



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

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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 20th 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 21st 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 21st 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 21st 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 20th 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 if 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 20th 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)

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

(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 "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: " $c^2/h = 1.36 \cdot 10^{50} \text{ sec}^{-1}$ ")

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" 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 "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 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)!

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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