

G-d's Physics New Twenty-First Scientific Paradigm: A Purposeful & Meaningful Universe!

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Note: Dr. Bentovish is affiliated Zefat Academic Center; but is now seeking one of the leading Physics Universities in the World to further assist him in validating the New "G-d's Physics" Paradigm of 21st Century Theoretical Physics

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Abstract

Twenty-first century Theoretical Physics is currently undergoing a major "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying 20th century's "Relativity Theory" (RT) and Quantum Mechanics (QM) to the New "G-d's Physics" (CUFT) "A-Causal Computation" Paradigm! This profound "Paradigmatic-Shift" not only challenges the basic "Material-Causal" assumption underlying RT's "Big-Bang" Model, Einstein's Equations, negates the existence of "dark-matter" and "dark-energy" as "superfluous" (i.e., non-existent!), as well as QM's assumption regarding the "collapse" of the target's "probability wave function" as "caused" by its direct physical interaction with a corresponding "probe" element; It also points at the existence of a singular higher-ordered "Universal Consciousness Reality" (UCR) which simultaneously computes all exhaustive spatial pixels in the universe at the incredible rate of " $c^2/h = 1.36^{30}$ (sec)!", thereby creating an extremely rapid series of "Universal Frames" (UF's) which comprise the entire physical universe at every consecutive "minimal time-point" (e.g., with the entire physical universe and all of its exhaustive spatial pixels "dissolving" back into the singularity of this UCR "in-between" any two consecutive UF's frames!) Indeed, "G-d's Physics" New 21st century Scientific Paradigm, which has received initial direct empirical validation of two of its unique "Critical Predictions" – as more valid than the corresponding predictions of both RT & QM; Hence, "G-d's Physics" New 21st century "A-Causal Computation" Paradigm teaches us that there only exists this one singular higher-ordered "Universal Consciousness Reality" which exists both "during" each of its consecutively computed UF's frames, and also solely exists without the presence of the physical universe "in-between" any two such consecutive UF's frames! Viewed from this new "G-d's Physics" "A-Causal Computation" Paradigm, alongside its recent discovery of the UCR's "Ten Hierarchical Computational Dimensions – Universal Computational Formula" (THCD-UCF), the entire (continuous) "origination"- "dissolution"- re-computation- and evolution- of the entire physical universe (and every exhaustive spatial pixel comprising it) is seen as being "driven" solely by this singular higher-ordered UCR to evolve the universe from "inanimate" matter through "animate:" plants, animals and human-beings (who possess the most "expanded" form of Consciousness possessing a "Free-Moral Choice" capacity) to wards the Ultimate "Geulah Perfected State" in which this singularity of the UCR will be realized by Humanity (and Science), alongside recognition of its "All-Goodness", "Moral", "Peace" & "Harmony" basic characteristics!

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

Twenty-first century Theoretical Physics is undergoing a very profound "Paradigmatic-Shift", i.e., from the Old "Material-Causal" Paradigm of 20th century's Relativity Theory (RT) and Quantum Mechanics (QM) to the New "G-d's Physics" ("Computational Unified Field Theory", CUFT)! This profound shift centers around the basic difference between the Old "Material-Causal" Paradigm's basic assumption wherein every relativistic or quantum "phenomenon" or "entity" is explained in terms of its direct physical interaction/s with another corresponding material or physical element: Thus, for instance, Relativity Theory (RT) explains the assumed "origination" of the physical universe (e.g., including all of its "mass" energy", planets, galaxies etc.) as "caused" by an initial "Big-Bang" nuclear event. Likewise,

the whole dynamics of the evolution of the universe is assumed to be explained through Einstein's Equations' "material-causal" direct physical interactions between certain "massive-objects" and their "causing" of the "curvature of Space-Time", and conversely the "travelling-pathways" of these "massive-objects" and of other "less-massive" objects is assumed to be "caused" by this "curvature of Space-Time". Similarly, the empirically observed accelerated expansion of the physical universe is assumed to be "caused" by the presence of purely "hypothetical" "Dark-Matter" and "Dark-Energy" – which accounts for up to 95% of all of the mass and energy in the universe, but which yet cannot be detected experimentally!? This latter inability of the Old "Material-Causal" Paradigm to account for most of the assumed mass and energy in the universe is one of the reasons for the "Paradigmatic-Shift" towards the New "G-d's Physics"

(Computational Unified Field Theory, CUFT) Paradigm, which will be elaborated below.

But, first we need to understand the basic difference between the Old "Material-Causal" Paradigm of RT & QM and the New "G-d's Physics" (CUFT) Paradigm – which once again centers around the shift from a purely "material-causal" explanation of the universe, i.e., wherein every physical phenomenon or entity is assumed to be "caused" by another preceding material entity or physical interaction; towards the discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe through an extremely rapid series of "Universal Frames" (UF's) comprising all exhaustive spatial pixels comprising the entire physical universe at every "minimal time-point", e.g., at the incredible rate of " $c^2/h = 1.36^{-50}$ (sec)!" Thus, for instance, the Old "Material-Causal" basic assumption explains every subatomic (space-energy or mass-time) "target's collapsed probability wave-function" complimentary value as "caused" by its direct physical interaction with another corresponding subatomic "probe" element, i.e., which is assumed to "cause" the "collapse" of the probability wave function" into a singular complimentary (space/energy, mass/time) value. In contrast, based on the discovery of the singular higher-ordered UCP which simultaneously computes all exhaustive spatial pixels comprising the same UF's frame/s, and the discovery of this New "G-d's Physics" Paradigm that the entire physical universe "dissolves" "in-between" any two consecutive UF's back into the singularity of the UCP; therefore according to the New "G-d's Physics" Paradigm, there cannot exist any direct or even indirect physical interactions between any two (or more) exhaustive spatial pixels comprising any single- or multiple- UF's frames!

Thus, the basic difference between the Old "Material-Causal" Paradigm underlying both RT & QM and the New "G-d's Physics" (CUFT) is that whereas the Old "Material-Causal" Paradigm assumes that every material or physical entity or "phenomenon" is explained through a certain "material-causal" physical interaction with another corresponding material or physical element; according to the New "G-d's Physics" Paradigm, there cannot exist any such "material-causal" interaction/s between any two or more exhaustive spatial pixels – existing either in the same- or different- UF's frame/s! Instead, the New "G-d's Physics" assumes that the whole origination- sustenance- and evolution- of the entire physical universe is solely produced by this singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe at the incredible rate of " $c^2/h = 1.36^{-50}$ sec!" thereby producing the extremely rapid series of UF's frames constituting the entire physical universe at every minimal time-point!

As pointed above (and previously), and as discovered by the famous Philosopher of Science, Thomas Kuhn (1962) the evolution of Science (e.g., in any given subdiscipline) is characterized by its alteration between phases of "Standard Science" in which the scientific investigation within the given discipline is based on a given "Standard Paradigm", i.e., based on a given set of assumptions; and phases of a "Paradigmatic-Shift" in which that given "Standard Paradigm" no longer suffices to explain a series of "unexplained empirical phenomena", accompanying

also by the appearance of fundamental "theoretical inconsistencies" between the foundations (or "pillars") of the Old Standard Paradigm! This "impossible" state of a "Paradigmatic-Shift" (in any given scientific discipline) inevitably leads to the identification of a "New Paradigm" capable of explaining these apparent "theoretical inconsistencies" between the "pillars" of the "Old Standard Paradigm" and can also offer a satisfactory alternative explanation for those "unexplained empirical phenomenon/phenomena", based on the discovery of the "New Paradigm"! Einstein also added an important component to Kuhn's analysis of the structure of a "Paradigmatic Shift" leading to the acceptance of a "New Paradigm", based on his own personal example of identifying at least one "Critical Prediction" which differentiates between the New Paradigm's prediction and the corresponding Old-Paradigm's predictions – which if verified empirically, unequivocally leads to the acceptance of the New Paradigm as the satisfactory Paradigm of Science, e.g., in the given subdiscipline; Indeed, Einstein set a personal example for the ability of such a unique "Critical Prediction" to validate the "New Scientific Paradigm" with his "Critical Prediction" regarding Mercury's Perihelion's "double-value" curvature (around the Sun) – as compared with Newton's Old Paradigm's much decreased predicted value, which when validated by Edington's famous 1919 "Solar Eclipse" measurements "crowned" Einstein's New "General Relativity Theory" Paradigm as the "New Scientific Paradigm" for 20th Century Theoretical Physics! In much the same manner, it is suggested that the current apparent fundamental "theoretical inconsistencies" that seem to exist between the Old "Material-Causal" Paradigm of RT & QM, alongside the (abovementioned) "unexplained phenomenon" of the accelerated expansion of the physical universe – which is attributed to the purely hypothetical concepts of "Dark-Matter" and "Dark-Energy" that cannot be verified experimentally, despite numerous attempts to do so; accompanied by the New "G-d's Physics" (CUFT) Paradigm's demonstrated capacity to resolve those apparent "theoretical inconsistencies" between RT & QM, alternative theoretical explanation for the accelerated expansion (which will be outlined below) of the universe and identification of two unique "Critical Predictions" differentiating the New "G-d's Physics" Paradigm from the corresponding prediction of the Old "Material-Causal" Paradigm of RT & QM, could lead to the acceptance of the New "G-d's Physics" (CUFT) Paradigm as the New satisfactory Paradigm of 21st century Theoretical Physics!

Indeed, we now stand at precisely an equivalent "theoretical state" – to the state of Theoretical Physics prior to the empirical validation of Einstein's 20th Century (the "New") Paradigmatic Shift brought about by his General Relativity Theory (GRT):

2. "G-d's Physics" Theoretical Postulates:

The major "Theoretical Postulates" of the New "G-d's Physics" Paradigm include:

a) The "Universal Computational/Consciousness Principle" (UCP): "A-Causal Computation" Paradigm

The fundamental discovery made by the New "G-d's Physics" Paradigm is that there exists a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe at the incredible rate of " $c^2/h = 1.36^{-50}$ (sec)" thereby producing

an extremely rapid series of "Universal Frames" comprising all exhaustive spatial pixels in the universe for each "minimal time-point"! According to this new UCP theoretical postulate, the entire universe "dissolves" "in-between" any two consecutive UF's frames back into the singularity of this UCP! Indeed, due to the simultaneity of the UCP's computation of all exhaustive spatial pixels in the universe comprising each consecutive UF/s frame/s, the New "G-d's Physics" Paradigm is considered as an "A-Causal Computation" Paradigm – i.e., it negates the very possibility of the existence of any "material-causal" direct (or even indirect) physical interactions between any two (or more) exhaustive spatial pixels existing either in the "same" or "different" UF's frames! This is simply due to the fact that based on the simultaneity of the UCP's computation of all exhaustive spatial pixels comprising any given UF's frame, there cannot exist any such "material-causal" direct/indirect physical interactions between any two (or more) exhaustive spatial pixels; and similarly, "in-between" any two consecutive UF's frames, there cannot exist any such direct/indirect "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels – since all of the exhaustive spatial pixels comprising the entire physical universe "dissolve" back into the singularity of the UCP "in-between" any two consecutive UF's frame/s!

In order to explain this fine (abstract) new "UCP/A-Causal Computation Paradigm" postulate the New "G-d's Physics" Paradigm utilized a "Cinematic Film Metaphor" depicting: the apparent "breakage of a 'Glass-Jar' by the impact of another 'Mercury-Ball' which seem to "cause" the "spillage of the water" originally contained within that 'Glass-Jar'... Imagine a series of film-frames depicting such a scenario in which such a 'Mercury-Ball' is presented as "approaching" the "Glass-Jar", then "hitting" it – which "causes" the spillage of the water contained in the 'Glass-Jar'; Surprisingly, even though it "seems" that the clear "cause" for the "breakage" of the 'Glass-Jar' and consequent "spillage" of its water (on the table upon which it is placed) – is the impact of the 'Mercury-Ball'; if we are to closely examine the "true-dynamics" of this Cinematic Film scenario, we will undoubtedly find out that in reality there does not exist any "direct" physical interactions between these two 'Mercury-Ball' and 'Glass-Jar' objects at any single or multiple film-frames comprising this brief film-scenario! This is because at each of these consecutive film-frames both the 'Mercury-Ball' and 'Glass-Jar' are presented simultaneously, so that they cannot interact with each other, and moreover "in-between" each two such consecutive film-frames both of these objects (as well as all other objects contained in the film-scenario) "dissolve" back into the "pure-light" that is projected in-between any two film-frames... So, we must reach the inevitable conclusion wherein despite the "appearance" of a direct "material-causal" physical interaction between these two "Mercury-Ball" and "Glass-Jar" objects, in reality there cannot exist any such direct/indirect "material-causal" physical interactions between them; Instead, what truly exists is the "arrangement" of the given series of film-frames that depict an ever closer spatial proximity of these two objects, followed by their "spatial-conjoining" followed by the apparent "breakage" of the 'Glass-Jar' and "spillage" of the water originally contained within it?! Hence, this "Cinematic Film Metaphor" assists us in beginning to comprehend the New "G-d's Physics" "A-Causal Computation" Paradigm which explains the origination- sustenance- "dissolution" (of the entire physical universe back into the singularity of the UCP "in-between" any two consecutive UF's frames)- and evolution- of the universe solely based on this singular, higher-ordered Universal Computational/Consciousness Principle's (UCP) continuous computation- "dissolution"

(of the universe "in-between" any two consecutive UF's frames), re-computation, and evolution of the entire physical universe!

b). The UCP's Three Computational Dimensions:

Indeed, the New "G-d's Physics" Paradigm offers a new (and exciting) theoretical explanation for the manner in which this singular higher-ordered UCP simultaneously computes the four basic physical features of "space" and "energy", "mass" and "time" – based on two out of its three hypothesized "Computational Dimensions", e.g., "Framework" ("frame" vs. "object") and "Consistency" ("consistent" vs. "inconsistent"); According to "G-d's Physics" New Paradigm, the UCP simultaneously computes for every exhaustive spatial pixel comprising the entire physical universe these four basic physical features based on particular computational combinations, e.g., an "Object" – "consistent" or "inconsistent" computation derives the two (corresponding) physical features of "mass" and "time", whereas the UCP's computation of any given object's "Frame" – "consistent" or "inconsistent" values yields its "space" and "energy" characteristics!

c). The "Universal Computational Formula" (UCF):

Another key discovery made by the New "G-d's Physics" Paradigm is the complete unification of the four basic physical features of "space", "energy", "mass" and "time" as secondary computational by-products computed simultaneously for every exhaustive spatial pixel in the universe for each consecutive UF's frame/s! This arises directly from the abovementioned computational definitions of these four basic physical features as "Frame" – "consistent" ("space") or "inconsistent" ("energy"), or as "Object" – "consistent" ("mass") or "inconsistent" ("time"); Therefore, the newly discovered "Universal Computational Formula" completely integrates – for the first time in Physics, those four basic physical features as secondary computational by-products of the UCP's singular (higher-ordered) computation! This is because previously, Einstein's GRT was only capable of integrating between "space" and "time" – as the four-dimensional "Spacetime" continuum, or between "energy" and "mass" – based on his famous Energy-Mass Equivalence: "E = Mc²", alongside the postulated curvature of "Spacetime" by massive objects). Indeed, this (original) "Universal Computational Formula" (UCF) was shown to completely integrate – not only those four basic physical features (as "secondary computational by-products" of the singular higher-ordered UCP's simultaneous computation of every exhaustive spatial pixel comprising the entire physical universe); but was also shown to embed key Relativistic (e.g., Energy-Mass Equivalence) or Quantum (Heisenberg's "Uncertainty Principle") as "special-cases" within the broader, more exhaustive UCF's theoretical framework.

Universal Computational Formula (UCF):

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

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir"

of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through ט" to "ת" depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: " $c^2/h = 1.36^{-50}$ sec'!

d). The "Computational Invariance Principle" & "Universal Consciousness Reality":

Another two new (profound) theoretical postulates proposed by the New "G-d's Physics" Paradigm are called: the "Computational Invariance Principle" and closely associated "Universal Consciousness Reality" (UCR): According to the UCR postulate, since only the "Universal Computational/Consciousness Principle" (UCP) remains constant and continuous – both "during" its computation of the four basic physical features (e.g., of "space", "energy", "mass" and "time") of every exhaustive spatial pixel comprising each consecutive Universal Frame/s, and also solely existing without the presence of any physical universe it may be considered as "computationally-invariant"; whereas the existence of every exhaustive spatial pixel's four basic physical features may only be regarded as "computationally-variant", e.g., existing only "transiently" and "phenomenally" "during" the UCP's sole computation of every consecutive UF's frame/s but ceasing to exist (and "dissolving back into the singularity of the UCP) "in-between" any to consecutive UF's frames; therefore the "Computational Invariance Principle" theoretical postulate posits that only the "computationally-invariant" UCP may be regarded as "real", "continuous" and "permanent", whereas the "computationally-variant" exhaustive set of all spatial pixels' four basic physical features (of "space", "energy", "mass" and "time") comprising the entire physical universe must be seen as only "transient" and "phenomenal" manifestations of this singular UCP!/? Indeed, this surprising "Computational Invariance Principle" is closely associated with the novel and quite profound "Universal Consciousness Reality" (UCR) which states that since only the UCP is regarded as "computationally-invariant", e.g., "real", "constant" and "continuous", whereas all exhaustive spatial pixels comprising the entire physical universe are deemed as "computationally-variant", e.g., existing only "transiently" and "phenomenally" as solely computed by this singular reality of the UCP; hence the "Universal Consciousness Reality" (UCR) theoretical postulate asserts that there exists only one singular "Universal Consciousness Reality" (UCR) – which exists uniformly and continuously both "during" its computation of every exhaustive spatial pixel's four basic physical features (of "space", "energy", "mass" and "time") and also exists solely (without any presence of any physical universe) "in-between" any two consecutive UF's frames; and therefore that the entire physical universe is realized to constitute only a "transient-phenomenal" manifestation of this singular higher-ordered UCR reality!

Indeed, the discovery of these two "Computational Invariance Principle" and "Universal Consciousness Reality" postulates inevitably lead Theoretical Physics into a profound new realization that the origin- sustenance- and evolution- of the entire physical universe may no longer be studied in terms of any direct "material-causal" physical interactions, e.g., either at the relativistic or quantum-subatomic levels, but rather must focus on the

unique computational characteristics of this singular higher-ordered "Universal Computational Principle" (UCP)! Hence, what follows is a delineation of the UCP's newly discovered "Ten Hierarchical Computational Dimensions", which explicate the manner in which this singular higher-ordered UCP computes- "dissolves"- re-computes- and evolves every exhaustive spatial pixel in the universe for each successive Universal Frame/s (at the incredible rate of " $c^2/h = 1.36^{-50}$ (sec)'!

3. Direct Empirical Validation of "G-d's Physics" Unique "Critical Predictions"!

In order to directly contrast between the New "G-d's Physics" (CUFT) Paradigm and the corresponding predictions of the Old "Material-Causal" Paradigm, "G-d's Physics" identified a unique "Critical-Prediction" stemming from its new "computational definitions" of the four basic physical features of "space", "energy", "mass" and "time" – based on the UCP's singular higher-ordered two "Computational Dimensions" of "Framework" (frame/object) and "Consistency" (consistent/inconsistent): According to this new UCP's Computational Dimensions definition of the "mass" of any given particle as an "object-consistent" computational measure:

$$M: \sum [O_i \{o-x, o-y, o-z\} [UF(n)] = O(i \dots n \{o-x, o-y, o-z\} \{UF(i \dots n)\} / h * n \{UF's(i \dots n)\})$$

where the UCP's computational measure of the "mass" value of any given object is computed based on the number of times in which the "Object-consistent" "internal" {o-x,o-y,o-z} values across a given series of UF's frames remains constant (e.g., identical):

such that:
 $M: [O_i \{x,y,z\} UF's(i)] - O_n \{x,y,z\} UF's(i \dots n)] \leq n * h [\{UF's(i \dots n)\}]$

Wherein the UCP's computational measure of "mass" represents its computation of the number of UF's frame/s in which the "Object-consistent" internal values cannot exceeds a minimal increase based on a multiplication of the number of UF's frames by Planck's constant value.

"G-d's Physics" unique "Critical-Prediction" predicts that relatively "more-massive" particles such as the (negatively charged) "Muon" would be measured as more "spatially-consistent" than an equivalently (negatively charged) "electron" particle! This unique "G-d's Physics" "Critical-Prediction" was de-facto tested by the "Proton-Radius Puzzle" associated experiments conducted by Pohl et al. (2010) :

Pohl et al. (2010) set to measure the radius of a Hydrogen Proton – contrasting between the Standard Hydrogen surrounded by the (negatively charged) electron, and a "Muonic Hydrogen" in which its electron was replaced by a much more massive (negatively charged) "Muon" particle; Surprisingly, they found that the Proton radius was greatly decreased in the Muonic-Hydrogen, than in the Standard Hydrogen – which they termed as the "Proton-Radius Puzzle", because it could not be satisfactorily accounted for by Relativistic or Quantum Models?!

In contrast, these findings conform and validate the unique "Critical-Prediction" of the New "G-d's Physics" Paradigm stemming from its abovementioned new UCP's computational definition of the "mass" of any given subatomic particle:

$$M: \sum [O_i \{o-x, o-y, o-z\} \{UF(n)\}] \\ = O(i...n \{o-x, o-y, o-z\} \{UF(i...n)\} / h * n \{UF's(i...n)\})$$

where the UCP's computational measure of the "mass" value of any given object is computed based on the number of times in which the "Object-consistent" "internal" {o-x, o-y, o-z} values across a given series of UF's frames remains constant (e.g., identical).

This is because according to the New "G-d's Physics" UCP's computational definition of the "mass" value of any given subatomic particle, a more massive a particle possesses more "spatially-consistent" physical features – therefore predicting the "Critical-Prediction" of the relatively "more-massive" Muonic Hydrogen Proton possessing a more "spatially-consistent", i.e., smaller and more accurate, than the relatively "less-massive" electron-associated Standard Hydrogen Proton measurements! Noteworthy is the fact that this unique "Critical Prediction" of the New "G-d's Physics" Paradigm regarding the more "spatially-consistent" measurements of the relatively more massive "Muon-Hydrogen" as opposed to the relatively less-massive "electron-Hydrogen" – could not be accounted for by the Old "Material-Causal" Paradigm of RT & QM (e.g., despite various attempts to explain this "Proton-Radius Puzzle" findings: the "three-body force" (Karr & Hilico, 2012), interactions between gravity and the weak force, or a flavour-dependent interaction, (Onofrio, 2013; Zyga, 2013), higher dimension gravity, (Dahia, & Lemos, 2016), a new boson, (McKeen & Miller, 2016) and the quasi-free hypothesis π^+ (Lestone, 2017); and therefore constitutes a direct empirical validation of this New "G-d's Physics" (CUFT) Paradigm!

Hence, we see that the unique "Critical-Prediction" of "G-d's Physics" New "A-Causal Computation" Paradigm received direct empirical validation by Pohl et al's. (2010) "Proton-Radius Puzzle" findings, thereby providing initial direct evidence for the satisfactory acceptance of "G-d's Physics" as the New "A-Causal Computation" Paradigm for Twenty-first century Theoretical Physics! Amongst the potentially significant theoretical ramifications of this New Paradigm are:

a). The "Universal Computational Formula" (UCF) (extensively described previously):

describes the manner in which this singular higher-ordered UCP simultaneously computes every exhaustive spatial pixels' four basic physical features of "space", "energy", "mass" and "time" – thereby completely unifying between these four physical features (for the first time)! This new UCF's complete unification of the four basic physical features was also shown to allow for the complete unification of the Four Forces of Nature!

Universal Computational Formula (UCF):

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

UF's {n...n...n} t * m

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

The direct empirical validation of "G-d's Physics" Critical Prediction associated with the "Proton-Radius Puzzle" findings leads to the acceptance of its "A-Causal Computation" New Paradigm negating the previous Old "Material-Causal" Paradigm's basic assumptions of the "Big-Bang" Model, discards "dark-matter" and "dark-matter" (purely hypothetical concepts), and urges Physicists and Cosmologists/Astronomers to further validate "G-d's Physics" additional "Critical-Predictions" (previously delineated): a) Greater number of "Fine-Temporal Measurements" (FTM) of relatively "more massive" particles (such as the Muon), than for relatively "less-massive" particles (such as the electron); b) The "Universe's Non-Continuous Accelerated Expansion at the Jewish 'Rosh-Hashana'" (UNCAE-JRH) two-days special "Collective Human Consciousness Focus".

4. "G-d's Physics" "A-Causal Computation" Paradigm Negates the Old "Material-Causal" Paradigm!

The key point to be understood is that with the acceptance of the New "G-d's Physics" "A-Causal Computation" Paradigm, e.g., based on the abovementioned empirical validation of two unique "Critical Predictions" of this New "G-d's Physics" Paradigm; then this principally negates the Old "Material-Causal" Paradigm of 20th century's Relativity Theory (RT) & Quantum Mechanics (QM)! This is simply because since the New "G-d's Physics" "A-Causal Computation" Paradigm is based on the discovery that the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) simultaneously computes all exhaustive spatial pixels in the universe for each consecutive Universal Frame/s (UF's) therefore there cannot exist any direct or even indirect "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels existing in any single- or multiple- UF's! Likewise, there cannot exist any such "material-causal" physical interaction/s "in-between" any two consecutive UF's frame/s because the whole physical universe "dissolves" back into this singular higher-ordered UCP "in-between" any two consecutive UF's frame/s! We are therefore "forced" to accept this basic "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm's basic assumption wherein it is assumed that every macroscopic "relativistic" or microscopic quantum phenomenon, entity or effect/s etc. is "caused" (or can be explained based on) direct or indirect "material-causal" physical interaction/s – to the New "G-d's Physics" "A-Causal Computation" Paradigm's new understanding that (in principle) there cannot exist any such direct or indirect physical interaction/s between any two (or more) exhaustive spatial pixels existing in the same- or different- UF's frame/s!

The physical universe, therefore could not have been "caused" or "created" by an initial "Big-Bang" nuclear event – because there could not have been any direct (or indirect) "material-causal" physical interaction/s occurring in the "first"- "second"- "third"- "nth" – etc. UF's frames between any two (or more) exhaustive spatial pixels existing in any of these "n" etc. UF's frames, nor "in-between" those nth" etc. UF's frames (due to the complete "dissolution" of the whole universe "in-between" any two such consecutive UF's frames (back into the singularity of this UCP)! Nor could the universe's empirically observed accelerated rate of expansion be attributed to any purely hypothetical "dark-matter" or "dark-energy" concepts – because over and beyond the fact

that these (purely hypothetical) "dark-matter" and "dark-energy" concepts could not be verified directly empirically for the past two full decades; even theoretically, "G-d's Physics" New "A-Causal Computation" Paradigm negates the very possibility of the existence of any such "material-causal" (direct or indirect) physical interaction/s between any two (or more) exhaustive spatial pixels existing in any single- or multiple- UF's frame/s, e.g., including between any such (purely hypothetical) "dark-matter" or "dark-energy" entities and any galactic element/s (assumed to "cause" the expulsion of those galactic elements – giving rise to the accelerated expansion of the universe)! Likewise, General Relativity's Einstein's Equations' basic "material-causal" assumption wherein it is assumed that it is the direct physical interaction/s between certain "massive objects" and their "causing" of the "curvature of Space-Time" (or conversely, that it is this "curved Space-Time" that "causes" or determines the "travelling-pathways" of these "massive objects" or other "less-massive" objects) – which is (once again) strictly negated by the New "G-d's Physics" "A-Causal Computation" Paradigm, e.g., due to the simultaneity of the singular higher-ordered UCP's computation of all exhaustive spatial pixels in the universe for ever consecutive UF's frame/s! Similarly, Quantum Mechanics' basic "material-causal" assumption wherein it is assumed that the measurement of any subatomic "target" particle is dependent upon the direct "material-causal" physical interaction/s of this subatomic "target's probability wave-function" with another corresponding subatomic "probe" element – which is assumed to "cause" the "collapse" of this "target's probability wave-function" to a singular (complimentary) "space-energy", "time-mass" value; is principally negated by "G-d's Physics" New "A-Causal Computation" Paradigm due to this singular higher-ordered UCP's simultaneous computation of all exhaustive spatial pixels comprising every consecutive UF's frame/s (which negates the very possibility of the existence of any such direct or even indirect "material-causal" physical interaction/s between any two or more exhaustive spatial pixels including the stipulated interaction between the subatomic "probe" and "target" elements)! Another principle negation of this New "G-d's Physics" "A-Causal Computation" Paradigm is of Darwin's "Natural Selection Principle" which assumes that it is the direct (or indirect) physical interaction/s between certain organism/s and an exhaustive set of "Environmental Factors" which "causes" (or determines) the survival of only those organism/s that are "most compatible" to these "Environmental Factors", whereas the "less compatible" organism/s will "not survive" leading to the passage of the "genetic information" of only those "compatible organism/s" to the next generation etc.; But, as shown previously, this "Natural Selection Principle" is also principally negated by the New "G-d's Physics" "A-Causal Computation" Paradigm – due to its implicit "material-causal" assumption wherein it is the direct (or even indirect) "material-causal" physical interaction/s between any given ("compatible" or "less-compatible") organism and those "Environmental Factors" which "causes" the selection of only those "environmentally-compatible" organism/s; because (once again) according to the New "G-d's Physics" "A-Causal Computation" Paradigm, the simultaneity of the UCP's computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s negates the very possibility of any such (direct or even indirect) "material-causal" physical interaction/s in any single or multiple UF's frames!

More generally, it's been shown (previously), that the basic Computational Structure of this Old "Material-Causal" Paradigm, e.g., termed as a "Self-Referential Computational System" (SRCS) inevitably leads to both "logical inconsistency" and ensuing "computational indeterminacy" which are negated by each of these (respective) "Relativistic", "Quantum" or indeed "Evolutionary" etc. Computational Systems – as inferred by "G-d's Physics" "Computational Duality Principle":

The key important implication of the abovementioned "G-d's Physics" New "A-Causal Computation" Paradigm is that it is not possible to compute

We therefore reach the inevitable theoretical conclusion, wherein it is not possible, in principle, for any such SRCS Relativistic, Quantum (or Evolutionary etc.) System to exist and that, in fact, the only viable Computational Structure of both Inductive and Deductive Science is the recognition of the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) that simultaneously computes all exhaustive spatial pixels in the universe for each consecutive UF's frame/s (e.g., at the incredible rate of " $c^2/h = 1.36^{-50}$ sec⁻¹!")

5. "G-d's Physics" "Computational Invariance Principle" & "Universal Consciousness Reality" Postulates!

The next subsequent major advancement in our basic understanding of the true nature of the physical universe and its development is associated with two other major Theoretical Postulates discovered by the New "G-d's Physics" Paradigm, namely: the "Computational Invariance Principle" and closely associated "Universal Consciousness Reality"; This is because whereas the Old "Material-Causal" Paradigm (underlying 20th century's Relativity Theory and Quantum Mechanics) assumed that the universe is comprised of certain Relativistic or Quantum "material entities" which are governed by "material-causal" interactions (and laws), according to "G-d's Physics" newly discovered "Computational Invariance Principle" and associated "Universal Consciousness Reality" (UCR) the entire physical universe and all of its exhaustive spatial pixels' four basic physical features of "space" and "energy", "mass" and "time" only represent "transient-phenomenal" manifestations of the singular higher-ordered "Universal Consciousness Reality" (or UCP)! This is because according to the "Computational Invariance Principle" since only the "computationally-invariant" UCP exists both "during" each consecutive UF's frame/s, wherein it simultaneously computes all exhaustive spatial pixels' four basic physical features (of "space", "energy", "mass" and "time") comprising each UF's frame, and also exists "in-between" any two such consecutive UF's frames (e.g., without the presence of any physical universe since all exhaustive spatial pixels comprising the entire universe "dissolve" back into the singularity of this UCP "in-between" any two consecutive UF's frames); whereas the entire physical universe, e.g., including all of its exhaustive spatial pixels' four basic physical features is regarded as only "computationally-variant", i.e., existing only "transiently" and "phenomenally" "during" each consecutive UF's frame/s (as solely dependent upon the computation of this singular higher-ordered UCP) but "ceasing to exist" and "dissolving" back into the singularity of this UCP "in-between" any two consecutive UF's frame/s; therefore the "Computational Invariance Principle" states that only

this singular higher-ordered "computationally-invariant" UCP may be regarded as "real", "constant" and "continuous", whereas the whole physical universe (and all of its exhaustive spatial pixels' four basic physical features of "space", "energy", "mass" and "time") may only be regarded as "transient-phenomenal" manifestations of this singular higher-ordered UCP!

Subsequently, the closely associated "Universal Consciousness Reality" theoretical postulate reasons that since only this singular higher-ordered "Universal Computational/Consciousness Principle" is regarded as "real", "constant" and "continuous", whereas the entire physical universe (and all of its exhaustive spatial pixels' four basic physical features) are seen as only "transient-phenomenal" manifestations of this singular reality; therefore the "Universal Consciousness Reality" (UCR) postulates that in truth, there only exists one singular "constant", "continuous" and "uniform" reality which is this "Universal Consciousness Reality" (UCR) that exists both "during" its simultaneous computation of all exhaustive spatial pixels comprising every consecutive UF's frame/s, and also solely exists "in-between" any two consecutive UF's frames! In effect, this new profound "Universal Consciousness Reality" (UCR) completely metamorphosizes our basic understanding and appreciation of the true nature of the physical universe: Because it tells us that, in truth, there does not exist any "physical universe" as an "independent-material" entity, but rather that the true nature of the physical universe is solely its singular higher-ordered UCR which manifests "transiently" and "phenomenally" as the physical universe – for each consecutive UF's that it (simultaneously) computes! Indeed, this new UCR realization may be somewhat "shocking" (at least initially) because it undermines the basic "material-causal" or "materialistic" assumption characterizing not just the Old "Material-Causal" Paradigm underlying 20th century's RT & QM – but more fundamentally the entire Cartesian "Materialism" or "Materialistic-Reductionistic" assumption underlying the entire evolution of Modern Science (e.g., from Descartes through Newton and with Einstein's Relativity Theory and concurrent Quantum Mechanics) – all based on the basic "premise" that the universe is comprised of "material-entities" and is as a whole a "material" phenomenon!?

But, as the great Einstein (considered one of the two greatest "geniuses" the world has known) himself remarked that "commonsense is only that which is common to the senses"?! Einstein also remarked that "sometimes I ask myself how come it occurred that I developed the Theory of Relativity: I think it is because most people "wonder" about "space", "time", "energy" and "mass" when they're children, and by the time they become adults they've "figured it out"; because my "intellectual development" has been "retarded" I continued to think about these matters as an "adult"?!"

In other words, the "genius" of Einstein allowed him to "think outside the box", outside the basic accepted "commonsense" assumptions – which in turn made him make "unconventional discoveries" outside of the Old "Newtonian Mechanics" conventions! Science is the uncompromising pursuit and investigation of "truth" – no matter how "unconventional" or even "unsettling" such ever closer discovery of the "Truth" may be! So, "G-d's Physics" New Twenty-first century Scientific Para-

digm has now reached a profound "turning point" of a profound "Paradigmatic-Shift" – not only from the Old "Material-Causal" Paradigm underlying both RT & QM, but more significantly, "metamorphosizing" our whole basic "Cartesian-Materialistic" conception and understanding of the universe (and our own human world)! Because according to "G-d's Physics" New Paradigm's "Universal Consciousness Reality" we must realize and accept that the universe is "non-material", and "non-causal"! it is truly comprised of this singular "Universal Consciousness Reality" which solely creates (computes)- "dissolves"- re-computes and evolves every exhaustive spatial pixel in the universe simultaneously (at the incredible rate of " $c^2/h = 1.36^{50}$ (sec!)") The very fact that the whole universe "dissolves" back into this singular "Universal Consciousness Reality" (UCR) "in-between" any two subsequent UF's frames and "ceases to exist" teaches us that (as the "Computational Invariance Principle" stated) the true nature of the universe is "non-material"!

6. "G-d's Physics" UCR's Ten Hierarchical Computational Dimensions' Universe's Computation!

Indeed, this new and profound realization that the "physical universe" is truly "non-material" (or "non-physical"!)) but is only a manifestation of the singular real "Universal Consciousness Reality" can also be glanced from the fact that no "material" – "entity", "element/s" or "force" could be "transferred" across any two consecutive UF's frames, because the whole entire universe "dissolves" "in-between" any two consecutive UF's frames; so that there cannot be any "transference" of any "material" element/s between- or across- any two consecutive UF's frames; Instead, we reach the inevitable conclusion wherein the only "means" for the continuous computation- dissolution- re-computation- and evolution- of the entire physical universe (and every constituting exhaustive spatial pixel comprising it) is solely through- and entirely based upon- this singular higher-ordered "Universal Consciousness Reality" which "remembers", "dissolves", "re-creates" and "evolves" every exhaustive spatial pixel in the universe at the unfathomable rate of " $c^2/h = 1.36^{50}$ (sec!) so, we realize that the computation- sustenance- re-computation- and evolution- of the entire physical universe is solely dependent upon- and anchored in- the "creative power" of this singular "Universal Consciousness Reality" – but does not exist as any "material entity" (e.g., which "dissolves" and "ceases to exist" – dissolving back into the singularity of this singular higher-ordered UCP, so many billions of times each second!)

Indeed, perhaps the greatest "breakthrough discovery" of the New "G-d's Physics" Paradigm is the discovery of the singular higher-ordered UCP or UCR which simultaneously computes all exhaustive spatial pixels in the universe for each consecutive UF's frame/s, because it points at the singularity of the UCP's/UCR's (simultaneous) computation of all exhaustive spatial pixels comprising the series of UF's frames – and negates the very possibility of the existence of any direct or indirect "material-causal" physical interactions between any two (or more) exhaustive spatial pixels existing in any single- or multiple- UF's frame/s, as outlined above (e.g., including the "Computational Duality Principle" as part of "G-d's Physics" "A-Causal Computation" Paradigm)! So, as part of the fundamental "Paradigmatic-Shift" that is taking place with from the Old "Material-Causal" Paradigm (underlying RT & QM) to the New "G-d's Physics"

"A-Causal Computation" Paradigm, is the realization that the universe: a) does not exist a "solid-material" (continuous) entity, but is rather only a "transient-phenomenal" manifestation of the only "real", "constant" and "continuous" "Universal Consciousness Reality" (UCR) which alone computes- "dissolves"- re-computes- and evolves- (simultaneously) every exhaustive spatial pixel in the universe for each consecutive UF's frame/s! Further developments of this this New "G-d's Physics" Paradigm revealed that this singular higher-ordered UCP/UCR possesses Ten Hierarchical Computational Dimensions associated with the previously discovered "Universal Computational Formula", termed: the "Ten Hierarchical Computational Dimensions' – Universal Computational Formula" (THCD-UCF); This newly discovered "THCD-UCF" teaches us that the continuous computation- dissolution- re-computation- and evolution of every exhaustive spatial pixel in the universe, e.g., as well as the entirety of the physical universe is "motivated" and "created" based on these THCD!

Before delving into the intricacies of this THCD-UCF it is important to highlight the "apex" of this THCD-UCF's UCP's/UCR's "primary motivation" – i.e., of a "Geulah-Goal Directed Universe" (e.g., which will be further delineated below): that is, the prime "motivation" of this singular higher-ordered UCR (or UCP) is to bring the universe to its "Perfected Geulah-Goal" State – in which Humanity (and Science) will recognize (and realize) the singularity of this "Universal Consciousness Reality" (UCR) and its basic "Dynamic-Equilibrium Moral Principle" pointing at the "oneness" of all human-beings with this singular UCR, and its consequent realization that all human-beings must respect and treat positively each other, leading to a state of "Peace", "Harmony" and "Gratitude" towards this singular "All-Goodness" UCR Reality!

e). The Universal Consciousness Reality's (UCR) "Ten-Hierarchical Computational Dimensions":

1). The UCR's "Wisdom/Free-Will" Hierarchical Computational Dimension ("המכח"):

The UCP's first (initial highest) Hierarchical Computational Dimension is termed: the UCP's "Wisdom/Free-Will" which relates to the UCP's complete "Free-Will" in its computation and "laws" pertaining to the successive computation- "dissolution" re-computation- and evolution- of every exhaustive spatial pixel in the universe (e.g., since it is not bound by any "material-causal" physical interactions and it possesses Infinite Wisdom); Indeed, this initial UCR's "Free-Will/Wisdom" Hierarchical Computational Dimension is characterized by a "Free-Will/Wisdom" of the UCR's initial conception of the creation of an apparently "separate" and "independent" physical universe – which seems to exist "independently" of the UCR's sole creation, sustenance and evolution of it(!?), but which will nevertheless evolve into the ultimate "Goal" of creating Human-Beings possessing the most "expansive" form of Consciousness that will recognize and appreciate the sole existence and "All-Goodwill" characteristics of this singular higher-ordered UCR! It represents the UCP's initial impetus and Wisdom's conception of the possibility of creating an apparently "independent" physical universe (e.g., from its true sole "Universal Consciousness Reality's" sustenance of it) that will "evolve" the most "expansive" form of Human Consciousness leading to a recognition and appreciation of the

singularity of this UCR's "Infinite Wisdom", "All-Goodness" characteristics!

2. The UCP's "All-Goodness/Computation" Hierarchical Dimension ("הניב"):

The UCP's secondary Hierarchical Computational Dimension of "All-Goodness/Computation" (הניב) regards the further development of the UCR's "Hierarchical Computational Plan" execution of this initial "Free-Will/Wisdom" general conception of the creation of an apparently "independent" physical universe that evolves into Humanity's ultimate "Geulah" State of recognizing, appreciating and living in accordance with this singular UCR's "All-Goodness" characteristics: This secondary "All-Goodness/Computation" Hierarchical Dimension conceives of the UCP's principle computation of each and every exhaustive spatial pixel – possessing the four basic physical features of "space" and "energy", "mass" and "time", which allows for the creation of apparently "independent" "living-organisms", e.g., each possessing varying degrees of "awareness" or "Consciousness", and existing apparently "independent" of their true- sole- source of the Universal Consciousness Reality! Indeed, it is this apparent "independence" of every Biological form (e.g., plants, animals and human-beings) from the singular "Universal Consciousness Reality" (UCR) which manifests the UCR's "All-Goodness" benevolent characteristic, since it sustains all of Life – continuously creating- "dissolving"- re-creating- and evolving every living form throughout its life-cycle, as well as produces ever more "expansive" form of Consciousness (e.g., leading up to human-beings, as further delineated in the third Hierarchical Computational Dimension, below):

3. The UCR's "Reversed-Time Geulah Goal" Hierarchical Computational Dimension ("Daat"/"העד"):

The UCR's fourth Hierarchical Computational Dimension is termed: the "Reversed-Time 'Geulah' Goal" which describes (for the first time in the UCR's successive hierarchical manifestation of the physical universe) the UCR's full-complete "Blueprint Architectural Hierarchical Plan" for creating and "evolving" the entire physical universe in order to create- progressively more "expansive" forms of Consciousness, i.e., from "inanimate", "animate": plants, animals, human-beings and up to the "Ultimate Geulah Goal" of Humanity's (and Science's) recognition of the sole and singular reality of the Universal Consciousness Reality (UCR); It describes the UCR's entire Hierarchical Computational Plan for evolving and manifesting increasingly more "expansive" forms of this singular UCR – e.g., from inanimate "matter", through "animate": plants, animals, human-beings and up to the most "expansive" form of "Collective Human Consciousness" recognizing and leading a "Perfected: Moral, Spiritual & Physical State": in which Humanity recognizes the singularity of this "Universal Consciousness Reality" (UCR) including the basic , "Dynamic-Equilibrium Moral Principle" which compels human-beings and Humanity as a whole to lead a Moral, Harmonious & Peaceful Human Existence. It is termed "Daat" (העד in the Jewish Chassidic-Kabbalah tradition because it signifies the UCR's "Knowledge" or "Plan" for the entire evolution of the physical universe – leading to the UCR's "Ultimate Geulah Goal"! Indeed, this fourth Hierarchical Computational "Reversed-Time Geulah Goal" Dimension offers a new profound insight into the UCR's overall "pre-planned successive

evolution" of the entire physical universe – "conceived" of and "pre-planned" from the Ultimate "Geulah -Goal" in a "reversed direction" through all "past"- "present" and (multiple possible) "future/s" (based on every Individual Human Consciousness' Moral Choice/s made at each point in time, as will be described in the "Dynamic-Equilibrium Moral Principle" Hierarchical Computational Dimension)! Just as an Architect constructing a complex and elaborate building will pre-plan all of the details of this complex and beautiful building in an Architectural "Blue-Print", e.g., including all of the details regarding the necessary "construction-steps" to attain the desired "end-goal" of the full Elaborate Complex Building, so it is suggested the UCR also "pre-planned" all of the necessary "past", "present" and (multiple possible) "future/s" of all the Universal Frames depicting the evolution of the entire physical universe in order to evolve the progressive ("inanimate" and "animate": plants, animals and human-beings) forms of Consciousness leading to the Ultimate "Geulah -Goal" of Humanity (and Science)! Hence, the fourth "Reversed-Time Geulah Goal" Hierarchical Computational Dimension ("Daat"/ תעד) signifies the UCR's complete "Knowledge" or "Plan" for evolving the entire physical universe – from inanimate matter through animate: plants, animals and human-beings towards the Perfected "Geulah Goal State", and it is computed and "corrected" to reach this Perfected "Geulah -State" through a continuous "adjustment" process of the UCR based on its later "Dynamic-Equilibrium Moral Principle" and closely associated "UCR's Multi Spatial-Temporal Reservoir" (as listed below).

4. The fourth "Dynamic-Equilibrium Moral Principle" Hierarchical Computational Dimension ("דסה"/Chessed):

this "Dynamic-Equilibrium Moral Principle" relates to the actual execution of the UCR's fourth "Reversed-Time Geulah -Goal" Hierarchical Computational Dimension, i.e., based on a Compassionate ("Chessed/דסה") Moral Principle which allows every human-being to "correct" any of his or her "Immoral Action/s" through the UCR's computation of an equivalent "future" corresponding to any such "immoral action", which would allow that "offending human-being" to experience the same kind (and degree) of pain/suffering that he/she inflicted upon another Individual Human-Being, so that the "offending" person could make a sincere "Teshuva" (termed so in the Jewish Tradition) signifying a sincere remorse and accompanying conscious choice not to repeat any such "immoral-action/s" in the future! Since we've seen that the whole Goal of the UCR's evolution of the entire physical universe is solely towards reaching that "Perfected Geulah State" in which all human-beings (and Humanity more generally) would recognize the Oneness, Morality and Peace characterizing the singular "Universal Consciousness Reality" (UCR) and lead a Moral, Peaceful and Harmonious life, therefore the means for reaching this end Goal of "Geulah " may be attained through the (fourth) "Dynamic-Equilibrium Moral Principle" Hierarchical Dimension – which produces a "moral correction-mechanism" allowing every individual human-being (and Humanity as a whole) to "perfect" its moral behavior and awareness this through this "Dynamic-Equilibrium Moral Principle"! A "Trampoline Metaphor" has been utilized which tries to demonstrate the "correction-dynamics" of this UCR's Dynamic-Equilibrium mechanism: A scenario in which a Trampoline Sheath is placed with a "Metal-Bar" connecting two particular "points" on its sur-

face, such that when one of these particular "point" "decides" to "inflict-pain/suffering" upon the other "point" by pressing the "Metal-Bar" against that other point, we realize that "automatically" the "suffering point" will "push-back" the same "Metal-Bar" against the initially "aggressive-point" to "balance" the Trampoline-Sheath back to its original "resting state"... This "Trampoline Metaphor" has been utilized to explain the "UCR's Dynamic-Equilibrium Moral Principle" which constantly and continuously strives to restore the "Oneness", "Peace" and "Harmony" characterizing the UCR's basic nature, e.g., to "correct" for any "moral-imbalance" created by any single one Individual Human Consciousness (person) deciding any "immoral-choice" against another given individual which brings about a "balancing-act" of the UCR creating an equivalent situation in which that "inflicting-pain/suffering" individual would have to experience him/herself the same degree and kind of pain/suffering that he/she inflicted upon the other individual, in order to realize the "inseparability" and "Oneness" of the UCR underlying both Human Consciousness...

5. The Fifth UCR's "Multi Spatial-Temporal Reservoir" Hierarchical Computational Dimension ("דבורה"/Devorah):

denotes the UCR's actual translation of the fourth "Dynamic-Equilibrium Moral Principle" into a computation of all "past", "present" and "multiple possible future/s" for each Individual human-being for every moral choice that he/she makes at any given point in time! In other words, the UCR simultaneously computes for all human-beings in the world one of multiple possible "future/s" based on each of these individual human-beings' "moral/immoral choice/s", geared towards executing the above mentioned "Dynamic-Equilibrium Moral Principle" on order to "teach" or "correct" each individual human-being's moral choice/s and realization of the underlying singular "Oneness" of the UCR comprising all individual human beings and more generally the entire physical universe (including all of its "inanimate" and "animate" forms); This steers Humanity and the entire world towards the realization of the Ultimate "Geulah -Goal" State aimed for by the singular higher-ordered UCR reality!

6. The UCR's "Collective Human Consciousness Focus" Hierarchical Computational Dimension ("תראפת"/Tiferet):

the sixth "Collective Human Consciousness Focus Hypothesis" Hierarchical Computational Dimension postulates that the actual manifestation of the entire physical universe critically depends upon the UCR's close relationship with a "Collective Human Consciousness Focus" aimed towards that UCR! In other words, according to "G-d's Physics" New 21st century Paradigm, the UCR's actual computation of all past- present and "multiple possible future/s" Universal Frames (UF's) constituting each consecutive Year's (time-frame) critically depends upon the "Collective Human Consciousness Focus", in which Millions of individual human-beings simultaneously focus on this singular higher-ordered UCR during a "special time-interval", i.e., such as at the Jewish "Rosh-Hashana" New Year two-days' time-interval in which Millions of Jews focus collectively upon this singular higher-ordered UCR! This sixth Hierarchical Computational "Collective Human Consciousness Focus" instigates the UCR's computation of an entire New Year derived from the (fifth) UCR's "Multi Spatial-Temporal Reservoir" – allowing for the entire physical universe development for an entire New Year,

based on the already determined "past", "present" and "multiple possible future/s" for each individual human -being for the entire New Year! One of the direct empirical ramifications of this sixth "UCR's Collective Human Consciousness Focus Hierarchical Computational Dimension" correlated with one of the (two) unique "Critical-Predictions" differentiating the New "G-d's Physics" Paradigm from the corresponding predictions of both Relativity Theory and Quantum Mechanics, i.e., relating to "G-d's Physics" prediction that during the "special-time" of such a "Collective Human Consciousness Focus" taking place every Jewish New-Year's "Rosh-Hashana" two days interval (e.g., this year occurring at : Sep. 7th & 8th , 2021) there will be a "Non-Continuous Accelerated Expansion" of the entire physical universe! This is due to "Collective Human Consciousness Focus (sixth) Hierarchical Computational Dimension's assertion wherein such a 'Collective Human Consciousness Focus', wherein Millions of Jews (all around the world) collectively focus on- and pray towards- this singular higher-ordered UCR, which is assumed to bring about the UCR's computation of all of the "past", "present" and "multiple possible future/s" UF's for all individual human beings – as well as the accelerated new expansion rate for the entire physical universe for the subsequent New Jewish Year! Alongside the previous (third) "Reversed-Time Geulah Goal Hierarchical Computational Dimension's" realization that the UCR "pre-plans" the entire evolution of the universe including its evolution from "inanimate" matter through "animate": plants, animals and human-beings all leading towards the Ultimate "Geulah Goal" of Human Moral and Spiritual Perfection and recognition of the singularity and "All-Goodness" nature of this UCR, we can understand that the UCR opts to compute an entire "New (Jewish) Year" in response to the "Collective Human Consciousness Focus Hierarchical Dimension – which manifests also in the "Non-Continuous Accelerated Expansion of the Universe" during the Jewish "Rosh-Hashana" two days' special "Collective Human Consciousness Focus"! Obviously, as will be elaborated below, to the extent that this unique "Critical Prediction" of the New "G-d's Physics" Paradigm will be validated empirically, then this will lead to the acceptance of the New "G-d's Physics" Paradigm as the New Paradigm for 21st century Theoretical Physics, since it negates the existence of "Dark-Matter" and "Dark-Energy" and significantly differs from the corresponding predictions of both RT & QM, representing the Old "Material-Causal" Paradigm of 20th century Physics! The Jewish Chassidic-Kabbalah symbol given to this sixth "Collective Human Consciousness Hierarchical Computational Dimension" is "תְּרַאפֶּת/Tiferet" which translates as "Glorification" because it signifies such "Collective Human Consciousness Focus" Glorification- or focus on- and prayer towards- this singular, higher-ordered UCR.

7. The Seventh "Computed Object Potential Values Hierarchical Computational Dimension" ("הַצֵּנִי"/"Netzach"/"Eternal"):

signifies the UCR's actual simultaneous computation of all of the two "Object – "consistent" (mass) and "inconsistent" (time) values for all objects comprising the entire physical universe for each single UF frame, based on all of the previous (above mentioned) Hierarchical Computational Dimensions; it represents the beginning of the actual manifestation of any single UF's frame portrayal of the entire physical universe, which fulfills and advances the UCR's "Reversed-Time Geulah Goal" Dimension,

and furthers the "UCR's Collective Human Consciousness Focus" computation of an entire New Year's ("past", "present" and "multiple future/s") UF's frames – now being executed for each single UF's frame's constitution of all comprising object's (mass and time) values! It is also represented by the Jewish Chassidic-Kabbalah symbol of "הַצֵּנִי" "Eternal" or "Victory" because the UCR's actual computation of any single UF frame's comprising Object's (mass and time) values all constituting objects indeed signifies the advancement of the UCR's "Reversed Time Geulah Goal Hierarchical Computational Dimension", which represents the "Eternal" or Ultimate "Geulah -State" of the world.

8. The "Teshuva"(הַבֹּשֶׁת)/"דוּה"/"Hod"/"Forgiveness" Eighth Hierarchical Computational Dimension:

Signifies the UCR's allowance for a "Teshuva"/ "repentance" of every individual human-being prior to the actual execution of the seventh "Computed Object Potential Values Hierarchical Computational Dimension" ("הַצֵּנִי"/"Netzach"/"Eternal" – wherein if any individual person chooses to ask "forgiveness" from the other person upon which it inflicted pain or suffering as well as from the Universal Consciousness Reality (UCR) and makes a conscious resolute decision to not repeat any such wrongdoing moral action/s (which constitutes the Jewish term of "Teshuva"); in such case, the UCR's Eighth "Teshuva" Hierarchical Computational Dimension will re-compute and in fact alter the already selected Seventh "Computed Object Potential Values Hierarchical Computational Dimension" ("הַצֵּנִי"/"Netzach"/"Eternal") values computed for that individual human-being's computed immediate pending "future" UF, i.e., replacing the "correcting" equivalent UF frame in which this "offending" individual would have to experience an "equivalent" painful experience (to the one experienced by the person offended by the "immoral choice" made by him/her) with a "positive" immediate future UF frame – based on the fact that that individual human-being already made "Teshuva" (sincere repentance and resolute decision not to repeat any such "immoral" action/s!) It is represented by the Jewish Chassidic-Kabbalah term of "דוּה"/"Hod" which can be translated as "Magnanimity" because it portrays the UCR's magnanimous "forgiveness" capacity to allow for any individual human-being to make a sincere "Teshuva", thereby altering the whole evolution of the universe, based on the "corrected" moral choices of all of its individual human-beings; Indeed, it is a magnanimous UCR that allows for Humanity's "partnership" and "active role" in advancing its Ultimate "Geulah -Goal" State, at every point in time...

9. The Ninth UCR's "Actual Computed Object Values Hierarchical Computational Dimension" ("דוּסִי"/"Yesod" (Foundation)):

Signifies the UCR's actually computed values for all of the objects in the universe for each consecutive UF's frame/s which is based on all previous Hierarchical Computational Dimensions! It is therefore represented by the Jewish Chassidic-Kabbalah term of "דוּסִי"/"Yessod" or "Foundation" the UCR's actual computed Object (mass/time) values of all constituting objects in the universe for each consecutive UF's frame! Note, however, that this "דוּסִי"/"Foundation" Ninth Hierarchical Computational Dimension does not (yet) contain the two other essential UCP's "Frame" – "consistent" (space) and "inconsistent" (energy) physical features which are necessary to execute and actual UF's frame of the universe at any minimal time-point, which is com-

puted by the Tenth Hierarchical Computational Dimension; This also correlates to the fact that the UCR's integral and essential (forth) "Dynamic-Equilibrium Moral Principle's" Hierarchical Computational Dimension's "moral-balancing" characteristic of the UCR's continuous and constant advancement of the universe (and Humanity) towards the Ultimate "Geulah -Goal" Perfected Moral and Spiritual State necessarily involves the UCR's computation of "pairs" of "offending-offended" individual human-beings, which would have to experience the equivalent "corrected" Moral State, e.g., involving their "placement" within the same UF's frame/s (once again, computed by the UCR's Tenth "Ten Hierarchical Computational Dimensions' Universal Computational Formula"/"תוכלמ"/"Kingdom" Hierarchical Computational Dimension, below):

10. The "Ten Hierarchical Computational Dimensions' Universal Computational Formula"/"תוכלמ"/"Malchut" (Kingdom) Hierarchical Computational Dimension ("רתכ"/"Keter-Infinity ("Crown")):

This tenth concluding Hierarchical Computational Dimension signifies the UCR's actual computation of each consecutive Universal Frame (UF), including all of its four basic physical features of "Object" – "consistent" (mass) and "inconsistent" (time), and "Frame" – "consistent" (space) and "inconsistent" (energy) for every exhaustive spatial pixel comprising the entire universe (for each minimal time-point UF's frame/s)! It consumes all of the previous Hierarchical Computational Dimensions as comprising any single consecutive UF's frame/s, thereby executing and "building" the "Kingdom" of the UCR's series of UF's inevitably leading to Its "Ultimate Geulah -Goal" Perfected State of the world and the universe! This includes the full integration of the previous (ninth) "דוסי"/"Yessod"- "Foundation" Hierarchical Computational Dimension' comprising only the two "Object" – "consistent" (mass) and "inconsistent" (time) physical features associated with every exhaustive object comprising the entire physical universe, together with the two other "Frame" – "consistent" (space) and "inconsistent" (energy) physical features that are necessary in order to create any single (consecutive) UF's frame! It also necessitates the direct involvement and "power" of the Infinite UCR's Essence (or "רתכ" / "Crown") as it is called in the Jewish Chassidic-Kabbalah Tradition which

(as it were) "stands alone" in its infinitude – beyond the four basic physical features of "space", "energy", "mass" and "time", i.e., Prior to its manifesting of the entire physical universe through its associated "Ten Hierarchical Computational Dimensions"! Indeed, as can be glanced from this "Ten Hierarchical Computational Dimensions Universal Computational Formula" (below), the direct "involvement" of this "רתכ"/"Keter" – Infinity ("Crown") Essence of the UCR is seen both "prior to" and "above" the UCR's Ten Hierarchical Computational Dimensions ("standing alone" as the "רתכ"/"Keter"-Crown" of these Ten Dimensions) and is also apparent in the "Ten Hierarchical Computational Dimensions Universal Computational Formula" – in the "Ten Hierarchical Computational Dimensions' Universal Computational Formula"/"תוכלמ"/"Malchut" (Kingdom) Hierarchical Computational Dimension ("רתכ"/"Keter-Infinity ("Crown")); This is because in order to manifest, integrate and compute the entire physical universe simultaneously – at the incredible rate of "c²/h" = 1.36⁻⁵⁰ (sec') for each exhaustive spatial pixel it necessitates the Infinite Wisdom and Essence of the UCR!

It may be appropriate (at this point) to note that this UCR's Ten Hierarchical Computational Dimensions portrayal closely correlates to the Jewish Chassidic-Kabballah description of the Ten "תוריפט"/"Sefirot" (e.g., can be translated as "Hierarchical Computational Dimensions"); these Ten "תוריפט"/"Sefirot" Chassidic-Kabbalah Hierarchical Computational Dimensions include a representation of a "division" between the "Right-Line" side ("blue-water") side of those "descending" UCR Hierarchical Computational Dimensions that "flow" or "emanate" from the UCR towards manifesting the "apparently independent" phenomenal universe, and between those "Left-Line" ("red-fire") "ascending" UCR's Hierarchical Computational Dimensions that represent the apparently "independent phenomenal universe/beings" attempt to "reach" towards this singular higher-ordered UCR! Importantly, the "Middle-Line" Pathway connecting those "special middle-line" Dimensions, e.g., of "תעד"/"Daat" (Third "UCR's Reversed Time Geulah h Goal Dimension" , "תראפת"/"Tiferet" (Sixth "Collective Human Consciousness Focus"), "דוסי"/"Yessod" (Ninth UCR's Actual Object Computed Values), and Tenth "תוכלמ"/"Malchut" ("Ten Hierarchical Computational Dimensions' Universal Computational Formula") possess a special "direct association" with the UCR's Essence-Infinity!

(G, MCE, C) THD-UCF):

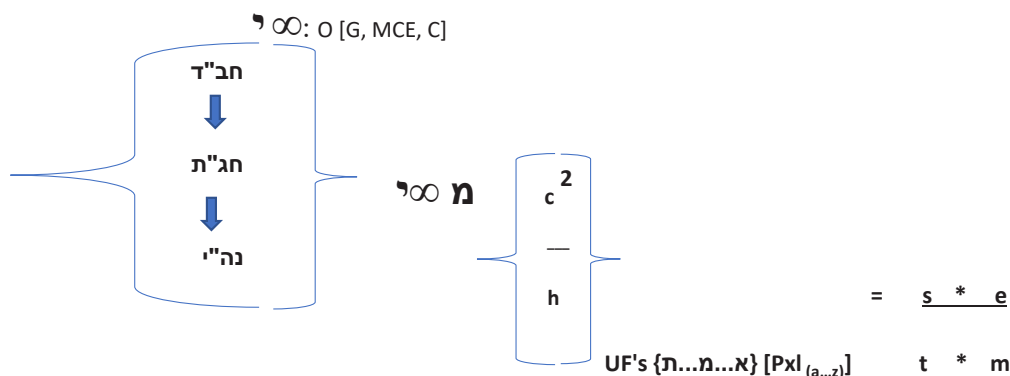


Figure 1: The "Geulah", "Moral/Conscious-Evolution", "Consistency" Ten Hierarchical Computational Dimensions' Universal Computational Formula"

Note: which is accompanied by "G-d's Physics" (CUFT) computational (previous) definitions of these four basic physical features of "space" and "energy", "mass" and "time" as representing "Frame" – "consistent" ("space") or "inconsistent" ("energy"), or "Object" – "consistent" ("mass") or "inconsistent" ("time") computational properties of the UCP's simultaneous and integrated computation of all exhaustive spatial pixels:

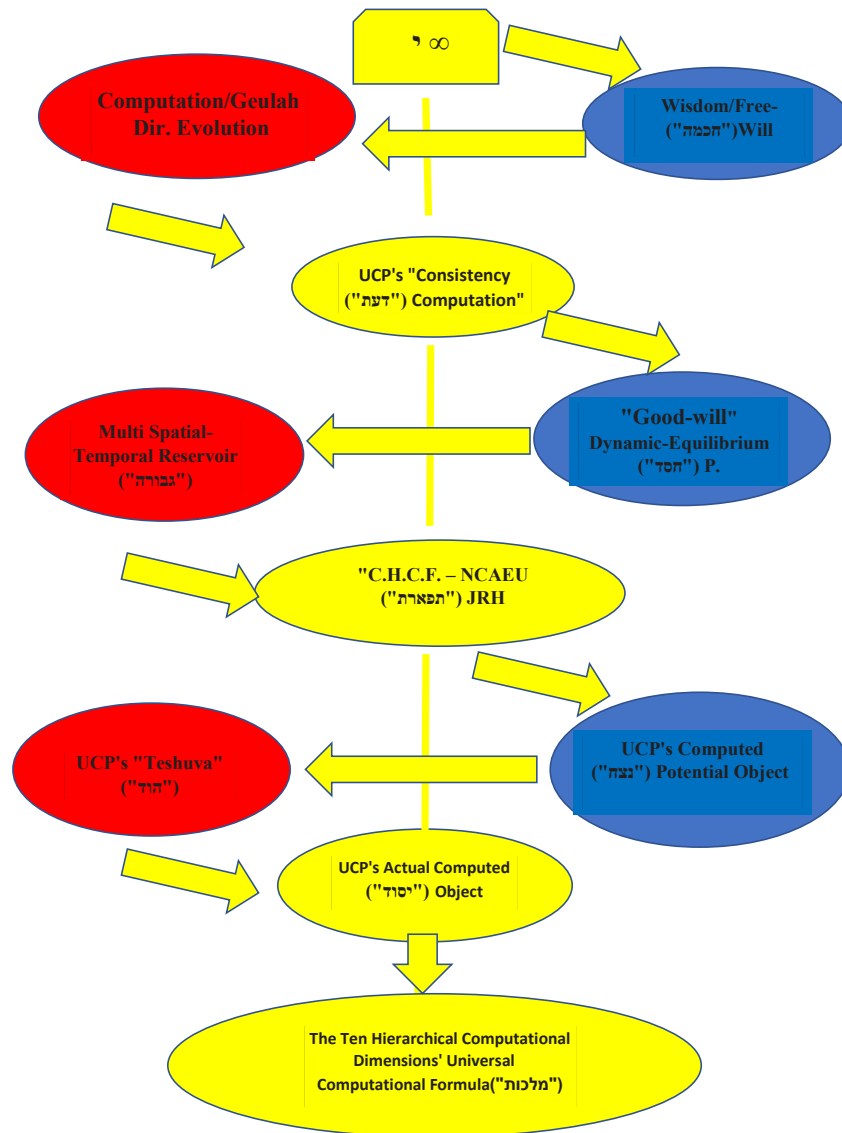


Figure 2: The "UCR's Ten Hierarchical Computational Dimensions" Diagram

7. "G-d's Physics' Geulah Directed Universe"!

We thus realize that the whole creation- origination- sustenance- and evolution- of the entire physical universe cannot (any longer) be attributed to any "random" "material-causal" (direct or indirect) physical interactions, e.g., such as the previously assumed "Big-Bang" initial nuclear event that was assumed to "cause" the creation of the universe, nor (the purely hypothetical) "dark-matter" or "dark-energy" concepts as "causing" the accelerated expansion of the universe, nor General Relativity's "Einstein's Equations" as indicating an apparent "Material-Causal" relationships between certain "massive objects" that are assumed to "cause" the curvature of "Space-Time" (and conversely this "curved Space-Time" "causes" or determines the "travelling pathways" of these "massive" and other "less-massive" objects); nor QM's "Material-Causal" assumption wherein it is assumed that it is the direct physical interaction between the subatomic "probe" and corresponding "target's assumed "probability wave-function" that "causes" the "collapse" of this "target's (assumed) probability wave-function" into a singular (complementary) space-energy, mass-time value! Rather, as we've seen, according to the New "G-d's Physics" "A-Causal Computation"

Paradigm and its associated "Universal Consciousness Reality's" "Ten Hierarchical Computational Dimensions" – Universal Computational Formula" (THCD-UCF) the continuous origination- (computation) "dissolution"- re-computation- and evolution- of the entire physical universe (and all of its constituting exhaustive spatial pixels), the universe is being continuously created (computed), "dissolved"- re-computed- and evolved- solely based on the UCP's (or UCR's) Ten Hierarchical Computational Dimensions that are aiming at bringing the universe towards its "Perfected Geulah State": "Morally, Spiritually and even "Physically"; Amongst those Ten Hierarchical Computational Dimensions that are all geared towards attaining this "Reversed Time Geulah-Goal State" are: the first "UCP's Wisdom/Free-Will ("הכמה)" Hierarchical Computational Dimension whose Goal is to create a physical universe that seems "independent" and "separate" from the singular UCR – out of its innate "All-Goodness" "Free-Will to create a universe in which progressively more evolved forms of Consciousness will possess the "Free-Moral Choice" (e.g., in order to encourage them to make "Moral-Choice/s) and ultimately to recognize, realize and appreciate this singular UCR Reality and its "All-Goodness",

"Moral", "Peace and Harmony" attributes (and live accordingly)! Subsequently, the secondary "Computation/Geulah Directed Evolution" ("היגיון") Hierarchical Computational Dimension computes the gradual progression of ever more evolved ("expansive") forms of Consciousness, i.e., from "inanimate" matter through "animate": plants, animals and human-beings possessing the "most expansive" form of Consciousness that allows for "Free-Moral Choice" and recognition of the singularity of this "Universal Consciousness Reality" (UCR) and ultimate attaining of the "Perfected Geulah State" of the universe! Then, the third Hierarchical Computational Dimension of the "UCP's Consistency Computation" ("תועד") executes the UCP's computation of the four basic physical features of "space", "energy", "mass" and "time" as the basis for the physical universe (e.g., based on the abovementioned three "Computational Dimensions" of "Consistency", "Framework" and "Locus"); The fourth UCP's Hierarchical Computational Dimension termed: the UCP's "Good-Will"/"Dynamic-Equilibrium Moral Principle" (דסה) is concerned with manifesting the UCP's "Good-Will" innate tendency to "drive" each human-being (and Humanity as a "whole") towards a "positive-morally-balanced" state (as part of the UCP's striving to bring the entire universe and Humanity specifically towards the Ultimate "Geulah-Goal Perfected State" in this "Dynamic-Equilibrium Moral Principle" is realized and lived by Humanity): This implies that this "Good-Will"/"Dynamic-Equilibrium Moral Principle" establishes the "Dynamic-Equilibrium Moral Principle" as a key "guiding principle" for the UCP's computation of any future UF's frame/s in such a manner in which it "balances" any "immoral-choice" made by any Individual Human-Being by allowing this individual to experience an "equivalent" ("morally-negative") situation in order to allow this individual human-being to "correct" his/her moral behavior realizing the "inseparability" of all human-beings from the "oneness" and singularity of this "Universal Consciousness Reality"; Consequently, the UCP's fifth Hierarchical-Computational Dimension of "Multi Spatial-Temporal Reservoir" (הרובג) translates this conceptual "Dynamic-Equilibrium Moral Principle" into a concrete computation of the "bank" of all "past", "present" and multiple possible "future/s" computed for each Individual Human-Being based on his or her Moral Choices! The sixth UCP's Hierarchical Computational Dimension is termed: "Collective Human Consciousness Focus – Non-Continuous Universe's Rate of Expansion" (CHCF-NCARE-JRH) ("הצנ") in which the UCP further computes the particular UF's reservoir for the subsequent year (for all individual human-beings) – which brings to the world a "higher" (more advanced) level of execution for the fulfillment of the UCP Ultimate "Geulah-Goal" Blueprint Plan; hence, this materializes as an observed "Non-Continuous Accelerated Rate of Expansion" (NCARE) that takes place on the Jewish "Rosh-Hashana" special two-days "Collective Human Consciousness Focus" (in which Millions of Jews all around the world focus singularly on this "Universal Consciousness Reality" (UCR), which in religious terms is called: "G-d"! Next, the seventh "UCP's Computed Potential Object" translates this New Year's" UCP's reservoir of all UF's for all individual human-beings to the potentially computed "Object" – "consistent" ("mass") and "inconsistent" ("time") values, for the next "immediate" UF frame "future" (i.e., "present") necessary to advance the world towards the fulfillment of the prime "Geulah-Goal" State! The eighth "UCP's Teshuva" ("דוה") Hi-

erarchical Computational Dimension allows each Individual human-being to make "teshuva", i.e., have "remorse" over his or her past "immoral action/s" and also make conscious resolute decision not to repeat any such "wrong-doing" – which is "motivated" by the UCP's "All-Goodness" nature geared towards the "perfection" of each individual human being and betterment of their individual "future/s" (and more generally the "perfection" of the whole of Humanity towards the Ultimate "Geulah-Goal" Perfected State of the World)! Hence, this eight "Teshuva" Hierarchical Computational Dimension allows for each individual human-being's "teshuva" to "alter" (positively) the actual computed (immediate) "future" (i.e., to be "present") of his or her next immediate "future"! The ninth UCP's Hierarchical Computational Dimension takes into account this potential "positive alteration" of each individual human-being's next "immediate future", i.e., "computed present" to compute the "UCP's Actual Computed Object" ("דוסי"), e.g., the actually computed "Object" – "consistent" ("mass") and "inconsistent" ("time") values for all individual human-beings in the world! Finally, the Tenth Hierarchical Computational Dimension is the UCP's "Ten Hierarchical Computational Dimensions' Universal Computational Formula" (THCD-UCF), which culminates all of the previous (nine) UCP's Hierarchical Computational Dimensions' computations to materialize by the UCP ("itself"- i.e., its essential "infinite Wisdom" manifested at the "crown's" "pre-THCD" "infinite", in order to culminate and integrate all of the previous nine hierarchical Computational Dimensions into an actually computed "material" individual human-being's actually computed "present"!)

So, what we see is that the continuous "creation" (computation) of each subsequent "immediate future", i.e., "present" computed by the UCP's/UCR's "Infinite-Wisdom" for all Individual human-beings is entirely dependent upon its Ten Hierarchical Computational Dimensions Universal Computational Formula; whose essential "drive" is to bring the whole physical universe towards its "Ultimate Geulah Goal Perfected State"! This implies the entire (continuous) "origination", "dissolution"- re-creation (computation) and evolution of every exhaustive spatial pixel in the universe (as well as its entirety!) is completely dependent upon- is solely "driven" by this singular higher-ordered Universal Consciousness Reality's constant aiming towards its "Ultimate Geulah Goal Perfected State"! Indeed, according to this New "G-d's Physics" "A-Causal Computation" Paradigm there exists only one singular higher-ordered reality which is this "Universal Consciousness" that computes all exhaustive spatial pixels in the universe "during" each consecutive UF's frame/s, and also exists solely without the presence of any physical universe "in-between" any two consecutive UF's frame/s; which means, as the abovementioned "Computational Invariance Principle" and associated "Universal Consciousness Reality" (UCR) postulates asserted, that the entire physical universe in only a "transient-phenomenal" manifestation of this singular UCR! Moreover, this article clearly points at the fact that the whole origination- sustenance- ("dissolution" in-between any two consecutive UF's frames) and evolution of the entire physical universe is completely governed and in fact solely computed and "driven" by this singular higher-ordered UCR to evolve the universe from "inanimate" matter through "animate": plants, animals and human-beings towards the Ultimate "Perfected Geulah Goal State" of Humanity and the universe! Nothing in the uni-

verse can occur "randomly": be it on the "microscopic" quantum level or on the "macroscopic" relativistic level every exhaustive spatial pixel is being continuously computed- dissolved- re-computed and evolved solely based on the UCP's/UCR's Ten Hierarchical Computational Dimensions' Universal Computational Formula solely geared towards bringing the universe, Humanity (and Science) towards this "Ultimate Geulah Goal Perfected State"! Hence, we can say that the (abovementioned and previously published) initial empirical validation of "G-d's Physics" unique "Critical Predictions" establishes "G-d's Physics" as the New satisfactory Scientific Paradigm of Twenty-First Century's Theoretical Physics and signifies the beginning of a new "era" in Science's realization of the singularity of this higher-ordered "Universal Consciousness Reality" and the subsequent further investigation, validation and realization of this singular UCR's "Ultimate Geulah Goal State" driven physical universe!

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