

The New "G-d's Physics" Paradigm's "Computational Duality Principle" (CDP) Negates the Old "Material-Casual" Paradigm

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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 undergoing a profound "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm underlying Relativity Theory (RT) and Quantum Mechanics (QM) to the New "G-d's Physics" ("Computational Unified Field Theory", CUFT) "A-Causal Computation" Paradigm! This Paradigmatic-Shift ensues from the "Paradigmatic-Crisis" of the Old "Material-Causal" Paradigm signified by the apparent "theoretical-inconsistency" between RT & QM and its inability to account for up to 95% of all the mass and energy in the universe (e.g., assumed to comprise "dark-matter" and "dark-energy" purely hypothetical concepts, but which could not be detected empirically despite to decades of trying to do so!) The New "G-d's Physics" Paradigm resolves this apparent theoretical-inconsistency between RT & QM 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⁻¹)", thereby producing an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every such minimal time-point; Based on empirical proof for two unique "Critical-Predictions of this New "G-d's Physics" Paradigm, associated with the "Proton-Radius Puzzle" findings and the "Universe's Non-Continuous Accelerated Expansion Rate" (UNCAER) the New "G-d's Physics" Paradigm is accepted as the New 21st century Physics Paradigm; Additionally, "G-d's Physics" "Computational Duality Principle" is shown to negate the Old "Material-Causal" Paradigm basic assumptions regarding: The "Big-Bang" Model, discarding "Dark-Matter"/"Dark-Energy" (DM/DE), "Einstein's Equations" "material-causal (implicit) assumption, and QM's "material-causal" assumption regarding the "collapse of the target's probability wave-function" as "caused" by its direct physical interaction with another probe element. Alongside two additional (significant) "Computational Invariance" and "Universal Consciousness Reality" "G-d's Physics" theoretical postulates, and the discovery of the "Ten Hierarchical Computational Dimensions-Universal Computational Formula" (THCD-UCF) a profound revision of Physics basic conception of the physical universe as a "transient-phenomenal" manifestation of this singular UCP/UCR whose Ultimate "Goal" is to bring the universe (and Humanity) to a "Perfect Moral, Spiritual and Physical State of 'Geulah'" in which the singularity of this "All-Goodness", "Moral", "Peaceful" UCR will be recognized by Humanity (and Science)!

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

Twenty-first century Theoretical Physics is undergoing a profound "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm (of 20th century) Relativity Theory (RT) and Quantum Mechanics (QM) to the New "G-d's Physics" ("Computational Unified Field Theory", CUFT)! This Paradigmatic Shift ensues from the "Paradigmatic-Crisis" exhibited by the Old "Material-Causal" Paradigm characterized by the apparent principle "theoretical-inconsistency" that seems to exist between RT and QM, as well as its inability to account for the accelerated expansion of the physical universe – e.g., assumed to occur due to the presence of purely hypothetical "Dark-Matter" and "Dark-Energy" (DM/DE) comprising up to 95% of all of the mass and energy in the universe, but which nevertheless failed to be directly

detected (even after two decades of intensive experimentation)?! In contrast, the New "G-d's Physics" (CUFT) Paradigm has been shown capable of resolving the apparent "theoretical-inconsistency" that exists between RT & QM based on the discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes every exhaustive spatial pixel in the universe at the incredibly rapid rate of " $c^2/h = 1.36^{50}$ (sec⁻¹)", comprising an extremely rapid series of "Universal Frames" (UF's) of the whole universe (at every minimal time-point)! This New "G-d's Physics" Paradigm for 21st century Theoretical Physics also offers an alternative theoretical explanation for the accelerated expansion of the physical universe associated with this discovery of the singular higher-ordered UCP – postulated to add an accelerated number of exhaustive spatial pixels to each consecutive UF's frame/s!

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: " $E = Mc^2$ ", 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):

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

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 ם" to "י" depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: " $c^2/h = 1.36^{50}$ sec'!

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 ("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 h " 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 h Goal" Hierarchical Computational Dimension ("Daat"/"תעד").

The UCR's fourth Hierarchical Computational Dimension is termed: the "Reversed-Time 'Geulah h ' 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 h 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" ((תעד 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 h Goal"! Indeed, this fourth Hierarchical Computational "Reversed-Time Geulah h 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 h -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 regrading 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 h -Goal" of Humanity (and Science)! Hence, the fourth "Reversed-Time Geulah h 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 h Goal State", and it is computed and "corrected" to reach this Perfected "Geulah h -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 ("דסד"/"Chessed"): this "Dynamic-Equilibrium Moral Principle" relates to the actual execution of the UCR's fourth "Reversed-Time Geulah h -Goal" Hierarchical Computational Dimension, i.e., based on a Compassionate ("Chessed/דסד") 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 h 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 h " 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 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 ("הרוביב")/("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" in 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 h -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 h 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 h 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-Kabballah 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 prayer towards- this singular, higher-ordered UCR.

7. The Seventh "Computed Object Potential Values Hierarchical Computational Dimension" ("הצנ")/("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 h 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-Kabballah symbol of "הצנ" "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 h Goal Hierarchical Computational Dimension", which represents the "Eternal" or Ultimate "Geulah h -State" of the world.

8. The "Teshuva"(הבושת)/"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" ("הצננ"/"Netzach"/"Eternal" – wherein if any individual person choses 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" ("הצננ"/"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 h -Goal" State, at every point in time...

9. The Ninth UCR's "Actual Computed Object Values Hierarchical Computational Dimension" ("דוסי"/"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-Kabballah term of "דוסי"/"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 "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 h -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-Infinitude ("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 h -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" – Infinitude ("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-Infinitude ("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 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-Infinitude!

2. Empirical Validation of "G-d's Physics" New Twenty-first Century Paradigm!

Recently, the New "G-d's Physics" Paradigm of 21st century Theoretical Physics has obtained initial empirical validation based on two of its unique "Critical Predictions", i.e., differentiating it from the corresponding predictions of the Old Model's Relativistic or Quantum predictions associated with:

a). The "Proton-Radius Puzzle" Findings:

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:

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

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).

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!

b). The "Universe's Non-Continuous Accelerated Expansion Rate" (UNCAER):

Another direct test of "G-d's Physics" New 21st century Physics Paradigm is provided by an additional (unique) "Critical-Prediction" that differentiates it from the corresponding predictions of the Old "Material-Causal" Relativistic "Big-Bang" Model; Specifically, if the New "G-d's Physics" Paradigm' "Critical Prediction" negates the Old Paradigm's "material-causal" basic assumption regarding the "Big-Bang" Model's creation- and further accelerated expansion- of the physical universe by an

initial "nuclear event" which led to subsequent "dark-matter" and "dark-energy" (purely hypothetical) concepts assumed to "cause" the accelerated expansion of the universe – and point at "G-d's Physics" novel ACC Paradigm's prediction, than this would indicate that the New "G-d's Physics" ACC Paradigm's theoretical account of the UCP continuous (simultaneous) computation of every exhaustive spatial pixel in the universe is a valid description of the continuous creation- "dissolution"-re-creation- and evolution- of the entire physical universe by this singular higher-ordered UCP!

The proposed "G-d's Physics" "Critical-Prediction" that could be tested empirically in order to validate "G-d's Physics" novel alternative conception of the continuous origination- "dissolution"- re-computation- and evolution- of the entire physical universe (simultaneously) is associated with its "Universe's Non-Continuous Accelerated Expansion Rate of Expansion" (UNCAER) – at the Jewish "Rosh-Hashana" (JRH) two-days' special time-interval, at which time according to this New "G-d's Physics" Paradigm the UCP creates a "non-continuous" significant increase in the universe's accelerated expansion rate, due to the "Collective Human Consciousness Focus" occurring during this special time; In contrast to the Old "Material-Causal" Paradigm's basic assumption wherein it is the presence of (purely hypothetical) "dark-matter" and "dark-energy" concepts which "cause" the accelerated expansion of the universe – which necessitates a "Continuous (Constant) Acceleration Rate of the Universe" (CCARU), the New "G-d's Physics" "A-Causal Computation" (ACC) Paradigm predicts an "Universe's Non-Continuous Accelerated Expansion Rate of Expansion" (UNCAER) – which takes place at those special "Collective Human Consciousness Focus" time-intervals such as the Jewish "Rosh-Hashana" (JRH); An important computational basis for this New "G-d's Physics" Paradigm are two of its former Theoretical Postulates called: the "Computational Duality Principle" (CDP) and associated "Universal Computational/Consciousness Principle" (UCP), which state that it is not possible (in principle) for any two given computational elements ("x") and ("y") to determine (or "cause") the value/s of one of these elements (i.e., "y") – because such a "Self-Referential Computational System" (SRCS) would inevitably lead to both a "logical-inconsistency" and ensuing "computational indeterminacy" that are contradicted by that Computational System's proven (empirical) capacity to determine the given 'y' element's values:

Specifically in the case of the Old "Material-Causal" Paradigm's (implicitly) assumed "Self-Referential Computational System" SRCS: it is assumed that it is only based on the direct physical interaction between certain (purely hypothetical) "Dark-Matter/Dark-Energy" (DMDE) elements and their direct (or even indirect) physical interactions with all (possible) "exhaustive components of the Universe" (Uec) of this SRCS System – that this SRCS System is able to compute whether these "exhaustive components of the Universe" (Uec) would remain the "same" or "different" (e.g., "Not U_{ec}")?!

Formally presented, this SRCS System of the Old "Material-Causal" Paradigm:

SRCS: {DMDE, U_{ec}-aer } → "U_{ec}-aer" or "Not U_{ec}-aer "

But, according to "G-d's Physics" "Computational Duality Principle" (CDP) such a SRCS System inevitably leads to both "logical-inconsistency" and ensuing "computational-indeterminacy" in the case of a "Negative" SRCS outcome, i.e., "SRCNS" – in which this SRCS System yields a "negative outcome":

SRCNS: {DMDE, U_{ec}-aer } → "Not U_{ec}-aer"

In which it is assumed that this direct (or indirect) physical interaction between (purely hypothetical) "Dark-Matter"/"Dark-Energy" (DMDE) concepts and the "exhaustive components of the Universe- accelerated rate of expansion" (Uec) "cause" a "change" in this Uec-aer ("Not Uec-aer"); then this leads to an inevitable "logical-inconsistency" – since this SRCNS System states that the universe possesses both the initial Uec-aer rate of expansion and also possesses a "Not Uec-aer" (increased) rate of expansion!?

Obviously, such SRNS "logical-inconsistency" inevitably also leads to an intrinsic state of "computational-indeterminacy" because such a "material-causal" SRCS/SRNS System cannot determine whether its initial Uec-aer or subsequent Not Uec-aer state of the universe's acceleration rate exists?!

But, to the extent that we can validate "G-d's Physics" New Paradigm's "Universe's Non-Continuous Accelerated Expansion Rate" (UNCAER) – then this would negate the SRNC assumed computational structure of the Old "Material-Causal" Paradigm! Hence, the proposed "Critical-Prediction" of "G-d's Physics" New Paradigm that could differentiate it from the corresponding Old "Material-Causal" Paradigm, e.g., regarding the "Big-Bang" Model and associated "Dark-Energy"/"Dark-Matter" should test for "G-d's Physics" predicted "Universe's Non-Continuous Accelerated Expansion Rate" (UNCAER), which coupled with the above CDP would unequivocally validate "G-d's Physics" New ACC Paradigm's conception of the UCP's singular higher-ordered continuous (simultaneous) computation- "dissolution"-re-computation- and evolution of every exhaustive spatial pixel in the universe (for each consecutive UF's frame/s).

The results are taken from a series of scientific studies indicating the existence of a significant "gap" between the universe's measured initial Cosmic Microwave Background (CMB) measurement rate of expansion indices, e.g., of approximately 67 Kilometers per second per megaparsec – as opposed to 74 kilometers per second per megaparsec in later Astronomical measures of the universe's (contemporary) rate of expansion (Scolnic et al. 2014; Riess et al. 2018a, 2019; Shajib et al. 2020; Wong et al. 2020)?! As asserted by the abovementioned "G-d's Physics" Computational Duality Principle (CDP), This "Cosmological-Astronomical Accelerated Expansion Gap" (CAAEG) indicates a SRNS computational result yielded by the Old "Material-Causal" "Self-Referential Computational Structure" (SRCS):

SRCNS: {DM/DE, U_{ec}-er } ti → {"Not U_{ec}-er"} ti+n

wherein it is assumed that it is the direct (or indirect) physical interaction between (purely hypothetical) "Dark-Matter"/"Dark-Energy" (DM/DE concepts) and the "exhaustive components of the Universe- expansion rate" (U_{ec}-ar) that "caus-

es" the universe to increase its acceleration rate with time?!

But, as the CDP teaches us, such a SRNCS computational state inevitably leads to both "logical-inconsistency", e.g., an apparent contradiction between the universe's stated expansion rate at t_i : as U_{ec-er} ; as opposed to its expansion rate as: Not U_{ec-er} at t_{i+n} ?!

This "logical-inconsistency" also invariably leads to an associated "computational-indeterminacy" – simply because such assumed SRCS(SRNCS) computational System is unable to decide whether the universe's accelerated rate should be " U_{ec-er} " (at t_i) or "Not U_{ec-er} " (at t_{i+n}) ?!

But, since according to the CDP we obtain clear empirical results (stated above) wherein the universe in fact exhibits an increase in its acceleration rate over time, e.g., as indicated by the "Cosmological-Astronomical Accelerated Expansion Gap" (CAAEG), therefore the CDP asserts that the basic SRCS/SRNCS Computational System assumed by the Old "Material-Causal" Paradigm (of RT & QM) must be negated and rejected!

Instead, "G-d's Physics" New Paradigm's CDP points at the existence of the singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe (e.g., at the incredible rate of " $c^2/h = 1.36^{-50}$ sec!"), thereby producing an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every consecutive "minimal time-point"!

Indeed, the empirically observed "Cosmological-Astronomical Accelerated Expansion Gap" (CAAEG) conforms with "G-d's Physics" "Critical Prediction" of the "Universe's Non-Continuous Expansion Accelerated Rate" (UNCEAR) – which is further specified to occur during such (special) "Collective Human Consciousness Focus" time-intervals as the "Jewish Rosh-Hashana" (JRH)!

3. The "Computational Duality Principle's" (CDP) Negation of the Old "Material-Causal" Paradigm :

As mentioned above, one of the significant theoretical postulates of the New "G-d's Physics" Paradigm is called: the "Computational Duality Principle" (CDP) which asserts that it is not possible, in principle, to compute any direct (or even indirect) relativistic or quantum physical relationship/s between any given "x" and "y" elements – from within their direct "Self-Referential Computational System" (SRCS) assumed computational structure, but only from the higher-ordered singular "Universal Computational Principle" (UCP); This is because "G-d's Physics" "Computational Duality Principle" (CDP) reveals that this "problematic" "Self-Referential Computational System" (SRCS) computational structure characterizing the Old "Material-Causal" Paradigm inevitably leads to both "logical-inconsistency" and ensuing "computational-indeterminacy" that are intrinsic to this SRCS computational structure; But, since in all of those Relativistic or Quantum Systems, there exists robust empirical evidence that those Systems are capable of computing the outputted result of the System, therefore the CDP asserts that there must exist a singular higher-ordered "Universal Computa-

tional Principle" computing the various states and existence of these Relativistic or Quantum Systems!

The most general representation of this CDP can be given as: Whenever there exists a SRCS System (of the computational structure) assuming that the whole computation is determined solely at the same "di1" computational level:

SRCS {x, y} \rightarrow "y" or "Not y"/di1

the possibility of SRNCS (e.g., "negative" "Not y" output):

SRNCS {x, y} \rightarrow "Not y"/di1

Inevitably leads to "logical-inconsistency", since the "y" element seems to both "exist" and "not exist" at the same "di1" computational level?!

SRNCS {x, y} \rightarrow "Not y"/di1

Such apparent "logical-inconsistency" also inevitably leads to an ensuing "computational indeterminacy", i.e., an apparent inability of such SRCS/SRNCS to determine whether the "y" element exists or "doesn't exist", e.g., denoting a different altered value for this "y" element?!

But, since there exists specific empirical evidence for any of these Relativistic or Quantum Systems' capability to determine and output a particular "y" value, therefore this contradicts the Duality Principle's above proof that such an assumed SRCS/SRNCS Computational System inevitably leads to both "logical-inconsistency" and ensuing "computational indeterminacy" – therefore the CDP points at the existence of a singular higher-ordered UCP which simultaneously computes all exhaustive spatial pixels in the universe (as postulated by "G-d's Physics" "Universal Computational Principle", e.g., thereby producing the extremely rapid series of "Universal-Frames", UF's at the incredible rate of " $c^2/h = 1.36^{-50}$ sec!" comprising the entire physical universe at every such "minimal time-point");

Hence, below is a detailing of the various examples and manifestations of this Old "Material-Causal" Paradigm's assumed SRCS (& SRNCS) Computational Systems – which are all constrained and in fact negated by "G-d's Physics" New Paradigm, all pointing at the "Computational Duality Principle's" (CDP) asserted singular higher-ordered UCP (of "G-d's Physics New "A-Causal Computation" Paradigm)!

a). The "Big-Bang Model":

The "Big-Bang" Model represents this Old "Material-Causal" Paradigm's assumption wherein it is the direct physical interaction/s between a certain "Nuclear Event" (NE) and a given "exhaustive components of the Universe" exhibiting a certain "expansion state" at (U-ec/es) that "causes" the universe's expansion state to "increase", e.g., that is, be "different" than the initial "expansion state", which can be represented as:

SRNCS {NE, (U-ec/es)} \rightarrow NOT (U-ec/es) /di1

Noteworthy is highlighting the implicit "material-causal" as-

sumption of this "Big-Bang" Model's SRCS/SRNCS Computational System, e.g., whereby this SRCS/SRNCS Computational System assumes that it is solely based on this direct physical interaction between the NE and the initial state of the universe's expansion (U-ec/es) that this SRCS/SRNCS System is able to compute the different NOT (U-ec/es) state of the universe; Specifically that the entire SRCS/SRNCS computation exists at the same "di1" computational level of the SRCS!

But, such a SRCS/SRNCS Computational System inevitably leads to a "logical-inconsistency":

$$\text{SRNCS } \{NE, (U-ec/es)\} \rightarrow \text{NOT } (U-ec/es)/di1?!$$

This implies that the SRCS/SRNCS Computational System assumed by the Old "Material-Causal" Paradigm inevitably also leads to an apparent "computational indeterminacy", e.g., an apparent inability of this SRCS/SRNCS Computational System to determine whether the universe will remain its initial (U-ec/e)s state or evolve into the latter "NOT (U-ec/es)"?!

But, since there exists robust empirical evidence indicating the existence of a significant "gap" between the universe's measured initial Cosmic Microwave Background (CMB) measurement rate of expansion indices, e.g., of approximately 67 Kilometers per second per megaparsec – as opposed to 74 kilometers per second per megaparsec in later Astronomical measures of the universe's (contemporary) rate of expansion (Scolnic et al. 2014; Riess et al. 2018a, 2019; Shajib et al. 2020; Wong et al. 2020) indicates that there exists a Computational System that is capable of determining the universe's accelerated rate of expansion – which actually increases "non-continuously" with time: "NOT (U-ec/es)"!

Hence, according to the CDP, this Computational System cannot comprise the Old "Material-Causal" Paradigm's – but only the singular higher-ordered "Universal Computational System" (UCP), which simultaneously computes all exhaustive spatial pixels in the universe (e.g., at the incredible rate of "c2/h" = 1.36-50 sec' of a series of "Universal Frames")!

b). General Relativity Theory (GRT) "Einstein's Equations"

Another (key) manifestation of this Old "Material-Causal" Paradigm's basic assumption is GRT's Einstein's Equations basic "material-causal" assumption: According to Einstein's Equations, the presence of certain "Massive Objects" (MO) and their direct physical interaction with "Space-Time" "causes" a change in the curvature level of this "Space-Time":

$$\text{SRNCS } \{MO, STc\} \rightarrow \text{"NOT STc"}/di1$$

But, once again, such a SRNCS output of the SRCS Computational System basic computational structure inevitably leads to both "logical-inconsistency", i.e., in intrinsic inability of the SRCS(SRNCS) assumed Computational System to determine whether the initial STc or the subsequent "NOT STc" state of "Space-Time" should exist – since they're both intrinsic elements within the same SRCS/SRNCS "di1" computational level!

$$\text{SRNCS } \{MO, STc\} \rightarrow \text{"NOT STc"}/di1$$

Therefore, once again the CDP points at the ensuing "computational-indeterminacy" of such a SRNCS Computational System, which cannot decide whether the resulting state of Relativistic System should remain at the initial STc state or undergo an additional curvature of Space-Time as in the more "curved Space-Time" state, e.g., signified by "NOT STc"?!

But, since the abovementioned clear empirical indication of the existence of a significant "gap" between the universe's measured initial Cosmic Microwave Background (CMB) measurement rate of expansion indices, e.g., of approximately 67 Kilometers per second per megaparsec – as opposed to 74 kilometers per second per megaparsec in later Astronomical measures of the universe's (contemporary) rate of expansion (Scolnic et al. 2014; Riess et al. 2018a, 2019; Shajib et al. 2020; Wong et al. 2020) represents a "special-case" of GRT's Einstein's Equations, then this indicates that the Computational System that is capable of determining the universe's accelerated rate of expansion (associated with Einstein's abovementioned SRCS/SRNCS assumed Computational System);

Therefore, once again, the CDP points at the existence of a singular higher-ordered UCP which simultaneously computes every exhaustive spatial pixel's four basic physical features -of "space", "energy", "mass" and "time", giving rise to an extremely rapid series of UF's frames; Indeed, "G-d's Physics" New "A-Causal Computation" (ACC) Paradigm was shown to offer an alternative computational account for the apparent "material-causal" "curvature of Space-Time by massive objects" – i.e., based on "G-d's Physics" (CUFT) novel computational definitions of the four basic physical features by this singular higher-ordered UCP, and the new "Universal Computational Formula" which completely unifies (for the first time in Physics) between these four basic physical features of the universe:

$$S: (fi\{x,y,z\}[UF(i)] + \dots fj\{x,y,z\}[UF(n)]) / h * n \{UF's\}$$

such that:

$$fj\{x,y,z\}[UF(n)] \leq fi\{x+(h*n), y+(h*n), z+(h*n)\} [UF's(i\dots n)]$$

where the "space" measure of a given object (or event) is computed based on a "Frame-consistent" computation that adds the specific UF's (x,y,z) localization across a series of UF's [i\dots n] which nevertheless do not exceed the threshold of Planck's constant per each number ("n") of frames (e.g., thereby providing "G-d's Physics" New Paradigm's computational definition of "space" as "Frame-consistent" UF's measure!

Conversely, the "energy" of any given "object" (e.g., whether it is the spatial dimensions of an object or event or whether it relates to the spatial location of an object) is computed based on the event or whether it relates to the spatial location of an object) is computed based on "Frame-inconsistent" differences of a given "object's" location or size across a series of UF's, divided by the speed of light ("c") multiplied by the number of UF's across which the "object's" energy value is computed by the UCP:

$$E: (fi\{x,y,z\}[UF(i)] - \dots fj\{x,y,z\}[UF(n)]) / c * n \{UF's\}$$

such that:

$$f_j \{x,y,z\} [UF(n) > f_i \{x+(h*n), y+(h*n), z+(h*n)\} [UF's(i...n)]$$

wherein the energetic value of a given object, event etc. is computed based on the subtraction of that object's UF's (universal pixels' Coordinate System's location) across a series of UF's, divided by the speed of light multiplied by the number of UF's. In contrast, the computational definition of "mass" of any given "object" is computed by the UCP based on the number of times an "object" is presented "consistently" across a series of UF's, divided by Planck's constant (e.g., representing the minimal degree of inter-frame's changes):

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

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):

such that:

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

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.

In contrast, the UCP's computational measure of the "time" value is based on the number of instances that a given object has "changed" – relative to the speed of light in terms of its "Object-inconsistent" "internal" {o-x,o-y,o-z} values, across a given series of UF's frames changes:

$$T: \sum [O_i \{o-x,o-y,o-z\} [UF(n)] \neq O(i...n \{o-x,o-y,o-z\} \{UF(i...n)\} / c * n \{UF's(i...n)\}$$

such that:

$$T: [O_i \{x,y,z\} UF's(i)] - O_n \{x,y,z\} UF's(i...n) \leq c * h \{UF's(i...n)\}$$

Wherein the "temporal" value of any given UCP's computational measure of "time" 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 the speed of light.

Universal Computational Formula (UCF):

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

c). Quantum Mechanics "Material-Causal" Assumed Collapse of the Target's Probability Wave-Function:

Another important manifestation of the Old "Material-Causal" Paradigm's basic assumption which is challenged and negated by "G-d's Physics" New "Computational Duality Principle" is Quantum Mechanics' "material-causal" assumption wherein it is the direct physical interaction between a given subatomic "probe" (P) element and a corresponding subatomic ("un-coll-

apsed") "target's probability wave-function" (Tu-wf)– which is assumed to "cause" the "collapse of the probability wave-function" into a single "complimentary" (space/energy or time/mass) value:

$$SRNCS: \{P, Tu-wf\} \rightarrow \text{"NOT Tu-wf"}/di$$

But, as stated above, according to the CDP such a SRNCS Computational System inevitably leads to "logical-inconsistency" and ensuing "computational-indeterminacy":

$$SRNCS: \{P, Tu-wf\} \rightarrow \text{"NOT Tu-wf"}/di$$

Wherein this assumed SRNCS Computational System cannot decide whether the target element should exhibit its assumed "un-collapsed" probability wave function values or the single "complimentary" (space/energy or mass/time) "collapsed" value?!

However, since we know empirically that any such QM System is capable of determining the "collapsed" single complimentary value of any given subatomic target element – therefore the CDP points at the existence of the singular higher-ordered "Universal Computational Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe as an extremely rapid series of Universal Frames (UF's) at the incredible rate of "c²/h" = 1.36⁻⁵⁰ sec'!

As outlined and delineated extensively (previously) the New "G-d's Physics" "A-Causal Computation" Paradigm expands, embeds and transcends the Old "Material-Causal" Paradigm's conception of QM's "single spatial-temporal" "particle", "multiple spatial-temporal" "wave" – and "exhaustive" "Universal Frames" (UF's) computational perspectives which are all embedded within the UCP's singular higher-ordered (integrated) "Universal Computational Formula" (outlined above).

4. Discussion: Theoretical Ramifications of "G-d's Physics" CDP Negation of the Old "Material-Causal" Paradigm

Hence, we see that underlying the Old "Material-Causal Paradigm" is a fundamental "material-causal" "Self-Referential Computational System" (SRCS) which inevitably leads to a both "logical-inconsistency" and ensuing "computational-indeterminacy" which are negated by empirical evidence indicating that those Relativistic and Quantum Systems are capable of determining their specific outcomes – which according to the CDP points at the existence of singular higher-ordered UCP that computes simultaneously all exhaustive spatial pixels in the universe for each consecutive UF's frame/s (e.g., at the incredible rate of "c²/h" = 1.36⁻⁵⁰ sec'!) Once again, "G-d's Physics" New 21st century "A-Causal Computation" (ACC) Paradigm's "Computational Duality Principle's" (CDP) negation of the Old "Material-Causal" Paradigm's fundamental "material-causal" assumption – not only negates some of the most basic assumptions associated with the Old "Material-Causal" Paradigm (abovementioned), including: a) The "Big-Bang" Model's assumed origination and assumed creation of all "mass", "energy", "space" and "time" by an initial "nuclear event" which is assumed to "cause" the accelerated expansion of the universe; b) The existence of purely hypothetical "Dark-Matter" and "Dark-Energy" (DM/DE) concepts which are assumed to "cause" the accelerated expansion of the physical universe; c) General Relativity Theory's Einstein's Equations' basic assumed evolution of the universe by certain "Massive-Objects" (MO) which are assumed to "cause"

the "curvature of Space-Time" (and converse determination of those "massive-objects" travelling-pathways as "caused" or determined by this curvature of Space-Time); d) QM's assumed "material-causal" "collapse" of the subatomic target's "probability wave-function" as "caused" by its direct physical interaction with a corresponding subatomic "probe" element into a singular complimentary "space-energy" or "mass-time" value; The negation of each of these manifestations of the Old "Material-Causal" Paradigm basic "Self-Referential Computational System" (SRCS) computational structure was proven (above) based on the "Computational Duality Principle" (CDP) which indicated that such basic SRCS/SRNCS Computational Systems inevitably lead to both "logical-inconsistency" and associated "computational-indeterminacy" that are negated by clear empirical evidence indicating the capacity of these Relativistic or Quantum Systems to determine their respective computational outcomes; hence, the CDP pointed at the necessary existence of a singular higher-ordered "Universal Computational Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe, e.g., for each consecutive UF's frame/s!

But, even beyond this (highly significant) negation of the Old "Material-Causal" Paradigm underlying GRT and QM basic conception of the origination, sustenance and dynamics of the physical universe; the New "G-d's Physics" "A-Causal Computation" Paradigm was shown to completely integrate both Relativistic and Quantum Models within the singular higher-ordered UCP's "Universal Computational Formula" (UCF):

Universal Computational Formula (UCF):

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

In fact, once we realize based on "G-d's Physics" additional (profound) theoretical postulates of the "Computational Invariance Principle" and associated "Universal Consciousness Reality" (UCR), which essentially point at the sole and singular reality of this "Universal Computational/Consciousness Princi-

ple" or "Universal Consciousness Reality" (UCR) – which exists uniformly, continuously and constantly both "during" its computation of each consecutive UF's frame/s (e.g., simultaneously computing every exhaustive spatial pixel's four basic physical features of "space", "energy", "mass" and "time"), and also exists solely without the presence of any physical universe "in-between" any two consecutive UF's frame/s; as opposed to the only "transient" and "phenomenal" existence of all of the universe's exhaustive spatial pixels – existing only "during" the UCP's computation of every consecutive UF's frame/s but not "in-between" any two consecutive UF's frames; therefore according to these two "Computational Invariance Principle" and "Universal Consciousness Reality" theoretical postulates there only exists only singular higher-ordered "Universal Consciousness Reality" (UCR or UCP) which exists continuously, constantly and uniformly both "during" its manifestation as the physical universe (through its sole computation of each consecutive UF's frame/s) and "in-between" any two consecutive UF's frame/s in which only this singular UCR exists (without the presence of any physical universe); Viewed from this singular higher-ordered "G-d's Physics" "UCR" perspective, the entire universe is seen (and realized) as representing a manifestation of this singular UCR which exists uniformly and constantly.

Finally, as shown previously, due to "G-d's Physics" New Paradigm's realization that there truly only exists one singular higher-ordered UCR Reality, and based on the (previously delineated) UCP's/UCR's "Ten Hierarchical Computational Dimensions" characterizing this singular UCR Reality, we reach a profound new conceptualization and appreciation of the true (singular) UCR Reality underlying- creating- "dissolving" (e.g., "in-between" any two consecutive UF's frames!) and evolving-every exhaustive spatial pixel in the universe (as well as the whole universe); Indeed, according to the abovementioned (and previously delineated) "Ten Hierarchical Computational Dimensions – Universal Computational Formula" (THCD-UCF) this singular higher-ordered UCP/UCR is characterized by such "Divine" properties as "All-Goodness", the "Dynamic-Equilibrium Moral Principle", "Oneness, "Peace" and "Harmony" and aims to evolve the whole physical universe towards its "Ultimate Geulah Goal" Moral, Spiritual and Physical State of Perfection, in which the whole of Humanity and Science will recognize this singular UCR "Divine Reality"...

UNIVERSAL COMPUTATIONAL FORMULA (THD-UCF):

$$\left. \begin{matrix} \infty \\ \text{חב"ד} \\ \downarrow \\ \text{חג"ת} \\ \downarrow \\ \text{נה"י} \end{matrix} \right\} \cdot \infty \cdot \left. \begin{matrix} c^2 \\ - \\ h \end{matrix} \right\} = \frac{s * e}{t * m}$$

UF's {ת...מ...א} [Px] (a...z)

Figure 1: THE TEN HIERARCHICAL DIMENSIONS'

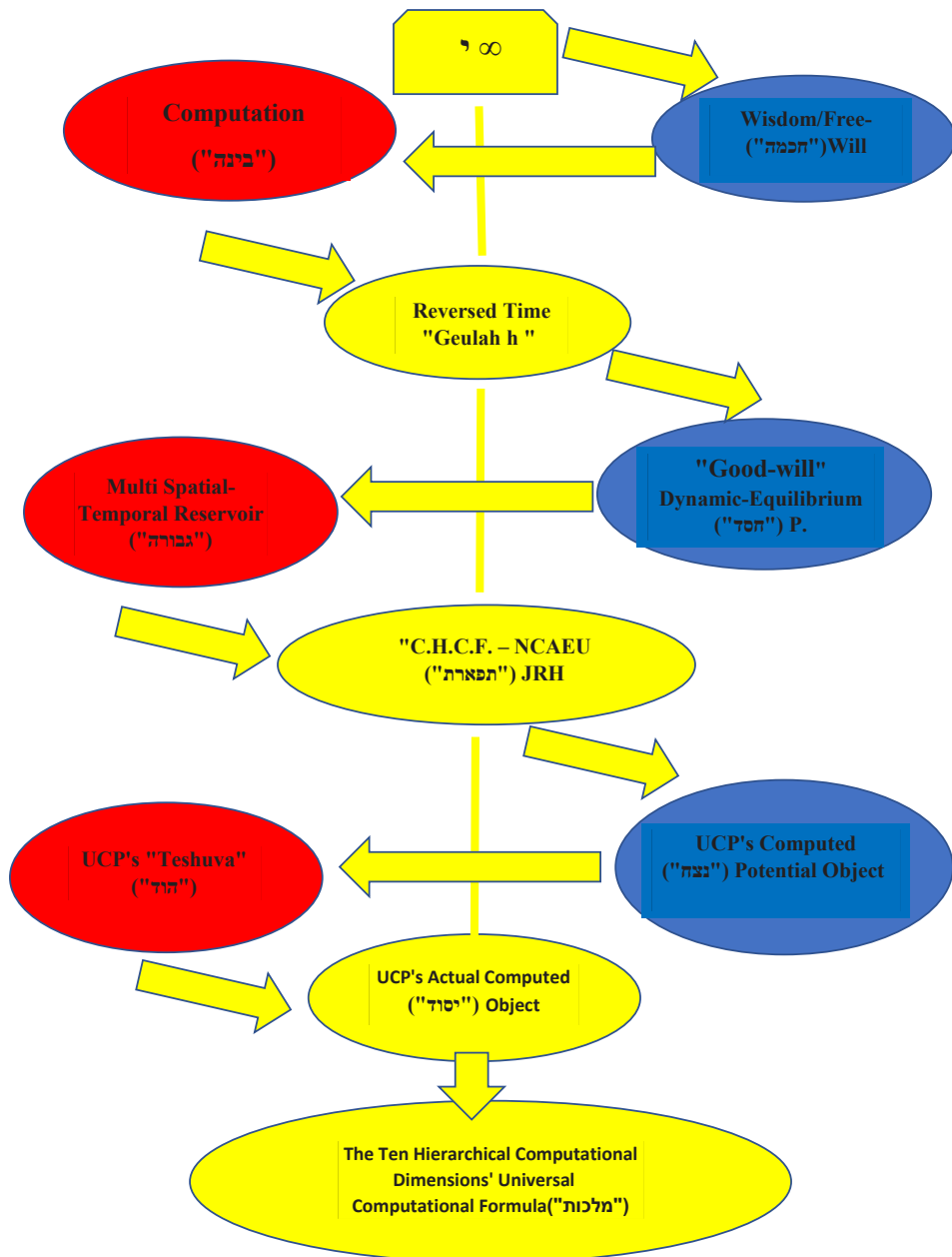


Figure 2: The "UCR's Ten Hierarchical Computational Dimensions" Diagram

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