

Could "G-d's Physics" New Paradigm Resolve the Universe's Cosmological-Astronomical Expansion Rate Gap Enigma?

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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

"G-d's Physics" (previously termed: the "Computational Unified Field Theory", CUFT) is being considered as the New Twenty-first century's Scientific Paradigm, representing a "Paradigmatic-Shift" from the Old 20th century "Material-Causal" Paradigm of Relativity Theory (RT) and Quantum Mechanics (QM). This follows the "Paradigmatic-Crisis" of the Old "Material-Causal" Paradigm which resulted from the apparent "theoretical inconsistency" between its two primary "pillars", e.g., RT & QM, alongside its inability to account for up to 95% of all of the mass and energy in the universe assumed to comprise (purely hypothetical) "Dark-Matter" and "Dark-Energy" concepts (which are assumed to be responsible for the accelerated expansion of the physical universe) but which could not be detected experimentally thus far!? Indeed, closely related to the Old "Material-Causal" Paradigm's inability to detect the purely hypothetical "Dark-Matter" and "Dark-Energy" concepts is the perplexing "gap" that exists between the Old Paradigm's "early-Cosmological" observed rate of the universe's expansion and the "contemporary-Astronomical" observed rate of the universe's expansion which is considered an unresolved key enigma in 21st century's Theoretical Physics! In contrast, the New "G-d's Physics" (CUFT) Paradigm discovered the existence of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{-50} \text{sec}(!)$ ", thereby producing an extremely rapid series of "Universal Frames" comprising the entire physical universe at every such minimal "time-point"; This New "G-d's Physics" Paradigm was shown capable of resolving the apparent RT-QM "theoretical inconsistency", as well as unify (for the first time in Theoretical Physics) between the four basic physical features of "space", "time", "energy" and "mass" (with over fifty peer-reviewed scientific articles published on this New 21st century "G-d's Physics" Paradigm); Now, an urgent call to all Cosmologists and Astronomers is made to empirically validate this New "G-d's Physics" Paradigm of 21st century Physics based on its unique "Critical Prediction" regarding the "Universe's Non-Continuous Accelerated Expansion" a the upcoming Jewish "Rosh-Hashana" New Year ("UNCAE-JRH") two days' time interval of the 7th-8th of September, 2021) due to the newly discovered "Collective Human Consciousness Focus" theoretical postulate of this New "G-d's Physics" Paradigm. Significantly, this empirical validation of the New "G-d's Physics" Paradigm's UNCAE-JRH unique "Critical Prediction" would not only lead to the acceptance of "G-d's Physics" as the new valid Paradigm for 21st century Theoretical Physics, but also satisfactorily resolve the Universe's Cosmological-Astronomical Expansion Rate Gap Enigma", pointing at the singularity of the UCP as the sole "cause" for the continuous computation- "dissolution"- re-computation and evolution of every exhaustive spatial pixel in the universe, and the key important role of "Collective Human Consciousness Focus" in the universe's continuous accelerated expansion rate!

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

Twenty-first century Theoretical Physics is undergoing a major "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm to the New "G-d's Physics" ("Computational Unified Field Theory", CUFT) which stems from the apparent "theoretical-inconsistency" that seem to exist between its two primary "pillars", e.g., RT & QM; alongside the Old "Material-Causal" Paradigm's inability to account for up to 95% of all of the mass and energy in the universe – assumed to comprise the purely hypothetical

concepts of "dark-matter" and "dark-energy", but which failed to be detected despite countless experiments that tried to do so?! As mentioned above (and previously), the emergence of such a "Paradigmatic-Crisis" of the Old "Material-Causal" Paradigm represents a known "phase" along the development of any given scientific discipline – as clearly discovered and explained by the famous Philosopher of Science, Thomas Kuhn in his seminal Book "The Structure of Scientific Revolutions", in which he identified two basic alternating "phases" in the development of any given Scientific discipline, namely: The "Standard Sci-

ence" Phase, in which any given Scientific discipline functions and advances based on a given "Standard Paradigm" comprising a certain set of axioms, methods and Model/s that are utilized by all of the scientists (within the given discipline) as the most effective and compatible Paradigm to advance the Scientific understanding and explanation of phenomena and findings within that given discipline (in a given time-frame); And a subsequent "Paradigmatic-Shift" Phase in which the appearance of apparent "theoretical-inconsistencies" within the "Standard Paradigm", alongside an inability of this "Standard Paradigm" to explain certain key empirical phenomena – that calls for the discovery of a "New Paradigm" that would be able to resolve these issues (and also "broaden" that Scientific discipline's theoretical understanding, so that the "Old Standard Paradigm" becomes a "special-case" in the "New Paradigm's more extensive theoretical framework, as Einstein described such a "Paradigmatic-Shift"!).

Indeed, the current state of Theoretical Physics is precisely equivalent to the state of Physics over 100 years ago, prior to Einstein's 1905, 1915 & 1919 discovery and empirical validation of his General Relativity Theory (GRT); Then (as now), the two "pillars" of Classical Newtonian Mechanics seemed "theoretically-inconsistent", and there appeared an inability of the Old "Newtonian Mechanics" Paradigm to account for a purely hypothetical "ether" concept that was assumed to "perfuse" the entire physical universe but which could not be detected (despite numerous experimental attempts to "detect" the "elusive Ether" concept)?! This led the great Einstein to "discard" the "Ether" concept as "superfluous", i.e., non-existent(!) and to discover a New "GRT" Paradigm that could resolve the apparent "theoretical inconsistencies" that seemed to exist between Newtonian Mechanics and Maxwellian Electromagnetic Theory and in fact embed them within the New GRT Paradigm! Likewise, the current ("impossible") "Paradigmatic-Crisis" state of 20th century's Old "Material-Causal" Paradigm, e.g., in which its two "pillars" (GRT & QM) seem "theoretically-inconsistent" and in which up to 95% of all the mass and energy in the universe are assumed to comprise purely hypothetical "Dark-Matter" and "Dark-Energy" concepts which fail to be detected (for the past two decades despite numerous experimental attempts to validate their existence) – also calls for a fundamental "Paradigmatic-Shift" towards a newly discovered "G-d's Physics" (CUFT) Paradigm that was shown capable of resolving the apparent "theoretical-inconsistency" between GRT & QM and in fact embed them as "special-cases" within the New "G-d's Physics" novel "Universal Computational Formula" broader theoretical framework! Hence, it is appropriate to elucidate the basic difference between the Old (20th century) "Material-Causal" Paradigm and the New 21st century "G-d's Physics" Paradigm, so that we can fully understand the nature and significance of the "Paradigmatic-Shift" that is currently taking place from the Old "Material-Causal" Paradigm to the New "G-d's Physics" Paradigm: The basic assumption of the Old "Material-Causal" Paradigm of GRT & QM is that every physical phenomenon in the universe can be explained simply based on the existence of certain (direct or indirect) "material-causal" physical interactions between particular "material entities or forces" etc.; in the case of GRT this "material-causal" assumption manifests through Einstein's Equations which assume that the origination, dynamics and evolution of

the entire physical universe is "caused" by certain "massive-objects" curvature of "Space-Time", which (in turn) "causes" (or determines) the "travelling-pathways" of these "massive-objects" and other "less-massive" objects. Likewise the origination and development of the physical universe is assumed to have been "caused" by an initial nuclear "Big-Bang" event which created all of the suns, galaxies, planets, energy, mass etc.; and the continuous accelerated expansion of the universe is similarly assumed to occur do to a direct "cause-and-effect" "material-causal" physical interactions between the (purely hypothetical) "dark-matter" and "dark-energy" concepts and their expulsion" of the various galaxies apart from each other... In the case of QM this "material-causal" assumption is represented by QM's determination of any subatomic "target's probability wave function's" singular (complimentary: space-energy, mass-time) value based on its assumed) direct physical interaction with another corresponding subatomic probe element, which is assumed to "cause" the "collapse" of this "target's probability wave function" into such a singular complimentary value. The problem is, once again, that this Old "Material-Causal" Paradigm has reached a "Paradigmatic-Crisis" represented by the apparent "theoretical-inconsistency" between its two primary "pillars", e.g., RT & QM, and that it fails to account for up to 95% of all of the mass and energy in the universe – assumed to comprise the purely hypothetical "dark-matter" and "dark-energy" concepts, but which fail to be detected experimentally?!

Therefore, the New "G-d's Physics" Paradigm is based on the discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe at the incredible rate of " $c^2/h = 1.36^{50}$ (sec)", thereby producing an incredibly rapid series "Universal Frames" (UF's) comprising the entire physical universe (at every "minimal time-point"); The key difference, then between the Old "Material-Causal" Paradigm underlying RT & QM, and the New "G-d's Physics" Paradigm is that whereas the Old "Material-Causal" Paradigm assumed a strict "cause-and-effect" relationships as the basis for the universe: e.g., such as between certain "massive-objects" and their "curvature of Space-Time" (or the converse determination of these "massive-objects" and other "less-massive" objects as "caused" by this "curved Space-Time"), or between the subatomic "probe" and "target" elements – which is assumed to "cause" the "collapse" of the "probability wave-function" into a singular complimentary "space-energy", "mass-time" value; the New "G-d's Physics" Paradigm strictly negates the very possibility of any such (direct or indirect) "material-causal" physical interactions that can exist between relativistic or quantum subatomic elements due to the simultaneity of the UCP's computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s, and the complete "dissolution" of the entire physical universe back into the singularity of this singular higher-ordered UCP "in-between" any two consecutive UF's frame/s! Hence, the New "G-d's Physics" Paradigm has been shown to challenge and negate the basic concepts of the Old "Material-Causal" Paradigm, including: the "Big-Bang" Model, QM's assumed "collapse" of the target's probability wave function, discarding "dark-matter" and "dark-energy" as "superfluous" (i.e., non-existent!) and the "material-causal" assumption underlying GRT's Einstein's Equations!

2. The Universe's Unresolved Accelerated Rate of Expansion Enigma

Perhaps the most "glaring" indication of the Old 'Material-Causal' "Paradigmatic-Crisis" is the unresolved enigma of the universe's accelerated rate of expansion! First, according to the Old 'Material-Causal' Model of RT & QM, the empirically observed accelerated rate of the universe's expansion can only be accounted for by purely hypothetical concepts of "Dark-Matter" and "Dark-Energy", which are assumed to account for up to 95% of all of the mass and energy in the universe – but nevertheless cannot be detected experimentally (despite two full decades of trying to do so?) Obviously, such a state of Theoretical Physics, where up to 95% of all the assumed mass and energy in the universe cannot be detected or verified empirically – calls for a "Paradigmatic-Shift" towards a New ("G-d's Physics") Paradigm which would be able to explain the accelerated rate of the universe's expansion – i.e., while discarding the purely "hypothetical" and indeed "superfluous" concepts of "Dark-Matter" and "Dark-Energy"! Indeed, even beyond the experimental "failure" to detect the existence of such purely "hypothetical" "Dark-Matter" and "Dark-Energy", "G-d's Physics" New "A-Causal Computation" Paradigm principally negates the very possibility of the existence of such "Dark-Matter" and "Dark-Energy" concepts – due to "G-d's Physics" discovery of the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which 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)". As stated earlier, due to this simultaneity of the UCP's computation of all exhaustive spatial pixels comprising the entire physical universe at each consecutive UF's frame, the New "G-d's Physics" "A-Causal Computation" Paradigm asserts that there cannot exist any "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels existing in any single- or multiple- UF's frame/s! Moreover, due to the complete "dissolution" of the entire physical universe (e.g., and all of its exhaustive spatial pixels) "in-between" any two consecutive UF's frames, therefore there cannot also exist any such "material-causal" physical interactions across any two consecutive UF's frames, because all exhaustive spatial pixels "dissolve" back into the singularity of the UCP "in-between" any two consecutive UF's frames!

Second, there seems to exist a fundamental basic "empirical inconsistency" between two different measures of the universe's rate of expansion, i.e., between "early Cosmological measures of the universe's rate of expansion" as measured by "background radiation", and "contemporary Astronomical measures of the universe's rate of expansion"; the "contemporary Astronomical measures" indicate a rate of 73.3 kilometers per second per megaparsec (+/- 2.5), with three other techniques' similar measures yielding an average of 73.5 (+/- 1.4). Whereas the "early Cosmological measures" of the universe's expansion rate stand at: 67.4 (+/- 0.5)! Hence, there exists a very significant gap between the "early Cosmological" and "contemporary Astronomical" measures of the universe's rate of expansion which challenges and questions the Old "Material-Causal" Paradigm; This is because if in fact the accelerated expansion of the universe is "caused" by the purely hypothetical "Dark-Matter" and "Dark-Energy" concepts, this means that those (purely hypothet-

ical) "Dark-Matter" and "Dark-Energy" concepts "propel" certain galactic components at an accelerated "constant" rate! So, according to this Old "Material-Causal" Paradigm's account for the accelerated expansion of the physical universe there cannot exist any "non-continuous" change in the universe's measured rate of expansion, e.g., over time – which is contradicted by the existence of this basic "gap" between the universe's "early-Cosmological" expansion rate (average) of 73.5 (+/- 1.4) and the "contemporary Astronomical" measures of 67.4 (+/- 0.5)! Therefore, the empirically observed "gap" and increase in the rate of the universe's expansion from the "early-Cosmological" to the "contemporary Astronomical" cannot be explained by the Old "Material-Causal" Paradigm and in fact indicates a fundamental "Paradigmatic-Crisis" of this Old "Material-Causal" Paradigm underlying both Relativity Theory & Quantum Mechanics.

3. The New "G-d's Physics" Major Theoretical Postulates:

In order to better understand this Paradigmatic Shift from the Old "Material-Causal" Paradigm (of RT & QM) to the New "G-d's Physics" "A-Causal Computation" Paradigm, let us first review the major "Theoretical Postulates" of the New "G-d's Physics" Paradigm:

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" Par-

adigm 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):

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

UF's {א...ח...ך}

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "ך through ח" to "א" depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c²/h" = 1.36⁻⁵⁰ sec!

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)!)

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

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

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 ("דאט"/"תעד"):

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" (דעת 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"/ דעת) 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 ("Chessed"/דסח): 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/דסח") 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 re-

peat 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 surface, 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 ("Devorah"/הרובנ): 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 ("Tiferet"/תרפת): 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 "תראפת"/Tiferet" which translates as "Glorification" because it signifies such "Collective Human Consciousness Focus" Glorification- or focus on- and prays to-

wards- this singular, higher-ordered UCR.

7). The Seventh "Computed Object Potential Values Hierarchical Computational Dimension" ("הצני"/"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 "הצני"/"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"("הבושה"/"דוה"/"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" ("הצני"/"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" ("הצני"/"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 "דוה"/"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" ("דוסי"/"Yessod" (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 "דוסי"/"Yessod" or "Foundation" the UCR's actual com-

puted Object (mass/time) values of all constituting objects in the universe for each consecutive UF's frame! Note, however, that this "דוסי"/"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 computed 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-Kabballah 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 " $c^2/h = 1.36^{-50}$ (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 "תוריפס"/"Sefirot" (e.g., can be translated as "Hierarchical Computational Dimensions"); these Ten "תוריפס"/"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 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!

UNIVERSAL COMPUTATIONAL FORMULA (THD-UCF):

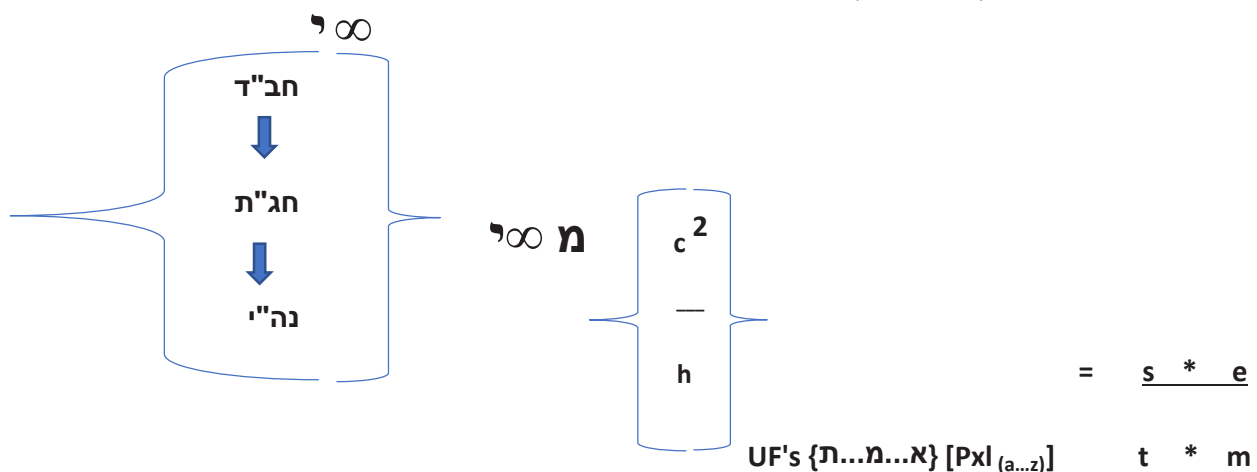


Figure 1: THE TEN HIERARCHICAL DIMENSIONS'

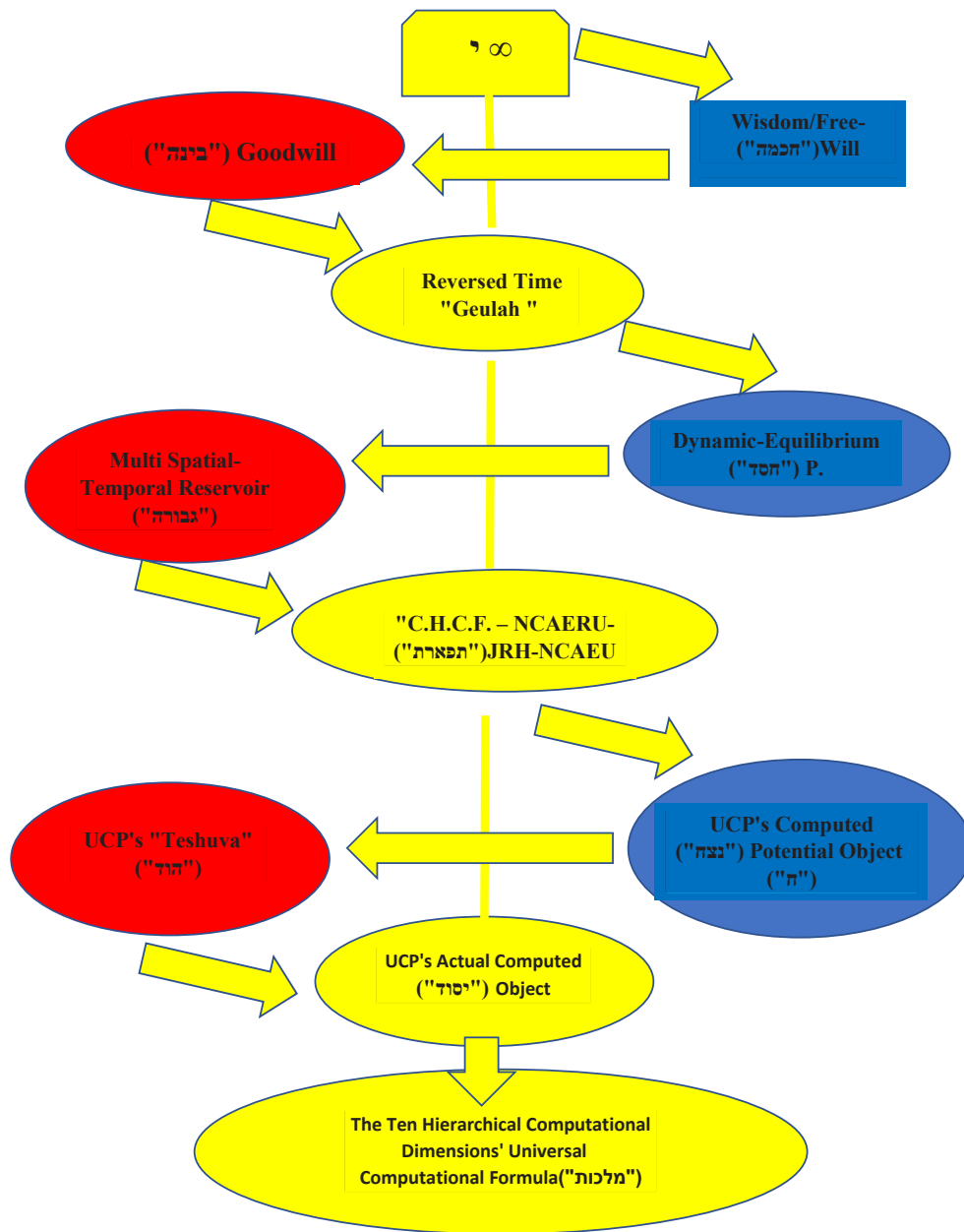


Figure 2: The "UCR's Ten Hierarchical Computational Dimensions" Diagram

4. "G-d's Physics" Non-Continuous Accelerated Expansion of the Universe at the Jewish "Rosh-Hashana" Special Time Interval!

Given the (abovementioned) significant theoretical and empirical difficulties associated with the Old 'Material-Causal' Paradigm's inability to experimentally detect the presence of the (purely hypothetical) "Dark-Matter" and "Dark-Energy" elements; the necessary "Paradigmatic-Shift" towards the New "G-d's Physics" Paradigm – which principally negates the very possibility of the existence of any "Dark-Matter"/"Dark-Energy" associated "material-causal" physical interactions between any such "Dark-Matter"/"Dark-Energy" elements and any other exhaustive spatial pixel/s in the universe (for any single or multiple UF's frame/s); And the fundamental "gap" between the existent "early-Cosmological" vs. "contemporary-Astronomical" measures of the Universe's Accelerated Expansion Rate - all, fact, converges with "G-d's Physics" basic Critical Prediction regarding the "Non-Continuous Accelerated Expansion

Rate Increase During the Jewish Rosh-Hashana Special Time Interval! This is because, the basic discrepancy between the "smaller value" of the "older" Cosmological Measurements of the Universe's Accelerated Expansion Rate (UAER) and the corresponding "increased value" of the contemporary "Astronomical Measurements" – in fact, provides an additional support for "G-d's Physics" unique "Critical Prediction" regarding the "Non-Continuous Accelerated Expansion of the Universe at the Jewish 'Rosh-Hashana' (two-days) (New Year) Special Time Interval! This is because in contrast to the basic assumption of the Old "Material-Causal" Paradigm (of RT & QM) which assume that the universe's acceleration rate must remain constant due to the "material-causal" interaction of the purely hypothetical "Dark-Matter" and "Dark-Energy" elements which are assumed to interact with certain galaxies "causing" them to propel and accelerate the rate of the universe's expansion; the New "G-d's Physics" Paradigm – in convergence with the empirical findings regarding an apparent "discrepancy" between the Older

Astronomical UAER and the more recent Cosmological UAER value asserts that the real "cause" for the universe's observed "non-continuous increase in the universe's UAER – is not any non-existent "Dark-Matter/Dark-Energy", which could also not increase with time!?! But rather is associated with the functioning of the singular higher-ordered UCP/UCR which seems to increase the measured UAER – in response to a "Collective Human Consciousness Focus Hypothesis" which occurs every New "Jewish Rosh-Hashana (New Year)!"

In other words, the fact that there exists a significant "discrepancy" between the "early-universe" Cosmological UAER rate of expansion and the "contemporary" Astronomical measures of the UAER may be suggestive of "G-d's Physics" "incremental Non-Continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana special (two-days') time interval! This is because contrary to the Old "Material-Causal" Paradigm of 20th century RT & QM, which assumes that the expansion of the universe is "caused" by a purely hypothetical "Dark-Matter" or "Dark-Energy" (e.g., which were not been able to be detected experimentally despite two decades of trying to do so!); The New "G-d's Physics" "A-Causal Computational" Paradigm discovered the existence of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe at the incredible rate of " $c^2/h = 1.36^{-50}$ (sec⁻¹)", with the entire physical universe "dissolving" back into the singularity of the UCP "in-between" any two consecutive UF's frames!; Hence, according to the New "G-d's Physics" Paradigm, there cannot exist any direct (or even indirect) "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels existing wither in the same- or different- UF's frame/s, because the UCP simultaneously computes all of the exhaustive spatial pixels comprising the entire physical universe for each consecutive UF's frame/s (and there is no "material entity" or any "physical effect" that can be "transferred" across any two consecutive UF's frames due to the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frame/s! Moreover, according to the New "G-d's Physics" Paradigm the reason for the universe's accelerated expansion – is not "caused" by any (purely hypothetical) "Dark-Matter" or "Dark-Energy", but is rather brought about by a "Collective Human Consciousness Focus", i.e., in which a large group of human-beings focuses on this singular (higher-ordered) UCP, which is hypothesized to produce a UCP's "Non-Continuous Accelerated Expansion of the Universe"! In other words, whenever there exists a large group of human-beings that focus on this singular higher-ordered UCP, this can bring about a "Non-Continuous Accelerated Expansion of the Universe" – with one instance of this "Collective Human Consciousness Focus" being the "Jewish Rosh-Hashana" two days' time-interval in which Millions of Jews focus on this Universal Consciousness Principle (UCP), i.e., "G-d"!

What's important to note is that this unique "Critical Prediction" of the New "G-d's Physics" Paradigm, e.g., regarding the "Non-Continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana" (NCAEU-JRH) two days' time-interval cannot be accounted for by either Relativity Theory (RT) or Quantum Mechanics (QM), representing the Old "Material-Causal" Paradigm of 20th century Physics: this is because

the only manner in which this Old "Material-Causal" Paradigm attempts to account for the accelerated expansion of the physical universe – is based on the purely "hypothetical" "Dark-Matter" and "Dark-Energy" concepts (which as stated above failed to be detected despite two decades of numerous experimental attempts to do so); According to this Old "Material-Causal" Paradigm, the manner in which those (purely "hypothetical") "Dark-Matter" and "Dark-Energy" (concepts) are assumed to "cause" the accelerated expansion of the universe is through their direct physical interaction with certain (galactic or stellar) elements within the universe. This assumed direct physical interaction/s between the (purely hypothetical) "Dark-Matter" and "Dark-Energy" concepts and certain galactic elements within the universe therefore predict that the accelerated rate of the universe' expansion would remain constant – i.e., regardless of any "Collective Human Consciousness Focus" ("special") time intervals (e.g., such as the Jewish Rosh-Hashana two days' time-interval)! Therefore, to the extent that "G-d's Physics" unique prediction regarding the "Non-Continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana" special "Collective Human Consciousness Focus" time-interval will be validated experimentally, then this would unequivocally lead to the acceptance of the New "G-d's Physics" Paradigm as the new acceptable Theoretical Physics Paradigm for the 21st century!

Intriguingly, this unique "Critical Prediction" of the New "G-d's Physics" "A-Causal Computation" Paradigm regarding the "Non-Continuous Acceleration Rate of the Universe during the Jewish Rosh-Hashana" special time-interval somewhat converges with the "unexplained gap" that exists between the (lower) value of the Universe's Accelerated Expansion Rate (UAER) measured through "early-universe Cosmological measures" as compared to (higher-value) "contemporary Astronomical measures of the UAER; This is because, first of all, there seems to exist an "incremental increase" in the Universe's rate of expansion (UAER) over time – which is manifested through the greater value of the UAER in contemporary Astronomical Measures, as compared to "early-universe" Cosmological Measures. this "Cosmological-Astronomical Gap" in the measured UAER is already "theoretically inconsistent" with the basic (above mentioned) assumption of the Old "Material-Causal" Paradigm, wherein it is assumed that the universe's accelerated rate of expansion is "caused" by the direct interaction between the (purely hypothetical) "Dark-Matter" and "Dark-Energy" concepts and certain galactic elements within the universe; This is because even if such purely hypothetical "Dark-Matter" and "Dark-Energy" could be detected empirically (e.g., thus far two decades of intensive "search" for these purely hypothetical concepts have failed to detect the presence of "Dark-Matter" and "Dark-Energy"! the resulting rate of the universe's expansion rate (UAER) should remain constant; and it most definitely could NOT be affected by any "Collective Human Consciousness Focus", i.e., as predicted by the New "G-d's Physics" Paradigm!?! Second, to the extent that "G-d's Physics" New Paradigm's "Critical Prediction" regarding the "Non-Continuous Accelerated Expansion of the Universe at the Jewish 'Rosh-Hashana'" (two days' time-interval) (NCAEU-JRH) would be validated empirically, it would be "theoretically consistent" with the currently observed "Astronomical-Cosmological UAER Gap" because it may indicate that over a larger period of time, there could be an annual incre-

mental addition to the overall UAER (e.g., that could take place at the Jewish 'Rosh-Hashana' "Collective Human Consciousness Focus").

Once again, the importance of validating the New "G-d's Physics" Paradigm's "Critical Prediction" could not be "overstated"; this is because not only would the empirical validation of "G-d's Physics" "Critical Prediction" (UAER) bring about a general acceptance of this New "G-d's Physics" (CUFT) Paradigm as more valid than the Old (Twentieth century) "Material-Causal" Paradigm of RT & QM, and would validate this New "G-d's Physics" Paradigm as the New 21st century Scientific Paradigm. Beyond that, it would unequivocally negate the existence of "Dark-Matter" and "Dark-Energy" (as explained above) and undermine the basic "Material-Causal" assumption of the Old Paradigm underlying both RT & QM- because it would indicate that the real "cause" for the "Universe's Non-Continuous Accelerated Rate of Expansion" is not any (purely hypothetical – and in fact "non-existent") "Dark-Matter" and "Dark-Matter" concepts, but is rather the result of the operation of the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) and its relationship to a "Collective Human Consciousness Focus" (e.g., which focus on this singular higher-ordered UCP and brings about such "Non-Continuous Accelerated Expansion" of the universe). Indeed, the empirical validation of the New "G-d's Physics" Paradigm through testing of its unique "Critical Prediction" regarding the "Non-Continuous Accelerated Expansion of the Universe at the Jewish 'Rosh-Hashana' special ("Collective Human Consciousness Focus") time interval would highlight and prove the centrality of Human Consciousness and its key role within the singular higher-ordered UCP's accelerated expansion of the universe! As indicated in the above mentioned "UCP's Ten Hierarchical Computational Dimensions" portrayal of the UCP's continuous simultaneous computation of every exhaustive spatial pixel in the universe (e.g., at the unfathomable rate of " $c^2/h = 1.36\text{-}50 \text{ sec}^{-1}$ "), the "Collective Human Consciousness" Hierarchical Computational Dimension ("תראפת") possesses a key role in the UCP's execution of its ongoing continuous computation- "dissolution"- re-computation- and evolution- of every exhaustive spatial pixel in the universe (as well as the whole universe) towards the Ultimate "Perfected: Spiritual, Moral and Physical Geulah State" of the World (and of Humanity)!

Once we realize that the Old "Material-Causal" Paradigm underlying RT & QM simply cannot "hold on" as valid given its basic "Paradigmatic-Crisis" signified by the apparent contradiction between its two RT & QM "pillars", and its inability to account for up to 95% of all of the energy and mass in the universe (e.g., hypothesized to exist as "Dark-Matter" and "Dark-Energy", but which could not be detected empirically as mentioned above); and given the New "G-d's Physics" Paradigm's two additional theoretical postulates of the "Computational Invariance Principle" and its associated "Universal Consciousness Principle", which state that the only "permanent", "consistent" and "continuous" principle is this singular higher-ordered "Universal Computational/Consciousness Principle" which exists uniformly – both "during" its simultaneous computation of every exhaustive spatial pixels' four basic physical features (of "space", "energy", "mass" and "time") comprising the extremely rapid series of "Universal Frames" (UF's), and also existing singularly

"in-between" any two such consecutive UF's frame/s (without the presence of any physical universe); whereas all exhaustive spatial pixels' (four basic physical features) exist only "during" each consecutive UF's frame/s as solely computed by the singular higher-ordered UCP, but cease to exist and is "dissolved" back into the singularity of this UCP "in-between" any two such consecutive UF's frame/s!?" therefore these two "Computational Invariance Principle" and "Universal Consciousness Reality" theoretical postulates of this New "G-d's Physics" (CUFT) Paradigm of 21st century Theoretical Physics state that there truly exist only one singular "Universal Consciousness Reality" which exists uniformly, continuously and constantly – both "during" each consecutive UF's frame/s (as computing every exhaustive spatial pixel in the universe), and also solely exists "in-between" any two consecutive UF's frames (without the presence of any physical universe); and that in fact the entire physical universe represents merely a "transient", "phenomenal" manifestation of this singular higher-ordered UCR! Viewed from this New "G-d's Physics" Paradigm's higher-ordered perspective, then the whole origination- sustenance- (continuous) "dissolution"- re-computation- and evolution of every exhaustive spatial pixel in the universe (as well as of the entire physical universe itself) is seen as "driven" by the specific characteristics of this singular higher-ordered (abovementioned) UCR's Ten Hierarchical Computational Dimensions – amongst which the "Collective Human Consciousness Focus" Computational Dimension is "key", i.e., in that it "draws" the wish of the UCP/UCR to sustain and in fact allow the computation of the entire physical universe's "Multi Spatial-Temporal Reservoir" ("bank") of all past- present and (multiple possible) "future/s" of the entire physical universe for an entire year, based on this "Collective Human Consciousness Focus" upon this singular UCP/UCR (such as occurring at the Jewish "Rosh-Hashana" two days' time-interval)!

5. "G-d's Physics" "New Universe" & "New Science"!

Theoretically, the (anticipated) empirical validation of the New "G-d's Physics" Paradigm brings about a fundamental "Paradigmatic-Shift" in Physics (and in fact Science's) basic conception and understanding of the origin- nature- dynamics- and evolution- of the universe: When we realize that the Old "Material-Causal" Paradigm's basic assumption wherein every physical phenomenon (e.g., relativistic or subatomic-quantum) is explained in terms of direct (or indirect) physical interactions between certain material elements which "cause" that phenomenon to exist – is principally 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 every exhaustive spatial pixel in the universe for each consecutive UF's frame (and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frame/s), this negates the Old "Material-Causal" basic assumption and "opens-up" before Science an entirely new (and exciting) "G-d's Physics" "A-Causal Computation" Paradigm! According to this New "A-Causal Computation 'G-d's Physics' Paradigm, the universe was not created by an initial "Big-Bang" nuclear event because there cannot exist any such "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the "first", "second", "third" etc. UF's frame/s (e.g., due to the simultaneity of the UCP's computation of all exhaustive spatial pixels for each consecutive UF's

frame/s and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frame/s); Nor does the universe evolve based on Einstein's Equations' basic "material-causal" assumption wherein it is assumed that it is the direct physical interactions between certain "massive objects" and "Space-Time" which "causes" the curvature of Space-Time, which (in turn) "causes" or determines the "travelling-pathways" of these "massive-objects" and other "less-massive" objects, e.g., once again because there cannot exist any such "material-causal" direct or indirect physical interactions between any two (or more) exhaustive spatial pixels at any single- or multiple- UF's frame/s; Neither can the accelerated expansion of the universe be considered to be "caused" by any (purely "hypothetical" "Dark-Matter" or "Dark-Energy" concepts) – which failed to be detected experimentally (despite numerous attempts to do so); Likewise the basic "material-causal" assumption underlying Quantum Mechanics, wherein it is assumed that it is the direct physical interaction/s between certain subatomic "target's probability wave-function" and a corresponding subatomic "probe" element which "causes" the "collapse" of this "target's probability wave function" into a singular complimentary "space-energy", "mass-time" value is negated by the New "G-d's Physics" "A-Causal Computation" Paradigm. Similarly, other basic tenets of the Old "Material-Causal" Paradigm such as Darwin's "Natural Selection Principle" wherein it is assumed that the origination and evolution of all Biological forms on Earth have evolved as "caused" by direct physical interaction/s between certain Cosmic radiation and its alteration of the genetic material of certain organism/s, coupled with the direct physical interaction/s of these "genetically-mutated" organism/s with a "challenging" Environmental Factors which "caused" the selection of only those compatible organism/s (as opposed to the "extinction" of those other "less-compatible" organism) - are strictly negated based on the New "G-d's Physics" "A-Causal Computation" Paradigm's insistence upon the simultaneity of the UCP's computation of every exhaustive spatial pixel in the universe (for each consecutive UF's frame/s); Likewise, the Old "Material-Causal" Paradigm's basic "Second Law of Thermodynamics" which assumes that the entropic level of any given Physical System must increase with time was also shown to be negated by this New "A-Causal Computation" "G-d's Physics" Paradigm.

Instead, "G-d's Physics" brings about a complete new understanding of the origin- nature- dynamics- evolution- and "Ultimate Goal" of the universe as solely driven by the singular, higher-ordered Universal Consciousness Reality (UCR or UCP): As outlined earlier (and previously), the two key theoretical postulates of the "Computational Invariance Principle" and associated "Universal Consciousness Reality" produce a major transformation in the New "G-d's Physics" basic view of the entire universe – existing only as a "transient-phenomenal" manifestation of the singular higher-ordered "Universal Consciousness Reality" which simultaneously computes the four basic physical features (of "space", "energy", "mass" and "time") of every exhaustive spatial pixel in the universe for each consecutive UF's frame/s, and as existing solely without the presence of any physical universe "in-between" any two such consecutive UF's frame/s! Furthermore, "G-d's Physics" discovery of the "Ten Hierarchical Computational Dimensions' Universal Computational Formula" depicting the manner in which this singular higher-ordered

UCP/UCR simultaneously computes every exhaustive spatial pixel in the universe, based on the UCP's Ten Hierarchical Computational Dimensions' consecutive computation of every exhaustive spatial pixel teaches us that the physical universe truly represents a continuous ongoing activity of this singular higher-ordered UCP/UCR whose sole aim is to evolve this physical universe from "inanimate" matter through ever more expansive forms of Consciousness, i.e., "animate": plants, animals, human-beings and up to the "Perfected Geulah State": "Morally", "Spiritually" and even Physically (e.g., with the "abolishment of Death"!)) Indeed, within this discovered "UCP's Ten Hierarchical Computational Dimensions Universal Computational Formula" the centrality of (sixth) "Collective Human Consciousness Focus" ("תראפת") manifesting through the Jewish "Rosh-Hashana" New Year's Collective Human Consciousness Focus upon the singular higher-ordered UCP/UCR which brings about the UCP's computation of an entire year of the "Multi Spatial-Temporal Reservoir's" "past", "present" and "multiple possible future/s" is closely related to the unique "Critical Prediction" of the New "G-d's Physics" Paradigm predicting the existence of a "Non-Continuous Accelerated Expansion of the Universe" during the Jewish "Rosh-Hashana" two days' time-interval; This is because due to this "Collective Human Consciousness Focus" occurring during these two days of the Jewish "Rosh-Hashana" New Year – which brings about a new "wish" or "will" of this singular higher-ordered UCP/UCP to further advance the entire universe and Humanity towards the Ultimate "Geulah Goal", the UCP produces such a "Non-Continuous Accelerated Expansion of the Universe" at each consecutive "Collective Human Consciousness Focus" Jewish 'Rosh-Hashana' (two days' time interval)!

Indeed, one of the surprising (and exciting) discoveries made by this New "G-d's Physics" Paradigm regards the centrality of Human Consciousness within the UCP's/UCR's singular higher-ordered reality's continuous production, sustenance and evolution of the entire physical universe towards its "Ultimate Perfected Geulah State" of the world and of Humanity! This because according to the New "G-d's Physics" Paradigm (as stated above) the UCP's "wish" or "will" to sustain and evolve the entire physical universe – for an entire new Year seems to be dependent upon the "Collective Human Consciousness Focus" (sixth) Hierarchical Computational Dimension (Jewish "Rosh-Hashana") of Millions of Jews focusing upon this singular higher-ordered UCR/UCR! It is also significant in the sense that the unique identified "Critical Prediction" of this New "G-d's Physics" Paradigm predicting the "Non-Continuous Accelerated Expansion of the Universe at this Jewish 'Rosh-Hashana'" (NCAEU-JRH) time interval critically contrasts between this centrality of the "Collective Human Consciousness Focus" (UCP's sixth Hierarchical Computational Dimension) of the New "G-d's Physics" Paradigm and the Old "Material-Causal" Paradigm's mere "material-causal" assumed (direct) physical interaction between the (purely hypothetical) "Dark-Matter" and "Dark-Energy" concepts and certain galactic or planetary elements which is assumed to "cause" the "continuous accelerated expansion of the universe"! This is because if indeed the empirically observed accelerated expansion of the universe is brought about merely through the direct physical interaction between those purely hypothetical "Dark-Matter" and "Dark-Energy" concepts and particular galactic or planetary

elements, then the observed accelerated rate of the universe's expansion should be continuous and constant – and should NOT be associated with any such "Collective Human Consciousness Focus" special time-intervals such as the Jewish "Rosh-Hashana" two days' special time interval, and should NOT possess a "Non-Continuous Accelerated Expansion Rate" as uniquely predicted by "G-d's Physics" unique "Critical Prediction"!

Therefore, to the extent that "G-d's Physics" unique and specific "Critical Prediction" regarding the "Non-Continuous Accelerated Expansion of the Universe" at the Jewish 'Rosh-Hashana' New Year two days' time-interval, e.g., this year taking place on the 7th & 8th of Sept., 2021 will be empirically validated, then this would unequivocally support the acceptance of "G-d's Physics" as the New satisfactory Paradigm of 21st century Theoretical Physics, i.e., as more valid than the Old "Material-Causal" Paradigm of 20th century Relativity Theory and Quantum Mechanics! It would directly negate and discard the hypothetical existence of "Dark-Matter" and "Dark-Energy", instead pointing at the sole and singular "cause" for the accelerated expansion of the physical universe which is the higher-ordered UCP/UCR that "responds" to the "Collective Human Consciousness Focus" at the Jewish 'Rosh-Hashana' special (two-days') time interval! Additionally, as suggested above, such an empirical verification of the "Non-Continuous Accelerated Expansion of the Universe" at the Jewish Rosh-Hashana (NCAEU-JRH) would also offer a direct novel resolution for the unresolved "Cosmological-Astronomical Universe's Accelerated Expansion Rate Gap Riddle" – because it would indicate that this "Acceleration Rate Riddle" (ARR) may be accounted for (at least partially) through an incremental NCAEU-JRH increase in the universe's acceleration rate due to the "Collective Human Consciousness Focus" Hierarchical Computational Dimension associated with the Jewish "Rosh-Hashana" every consecutive year, which may account for at least part of this "Cosmological-Astronomical Gap"... It would obviously raise further questions bearing on the time-scale of the universe's evolution and the degree of "continuity" of the universe's expansion rate and other physical characteristics.

We, no doubt, stand at an exciting "pivotal-point" along the development of Science and 21st century Theoretical Physics development in which Astronomers, Cosmologist and Experimental Physicists are (urgently) called for to experimentally validate the New "G-d's Physics" Paradigm's "Critical Prediction" regarding the Non-Continuous Accelerated Expansion of the Universe at the Jewish Rosh-Hashana special time interval (Sep. 7-8th, 2021); which is equivalent to Edington's "historic" Astronomical validation of Einstein's General Relativity Theory's (GRT) "Critical Prediction" regarding Mercury's Perihelion's (double-valued) curvature – that, when validated (in contrast to Newton's Older Classical Mechanics predicted value) led to the acceptance of GRT as the "New Paradigm" for 20th century's Theoretical Physics! The theoretical significance of such an empirical validation of the New "G-d's Physics" Paradigm is potentially far reaching (as described above and previously) and includes: a resolution of the apparent "theoretical-inconsistency" between Relativity Theory and Quantum Mechanics, a complete integration (e.g., for the first time in Theoretical Physics) of the four basic physical features of "space" and "energy", "mass" and "time", as well as of the four Forces of Nature, the key discovery

of the singular higher-ordered Universal Consciousness Reality (UCR or UCP) which solely exists (continuously and consistently) both "during" it's extremely rapid (e.g., " $c^2/h = 1.36 \cdot 10^{50}$ sec') computation of each consecutive UF's frame/s, and also solely existing "in-between" any two such consecutive UF's frame/s; In fact, the empirical validation of this unique "G-d's Physics" "Critical Prediction" of NCAEU-JRH would highlight and support "G-d's Physics" discovery and initial substantiation of the UCP's Ten Hierarchical Computational Dimensions Universal Computational Formula and emphasize the centrality of Human Consciousness as an integral (important) part of the UCP's/UR's ongoing continuous origination- and evolution of the entire physical universe and specifically of Science (and Humanity more generally) towards the fulfillment of its "Ultimate Geulah Goal", i.e., recognizing the singularity of this higher-ordered UCR and leading Science (and Humanity) to study and embrace this "Perfected: Moral, Spiritual & Physical Geulah State"!

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