



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 21st 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 21st 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 21st 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 20th 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 21st Century Theoretical Physics: Perhaps the clearest instance indicating the basic "Paradigmatic-Crisis" of 20th 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 21st 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 20th 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" (20th 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 21st 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!

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 19th 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 20th 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 21st 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: "c²/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" 21st 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 Perfect 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 21st 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 21st 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 20th 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 (20th 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, 21st 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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