an initial "Big-Bang" nuclear event, nor is it being expanded at an accelerated rate by a (purely hypothetical) "dark-matter" and "dark-energy" concepts; the creation and "evolution" of the various Biological forms of life similarly has not been created based on a "random" "Natural Selection Principle"; Nor is the universe "drifting aimlessly" into total dissipation, as predicted by the Second Law of Thermodynamics; Rather, the New Twenty-First "G-d's Physics" Paradigm postulates – based on its newly discovered "Ten Hierarchical Dimensions' Universal Computational Formula" that the entire universe, and every exhaustive spatial pixel comprising it is being continuously simultaneously computed- "dissolved", re-computed and evolved by the singular higher-ordered "Universal Computational Formula" (UCP) or "Universal Consciousness Reality" (UCR) at the incredible and unfathomable rate of " $c^2/h = 1.36^{-50} \text{ sec}!$ " In other words, the discovery of "G-d's Physics" New Paradigm replaces the Old "Material-Causal" Paradigm of 20<sup>th</sup> century Relativity Theory and Quantum Mechanics basic assumption that the universe exists as a "solid-material" entity that operates and evolves based on direct physical interactions between certain given "massive-objects" and their assumed "curvature of Space-Time" or between

certain given subatomic "probe" and corresponding "target's probability wave function" elements; Instead, the New "G-d's Physics" Paradigm evinces that the entire physical universe exists only "transiently" and "phenomenally" – "during" each UCP's consecutive UF's frame, but "ceases to exist" and "dissolves back" into the singularity of the UCP/UCR "in-between" any two consecutive UF's frame/s; In fact, as stated above (and previously) through two profound Theoretical Postulates of the New "G-d's Physics" Paradigm termed: the "Computational Invariance Principle" and the "Universal Consciousness Reality" (UCR), the whole entire physical universe is seen as merely a manifestation of the singular higher-ordered Universal Consciousness Reality (UCR) – which exists both "during" each consecutive UF's frame/s without the presence of any physical universe, and which appears as the physical universe "during" each consecutive UF's frame/s!

This profound new realization, wherein the physical universe is seen as a mere "transient-phenomenal" manifestation of the singular higher-ordered Universal Consciousness Reality (UCR) – but does not possess any "independent" or "objective" existence in and of itself; and that, in fact, it entirely depends upon the continuous and constant computation- "dissolution", re-creation, and evolution – solely by this singular higher-ordered UCR completely revises our basic notions of the physical universe existing as totally dependent upon this singular higher-ordered UCR, with the physical universe being metamorphosed into a mere manifestation of this singular existent UCR! In fact, current discovery of the UCP's Ten Hierarchical Dimensions as constituting integral and essential components of the UCP's continuous creation- "dissolution"- re-computation and evolution of the entire physical universe (and of every exhaustive spatial pixel comprising it) alters our basic conception of the universe's continuous creation process by the UCP based on its Ultimate "Geula-Goal" of bringing the universe into its "Perfected Geula State"; From the initial UCP's "Free-Will/Wisdom" Hierarchical Dimension which explicates that the entire conception, creation, sustenance and evolution of the universe – has been created and it continuously being created based on the UCP's/UCR's sole Goal of manifesting through an apparently "independent-material" physical universe the "Free-Will"/"Wisdom" of creating and evolving all forms of inanimate and animate: plants, animals and human-beings leading up to human-beings fully "evolved" recognition and realization of the singularity of this UCR! Up to the Tenth "UCP's Universal Computational Formula"/"Kingdome" Hierarchical Dimension which computes for each consecutive UF's frame/s all exhaustive spatial pixels' four basic physical features (of "space" and "energy", "mass" and "time") – we're amazed to discover that the whole Ten Hierarchical Dimensions of the UCP's continuous computation- "dissolution" re-computation and evolution of the entire physical universe is only a manifestation of the UCR's incessant drive to bring the universe towards its Ultimate

"Perfected Geula-Goal State"! We find that the continuous computation of the universe through the UCP's Ten Hierarchical Dimensions is geared towards the UCP's manifestation of ever more expansive forms of Consciousness – e.g., from inanimate "matter", through animate: "plants", "animals" and "human-beings" and leading up to the most "expansive" manifestation of Humanity manifested through its recognition, reverence, worship and (immeasurable) gratitude towards this singular higher-ordered UCR; in fact, we find that this "Compassionate" drive of the UCR to evolve and perfect every individual human-being (and Humanity as a whole) is occurring incessantly and continuously based on the UCP's "Dynamic-Equilibrium Moral Principle", which constitutes one of those "Ten Hierarchical Dimensions", as well as throughout the Ten-Hierarchical Dimensions' combined and integrated process of the UCP's continuous computation- "dissolution"- re-computation and evolution of every exhaustive spatial pixel in the universe.

Consequently, the "Old Material-Causal Physical Universe" (e.g., described by the Old 20<sup>th</sup> century Physics of Relativity Theory and Quantum Mechanics) ceases to exist and an entirely "New Universe" and "New Science" emerges based on the discovery of "G-d's Physics" discovery and realization of the singularity of this UCR and its Ten Hierarchical Dimensions, indicating that the physical universe does not exist as a "solid", "continuous" and "independent" physical reality, but rather represents a continuous process of "creation", "dissolution", "re-creation" and "evolution" of the "transient-phenomenal" manifestation of the singularity of the "Universal Consciousness Reality" as an apparently physical universe – towards the sole "Ultimate Geula-Goal", in which this singularity of the UCR will be recognized by Humanity, who will lead a "Peaceful", "Harmonious" and "Moral Existence" based on the recognition of the Oneness of the UCR and of the Dynamic-Equilibrium Moral Principle characterizing It! In fact, this New "G-d's Physics" Paradigm sheds a completely new light upon the true nature of this singular higher-ordered UCR's "wish" and "Infinite-Wisdom" – essentially striving to "perfect" the World, Humanity, and every individual human-being incessantly – e.g., through each consecutive UF's frame/s that it computes with such "Personal Providence" (i.e., a Chassidic term denoting that nothing in the universe happens "by chance" – but is rather preplanned by this singular higher-ordered UCR for the sole purpose of taking care of- and uplifting- each and every individual human-being towards his or her moral perfection and partaking in the fulfillment of the Ultimate Geula-Goal!); Indeed, as we've seen, the UCP's various Hierarchical Dimensions are based on this singular higher-ordered UCR's incessant attempt to rectify, teach and balance any "immoral-choice" taken by any particular individual human-being, and towards the fulfillment of the Perfected Moral, Spiritual and Physical State of "Geula"!

May this profound discovery made by the New "G-d's Physics" Paradigm uplift Science and the whole of Humanity towards such a truly Perfected "Geula" State of Science and the World in which the Oneness of the singular higher-ordered "UCR", "G-d Reality" will be realized and Humanity will live in Peace and harmony and out of a deep sense of gratitude, reverence and awe towards this singular higher-ordered UCR's "Infinite-Light/Wisdom", i.e., "G-d" which bestows life, abundance, sustains all human-beings, animals plants etc. and whose sole Goal is to uplift and assist each

human-being (and Humanity as a whole) towards the Inevitable Geula State of Humanity, Science and the World!

**Dedication:** This article is dedicated to my beloved Sons, Shoham and Nethanel, and beautifully innocent daughter, Neomy Tirzah Shulamit, to my Beloved wife, Shulamit Shuli, to my Beloved (diseased) Mother, Dr. Tirzah Bentwich and in loving memory of my dear grandfather Yossef Bentwich.

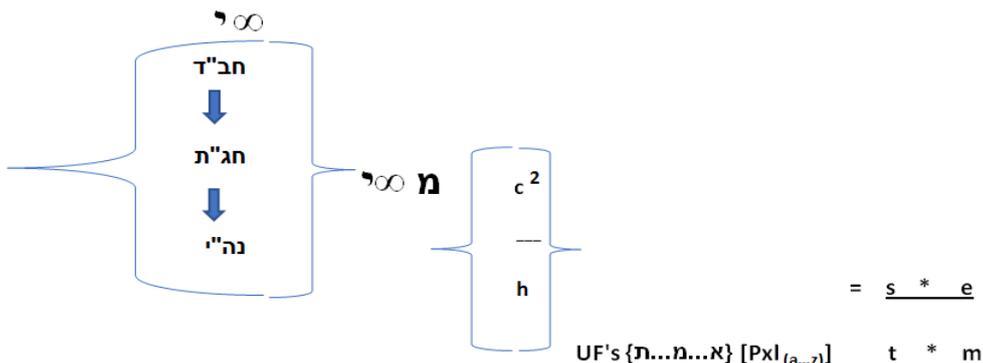


Figure 1: The ten hierarchical dimensions' universal computational formula (THD-UCF).

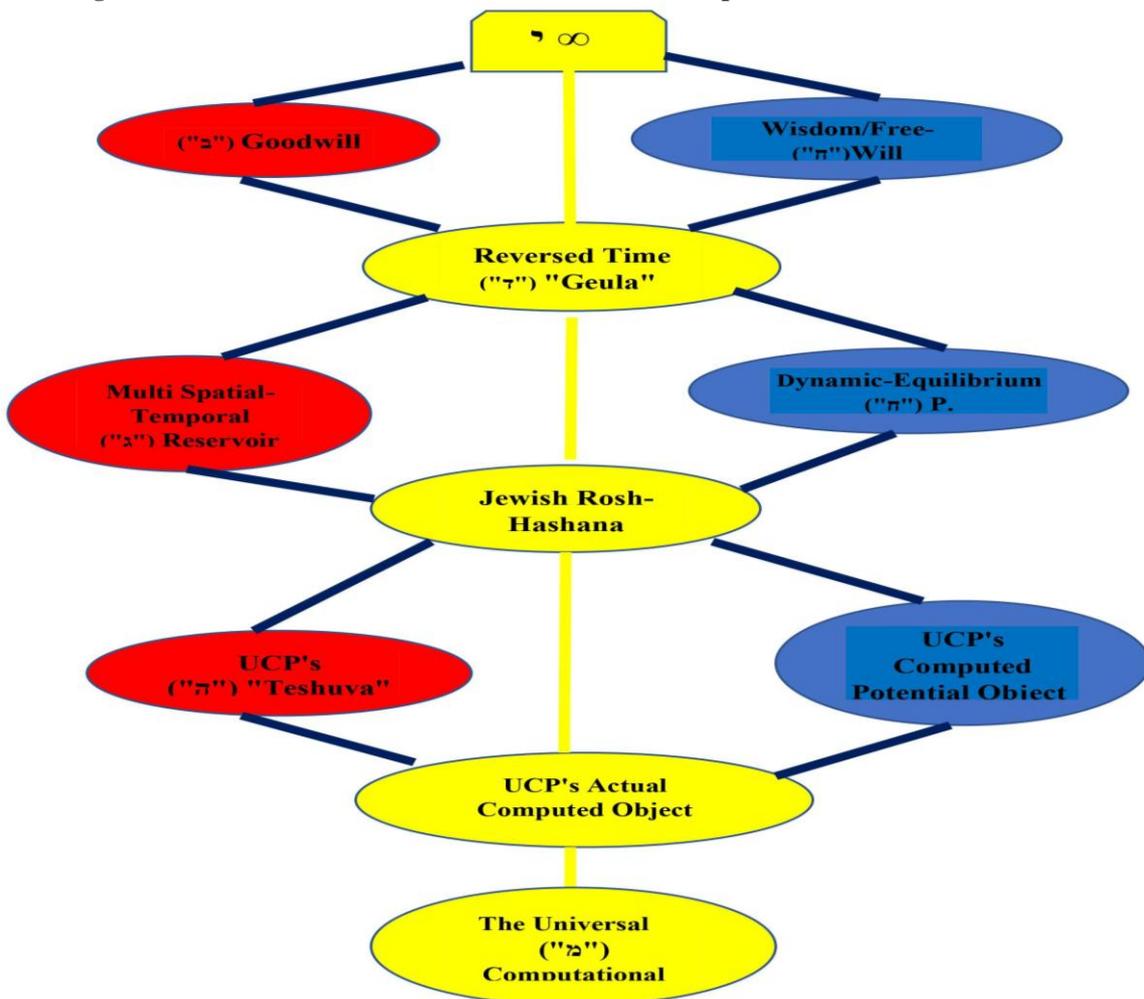


Figure 2: The ten hierarchical dimensions' diagram.

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