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# "G-D'S PHYSICS" NEW 21<sup>ST</sup> CENTURY PARADIGM: A COMPLETE INTEGRATION OF "SPACE" & "ENERGY", "MASS" & "TIME"!

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\*Note: Dr. Bentovish is currently seeking the most appropriate leading Academic Institute to assist him in carrying-out further necessary empirical validation and Theoretical elaboration of his New Twenty-first Century New 'G-d's Physics' Paradigm.

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#### **ABSTRACT**

Based on the New "G-d's Physics" ("Computational Unified Field Theory", CUFT) Paradigm of 21st Century Theoretical Physics Twenty-First Century Theoretical Physics the Old "Material-Causal" Paradigm underlying Relativity Theory (RT) and Quantum Mechanics (QM) basic assumptions and conception of the physical universe are being challenged and revised: This Follows the New "G-d's Physics" discovery of the 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<sup>-50</sup> (sec') thereby creating an extremely rapid series of "Universal-Frames" (UF's), which therefore negates the very possibility of the existence of any (direct or indirect) "material-causal" interactions between any two (or more) exhaustive spatial pixels existing either in the same- or different "Universal-Frames" (UF's)! The physical universe was not created by an initial "Big-Bang" nuclear event, nor is it "propelled" by the purely "hypothetical" concepts of "dark-matter" or "dark-energy" but is rather being continuously computed- "dissolved"- re-computed- and evolved- by this singular higher-ordered UCP (at the incredible rate of " $c^2/h$ " = 1.36<sup>-50</sup> sec')! Moreover, the New "G-d's Physics" (CUFT) Paradigm discovered a new "Universal Computational Formula" (UCF) which allows for the complete unification of the four basic physical features of "space" and "energy", "mass" and "time" based on two of the UCP's "Computational-Dimensions" of "Framework" and "Consistency" and their complete integration within this novel UCF! Therefore, for the first time, Theoretical Physics is able to completely unify between these four basic physical features of the physical universe as secondary computational by-products of the singular higher-ordered UCP's extremely rapid (simultaneous) computation of every exhaustive spatial pixel comprising the entire physical universe for each consecutive UF's frame/s!

### 1. Introduction: 20<sup>th</sup> Century's Physics Old "Material-Causal" Paradigmatic Crisis

"No better destiny can be allotted to any Physical Theory than that it becomes a "Special-Case" in a broader theoretical understanding!" - is Einstein's famous reply to a question posed to him over 100 years ago regarding the "fate" of his Relativity Theory, i.e. would it "prevail" as the governing Theory in Physics?! Indeed, the great Einstein (considered as one of two greatest scientists the world has ever known!) was "humble" enough to admit (and even "foresee") the future evolution of Physics (and Science, more generally) – as leading to the inevitable further "expansion" of our Scientific understanding, which would (somehow) include his Relativity Theory (and subsequent Quantum Mechanics) as "Special-Cases" within a broader, more exhaustive New Theoretical Understanding! Einstein himself was "bold" enough to "question" and indeed "challenge" the former acceptable "Classical-Mechanics" Newtonian Paradigm (and subsequent Maxwellian Electromagnetic Theory) –

discarding the "purely hypothetical" "Ether" concept which was assumed to pervade the entire physical universe, but could not yet be detected despite numerous attempts to do so (e.g., including the famous "Michelson-Morley" experiment that failed to detect the existence of this "purely hypothetical" Ether element)! Einstein realized then- and indeed called for- discarding this "Ether" concept as "superfluous" (i.e., "non-existent") and went on to develop his General Theory of Relativity — which included the former "Newtonian Classical Mechanics" as a "Special-Case"!

We currently stand, it seems, at an "equivalent critical-juncture" along the inevitable evolution of Science, wherein the Old "Material-Causal" Paradigm of 20<sup>th</sup> Century Physics underlying both Relativity Theory (RT) and Quantum Mechanics (QM) seems to have reached a "parallel" fundamental "Paradigmatic-Crisis" calling for a similar (higher) "Paradigmatic-Shift" towards the New 21<sup>st</sup> Century "G-d's Physics", e.g., also called: the

"Computational Unified Field Theory", CUFT, named after Einstein's "bold" quest to find such a "Unified Field Theory" that would resolve the apparent "contradiction" between these two pillars of 20th Century Physics (RT & QM)! This is because as described by the famous philosopher of Science, Thomas Kuhn, the evolution of any scientific discipline can be characterized through an alteration between phases which he termed as "Standard Science", in which the scientific inquiry is based on the assumptions of a given "Standard Paradigm", and phases of a "Paradigmatic-Shift" - in which the basic assumptions underlying the Old "Standard Paradigm" do not suffice (any longer) to explain a series of new phenomena, as well as due to the appearance of basic "theoretical inconsistencies" in the very foundations of that Old Paradigm! This seems to precisely characterize the state of 20<sup>th</sup> Century's Old "Material-Causal" Paradigm, in which there exists key unexplained phenomena such as the empirically observed accelerated expansion of the physical universe - which cannot be accounted for, except through the "purely hypothetical" existence of "dark-matter" and "dark-energy" which are assumed to account for up to 95% of all the mass and energy in the universe, but yet cannot be detected directly experimentally (despite numerous attempts to do so, alike the "Ether" concept)!? Indeed, alike Einstein's discarding of the "Ether" concept as "superfluous" (due to the inability to detect it experimentally), the New "Gd's Physics" (CUFT) Paradigm also stipulated those "purely hypothetical" "dark-matter" and "dark-energy" are "superfluous" (i.e., "non-existent"!) Additionally, the apparent basic "theoretical inconsistency" that seems to exist between Relativity Theory and Quantum Mechanics, e.g., due to RT's insistence upon a strict "Speed of Light Barrier" for the transmission of any signal across space and time, as opposed to QM's discovery of the "Quantum-Entanglement" phenomenon which indicates that the subatomic measurement of one "entangled-particle" instantaneously" determines the "complimentary-properties" of the other "entangledparticle", e.g., wherein these two "entangled-particles" are separated by a distance greater than can be traversed by a light signal! Indeed, according to Kuhn's fine analysis of the "Structure of Scientific Revolutions" (1962), this "impossible state" of 21st Century Physics clearly calls for a "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm of 20th Century's RT & QM towards the New "G-d's Physics" (CUFT) Paradigm provided that this New "G-d's Physics" (CUFT) Paradigm can resolve these apparent "theoretical inconsistencies" that seem to exist between RT & QM, satisfactorily offer an alternative explanation for the otherwise "unexplained" accelerated expansion of the physical universe (based on its discarding of those "darkmatter", "dark-energy" purely "hypothetical" concepts as "superfluous"!); and most importantly, provide at least one unique "Critical Prediction" that differentiates this New "G-d's Physics" Paradigm from the corresponding predictions of the Old "Material-Causal" 20<sup>th</sup> Century Paradigm of both RT & QM!

Indeed, in over forty scientific peer-reviewed articles and Textbooks, this New "G-d's Physics" (CUFT) Paradigm was shown capable of resolving this apparent "theoretical inconsistency" that seem to exist between RT & QM, e.g., based on it's (surprising) discovery 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 " $c^2/h$ " =  $1.36^{-50}$  sec', giving rise to an extremely rapid series of "Universal Frames" (depicting the entire physical universe at every such "minimal time-point" UF's frame/s)... Moreover, this New "G-d's Physics" Paradigm was also shown capable of replicating all major Relativistic and Quantum phenomena and laws, and also offered an alternative new theoretical explanation for the empirically observed accelerated expansion of the physical universe: In a nutshell, this new alternative explanation for the universe's observed accelerated expansion rate is explained through this singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) accelerated addition of the number of exhaustive spatial comprising each consecutive UF's frame/s! In fact, this hypothetical new explanation of the accelerated expansion of the entire physical universe – also provided (with another additional "Collective Consciousness Focus Hypothesis" at the Jewish "Rosh-Hashana" New Year special "time-interval) one of the unique "Critical-Predictions" of this New "G-d's Physics" Paradigm, which was called for the immediate validation of all Cosmologists Astronomers! So far, unfortunately, no Cosmologist or Astronomer has reported carrying out this extremely important empirical validation of the New "G-d's Physics" Paradigm for 21<sup>st</sup> Century Physics!? It is indeed important to mention it is precisely those "bold" attempts of individual Experimental Physicists - to validate the "Critical Prediction/s" of any New Scientific Paradigm like Eddington's famous "bold" expedition to measure (and indeed validate) Einstein's new "Critical Prediction" regarding the increased value of Mercury's Perihelion curvature - that "crowned" Relativity Theory as the New Paradigm for 20th Century Physics (replacing and embedding the Old Newtonian Paradigm as a "Special-Case" within its broader Theoretical Model)! Indeed, it is therefore of critical importance that such new "bold" Experimental Physicists, Astronomers, Cosmologists similarly attempt to verify one of multiple unique "Critical Predictions" of this New "G-d's Physics" (previously delineated), including the "Non-Continuous Accelerated Expansion of the Universe" at the Jewish "Rosh-Hashana" special (Collective-Human Consciousness Focus) time interval, as well as an empirical verification of the greater number of "Fine-Temporal Measurements" (FTM) instances in which a relatively "more-massive" subatomic particle (such as the "Muon" particle) would be measured relative to the number of instances that a relatively "less-massive" particle (such as an electron) would be measured (e.g., across the same given time-interval). Such empirical

validations of either of these unique "Critical Predictions" of the New "G-d's Physics" Paradigm would similarly "crown" this New "G-d's Physics" Paradigm as the New appropriate Paradigm for 21<sup>st</sup> Century Theoretical Physics!

## 2. The New 21<sup>st</sup> Century "G-d's Physics" (CUFT) Paradigm

Since the aim of the current article is to highlight one of the amazing new discoveries of this New "G-d's Physics" Paradigm – i.e., regarding the complete unification of the four basic physical features of the entire physical universe of "space" and "energy", "mass" and "time"; it is first important to just outline the gist and basic theoretical postulates of the New "G-d's Physics" Paradigm: One of the primary discoveries made by "Gd's Physics" is 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  $c^2/h'' = 1.35^{-50}$  sec'(!), which produces an extremely rapid rate of "Universal Frames" (comprising all of the spatial pixels in the universe at every such "minimal time-point")... "In-between" every two consecutive UF's frames the entire universe (and all of its comprising exhaustive spatial pixels) "dissolve" back into the singularity of the UCP! The simultaneity of the UCP's computation of all exhaustive spatial pixels in the universe (for each consecutive Universal Frame, UF) brought about the realization that "G-d's Physics" portrays a New "A-Causal Computational" Paradigm i.e., which negates the very possibility of any "materialcausal" direct physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or other UF's frame/s!? This is because since this singular (higher-ordered) UCP simultaneously computes all of the exhaustive spatial pixels in the universe there cannot exist any direct physical interaction/s between any two (or more) exhaustive spatial pixels existing in the same UF's frame; Moreover, since the entire physical universe "dissolves" "in-between" any two consecutive UF's frames back into the singularity of the UCP, there cannot be any transference of any "material" or "physical" entity (or "effect") across any two consecutive UF's frame/s!

In addition, the New "G-d's Physics" Paradigm posits that this singular (higher-ordered) UCP possesses three "Computational Dimensions", "Framework" e.g., (frame/object), "Consistency" (consistent/inconsistent) and "Locus" (global/local) - two out of which (Framework and Consistency) are responsible for the UCP's computation of the four basic physical features of "space", "time, "energy" and "mass"! Essentially, the New "G-d's Physics" Paradigm postulates that the UCP computes for each exhaustive spatial pixel in the universe (simultaneously) either it's "Object" "consistent" ("mass") or "inconsistent" (time") values or its "Frame" - "consistent" ("space") or "inconsistent" ("energy") values based on the UCP's computation of the degree of "consistency" or "inconsistency" in a given object across a given series of UF's frames, or the degree of "consistency" or "inconsistency" of that object relative to the entire "Universal Frame" (coordinates), once again, across a series of UF's frames! Indeed, since the UCP simultaneously computes both the "Object"-"consistent"/"inconsistent" the "Frame"and "consistent"/"inconsistent" physical features (for each exhaustive spatial pixel in the universe for each consecutive UF's frames), this has led to the discovery of singular "Universal Computational Formula" describing the UCP's (extremely rapid) computation of all of these (four) basic physical features (of "space and "energy", "mass" and "time") in an integrated manner (as further described below): Interestingly, "G-d's Physics" New Paradigm not only discovered the existence of this singular higher-ordered UCP which simultaneously computes all exhaustive spatial pixels in the universe (e.g., for each exhaustive spatial pixel at each consecutive UF's frame/s) - but also pointed at the existence of all "past", "present" and (multiple possible) "future/s" UF's frames within the UCP's "Multi Spatial-Temporal Reservoir"! Surprisingly, according to this New "G-d's Physics" Paradigm, the "selection" of which of multiple possible UF's frames would be computed by the UCP - i.e., at each given presentation of the "present" UF frame is determined by the "moral-choice" of each individual Human-Being (at any given point in time), based on the discovery of a novel "Dynamic-Equilibrium" Moral Principle (characterizing this singular higher-ordered UCP), which seeks to "balance" (or "correct") any "moral-imbalance" created by an "immoral act" executed by one "Individual Human Consciousness towards another Human-Being (as will be further delineated below);

### 3. "G-d's Physics" New "Universal Computational Formula"!

In order to fully appreciate "G-d's Physics" New 21st Century breakthrough in Theoretical Physics - and specifically it's complete unification of these four basic physical features of "space" and "energy", "mass" and "time" (which is the highlight of this article), we first need to understand the basic principle difference between the Old "Material-Causal" Paradigm of 20th Century Physics - underlying both Relativity Theory (RT) and Quantum Mechanics (QM): The basic assumption underlying both RT & QM is the Old (20<sup>th</sup> Century) Paradigm's "Material-Causal" Assumption; Basically, this "Material-Causal" Assumption posits that any physical phenomenon can be explained simply based on a finite series of direct physical interactions between a given set of material elements! In this manner, RT sought to explain the origin- and evolution- of the entire physical cosmos based on the direct physical interaction/s of given series of "massive" objects and their "causal" effect of curving (the "fabric" of) "Space-Time", or conversely explain the whole existence and dynamics of the subatomic reality based on the direct physical interactions between a subatomic "probe" and

corresponding subatomic "target's probability wave function - which "causes" the "collapse" of that subatomic target's (assumed) "probability wave function " elements; But, based on the "G-d's Physics" New 21st Century Paradigm's discovery of the singular higherordered Universal Computational/Consciousness Principle (UCP) posited to simultaneously compute every exhaustive spatial pixel in the universe, e.g., for each consecutive Universal Frame/s (UF's), then this "Material-Causal" basic assumption is strictly negated! This is because this simultaneous UCP computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s prohibits and negates the very possibility of the existence of any such direct physical interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different UF's frame/s! Moreover, since the whole physical universe is posited to "dissolve" "in-between" any two such consecutive UF's frame/s, therefore there cannot also exist any direct "physical interaction" or even any "transference" of any "material" or "physical" element/s "across" any two consecutive UF's frame/s!

Therefore, the New "G-d's Physics" Paradigm (of 21st Century Physics) completely negates the basic "Material-Causal" assumption underlying both RT & QM - instead calling for a fundamental revision of our basic understanding of the origin- nature- dynamics- and evolution- of the entire physical cosmos! Nevertheless, it is important to note that the New "G-d's Physics" Paradigm does not negate the key phenomena described either by RT or QM – but rather explains them in a completely different manner, based on its much broader and more exhaustive theoretical understanding: Perhaps the best "starting-point" to describe the principle difference between this New "G-d's Physics" Paradigm and the Old "Material-Causal" paradigm (underlying both RT & QM) is by delineating "G-d's Physics" novel (and profound) analysis of the four basic physical features of "space", "energy", "mass" and "time": Unlike either RT or QM in which these four basic physical features are conceptualized as existing "separately" or "independently" of each other – albeit there exist certain "inter-relationships" (e.g., such as the unification of "space" and "time" as a four dimensional "Space-Time" continuum) or even certain "equivalences" (e.g., such as Relativity's famous "Energy-Mass Equivalence"), the "G-d's Physics" Paradigm's "computational definitions" of each of those four basic physical features - as computed by a singular (higher-ordered) "Universal Computational/Consciousness Principle" (UCP) and its associated (novel) "Universal Computational Formula" (UCF) completely integrates these four basic physical features as comprising integral and in fact "inseparable" secondary computational by-products of this singular UCP's computation (and creation) of a series of Universal Frames!

In a nutshell, the New "G-d's Physics" Paradigm postulates that these four basic physical features of

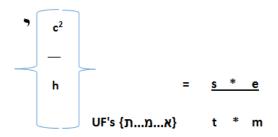
"space" and "energy" or "mass" and "time" are computed simultaneously by the singular (higher-ordered) Universal Computational/Consciousness Principle (UCP) - for each exhaustive spatial pixels, comprising the (extremely rapid, e.g., " $c^2/h$ "= 1.36<sup>-50</sup> sec'!) series of Universal Frames (UF's) portraying the entire physical universe (at each such minimal "time-point"); This extremely rapid computation of the UCP of each consecutive UF's frames' exhaustive spatial pixels' four physical features (of "space" and "energy", "time" or mass") is associated with the UCP's three "Computational Dimensions" – specifically with two of them, namely: "Framework" ('frame' vs. 'object') and "Consistency" ('consistent' vs. 'inconsistent'); This is because the UCP's computation of any exhaustive spatial pixel's "frame"- "consistent" or "inconsistent" measures (across a series of UF's frames) produces that spatial pixel's "space" and "energy" values! And likewise, the UCP's computation of any given exhaustive spatial pixel's "object" - "consistent" or "inconsistent" computational measures (across a series of UF's frames) provides that pixel's "mass" and "time" values! It is obviously quite "stunning" or indeed almost "inconceivable" to fathom the complexity "infinitude" of the UCP's "Intelligence" - capable of simultaneously computing each of the almost infinite exhaustive spatial pixels comprising the entire physical universe for each consecutive UF's frame/s; and for each of these exhaustive spatial pixels the UCP has to compute the degree of that spatial pixel's "degree of change" ("inconsistent") or "degree of lack of change" ("consistent") – both at the "object" level, i.e., the number of times that that given object is presented "consistently" across a series of UF's frames (regardless of its "location" relative to the coordinates of the entire UF's Frame/s)... What's perhaps even more profound is this New "G-d's Physics" Paradigm's realization that the UCP's simultaneous computation of each exhaustive spatial pixels' four basic physical features of "space" and "energy", or "mass' and "time" - as the UCP's computation of any given spatial pixel's "frame" consistent or "inconsistent", or "object"- "consistent" or "inconsistent" measures points at the complete integration of these four basic physical features as "secondary computational measures" of the same (singular) UCP's simultaneous computation!

We can begin noticing this UCP's complete integration of these four basic physical features – simply based on their "complimentary" computational characterizations: since (once again) the computational definitions of the UCP's computation of an "object's" – "consistent" vs. "inconsistent" measures of "energy" and "space", or of an object's "frame" – "consistent" or "inconsistent" measures as its "mass" and "time" values; this means that the UCP's computation of each of these "complimentary" computational measures of "frame"- "consistent" (space) or "inconsistent" (energy) values implies that these "complimentary computational" ("frame"- or "object"-) measures does not exist "independently" of each other,

but rather represents complimentary-integrated secondary computational measures of the same UCP's singular integrated computation! Likewise, the UCP's singular-integrated computation of any given "object's" -("mass") or "inconsistent" ("time") computational measures must also be completely integrated as the UCP's simultaneous computation of any such given "object's" - "consistent" ("mass") or "inconsistent" ("time") computational measures represent "complimentary-interdependent" stemming from the UCP's singular simultaneous computation of that given "object's" degree of "change" ("inconsistent": "mass") or "lack of change" ("consistent": "time")! It may be said that these UCP's simultaneous singular-integrated computation/s of any given "object's" - "consistent" ("mass") or "inconsistent" ("time"), or of any given "consistent" ("space") "frame" "inconsistent" ("energy") values may be likened to the "measurement" of a given "cup's" - "half full" or "halfempty" properties which are "interdependent" and really represent "complimentary measures" of the same "cup's liquid-filled reality"!?

In fact, as shown previously, the UCP's "singularintegrated" computation of each of these "object" -"consistent" ("mass") or "inconsistent" ("time"), or "frame" – "consistent" ("space") or "inconsistent" ("time") measures is seen as also being "interdependent" or represent different "secondary computational integrated measures" of the same UCP singular ("object"/"frame") simultaneous "Framework" "Consistency" ("consistent" or "inconsistent") Computational Dimensions' integrated computation! As shown previously, this lead to the discovery of the integrated UCP's "Universal singular fully Computational Formula" (UCF) which portrays the profound (and elegant) full integration of the UCP's simultaneous computation of these four basic physical features.

### Universal Computational Formula (UCF)



wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("¬") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "¬¬¬ through "¬¬¬ to "¬¬¬)" 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:  ${\rm "c}^2/{\rm h"} = 1.36^{-50}\,{\rm sec'!}$ 

as can be seen from this "Univresal Computational Formula" (UCF), the UCP simultaneously computes an integrated and combined interrelationships between these two "Object- consistent (mass)/inconsistent (time) and Frame-consistent (space) /inconsistent (energy) computational pairs! As previously delineated, this complete integration between the four basic physical features of "space", "energy", "mass" and "time" - as secondary integrated computational properties of the UCP's singular (higher-ordered) computation stems from the fact that each of these four secondary computational physical features represents a particular facet of the same singular integrated UCP's computation represented by this Universal Computational Formula! Thus, for instance, we can notice that the UCP's computation of an "object's" – number of "consistent" ("mass") presentations necessarily increases, as a function of that object's (UCP's computation of) its "frame-inconsistent" ("energy") value! This is simply due to the fact that the greater the value of a given object's "frame-inconsistent" ("energy") computed by the UCP, e.g., which implies that the UCP computes a greater degree of "displacement" (relative to the entire UF's frame) across a series of such UF's frames; this necessarily entails that that "object-consistent" ("mass") value has to also increase (due the maximal stipulated displacement of any given object across two consecutive UF's frames!)

we find that, for instance, the close So, "interdependency" between the UCP's computation of any given object's "frame-inconsistent" ("energy") value and its computed "object-consistent" ("mass") value stems from the fact that the UCP simultaneous computation of each exhaustive spatial pixel comprises a singular-integrated process carried out by its three (and specifically two) "Computational-Dimensions", e.g., of "Framework" ("frame" or "object") and "Consistency" ("consistent" or "inconsistent")! Likewise, we find that the "special-case" of Relativity's dilation of "time" ("object-inconsistent") as a function of an increase in "mass" (object-consistent), simply due to the fact that two "object- "consistent" ("mass") "inconsistent" ("time") UCP's computations represent "complimentary" aspects of the same object's consistency, e.g., alike measuring the "complimentary" properties of a glass filled with a certain portion of water: if we increase that cup's ("half-full") water portion - we necessarily decrease its "half-empty" portion (and vice versa)! In the same manner, once we realize that the UCP's singular-integrated computation of any given "object-consistent"" "mass" necessarily decrease it's "object-inconsistent": "time" value – hence "G-d's Physics" New Twenty-first Century Paradigm's elegant explanation of Relativity's discovered "dilation of time" for "massive" objects; and likewise for

high-energy relativistic objects (which as shown above, is simply derived from the close "interrelationship" between an object's "frame-inconsistent" ("energy") UCP's computation and its integrated computation of that object's "object-consistent" ("mass") value!

In fact, we surprisingly find that this New "G-d's Physics" Paradigm likewise offers a new simple (and elegant) explanation that fully integrates Heisenberg's "Uncertainty-Principle's" "complimentary-pairs" "space" ("frame-consistent") and "energy" ("frameinconsistent"), or "mass" ("object-consistent") and "time" ("object-inconsistent") values – as constrained by Planck's constant! This is because, unlike the "Material-Causal" assumption underlying "Heisenberg's Principle's" Uncertainty Ouantum Mechanical explanation for the apparent "inter-dependency" between the subatomic measurement of any given "target" element - e.g., of its "time" and "mass" value, or between its "space" and "energy" values (as mutually constrained by Planck's constant, i.e., wherein any increase in the subatomic measurement accuracy level for any one of these "complimentary-pairs" would inevitably lead to a "proportionate" decrease in the subatomic accuracy level of the other pair's component); which explains this "Uncertain Principle's" mutualaccuracy level constraint - as "caused" by the direct physical interaction between the subatomic "probe" element's and its corresponding subatomic "target's" "complimentary-pairs property", so that an increase in "probe's" accuracy of one of these two complimentary-pairs property (e.g., such as an increased accuracy measurement of the probe's localization") – would inevitably "cause" a proportionate "decrease" in the corresponding target's complimentarypair's other property (e.g., the target's "energy" value); Unlike this "Material-Causal" QM's explanation of Heisenberg's "Uncertainty Principle", the New "G-d's Physics" "A-Causal Computation" Paradigm posits that these subatomic "complimentary-pairs" interdependency arises - not as "Caused" by any direct physical interactions between the subatomic "probe" and "target" elements, but rather stems from the singular-integrated computation of the "Universal Computational/Consciousness Principle" (UCP): Specifically, from the "complimentary-exhaustive" computation of the UCP's two (out of three) Computational-Dimensions' " (mentioned above and previously) "Frame" - "consistent" ("space") and "inconsistent" ("energy"), or "Object" - "consistent" ("mass") and "inconsistent" ("time") computational combinations! In other words, in the same manner that when we look at (or even measure) the physical properties of a "half-full", "half-empty" cup of water, we cannot measure at the same time both the 'half-full' and 'half-empty' physical properties of the cup – but rather we can only focus on one of these "complimentary" physical properties; in the same manner, when we "focus" in a photograph – either on a given "object", or on its "setting", but not on both simultaneously (and in

fact the greater the "focus" given to that given "object"the more "diffuse" is the perception of its surrounding "setting"!); Likewise, it is suggested that these UCP's two "exhaustive-computational pairs" of either the "Frame"-"consistent" object's ("space") "inconsistent" ("energy") computational measures, or of the (object's) "Object" - "consistent" ("mass") and "inconsistent" ("time") computational measures jointly and exhaustively define that object's given physical properties; e.g., so that when we increase our "focus" or "measurement accuracy" of a given subatomic "target's" - say "spatial" ("Frame-consistent") "space" localization measurement, we necessarily decrease that subatomic "target's" "energy" ("Frame-inconsistent") measurement accuracy! Simply because these two "consistent"/"inconsistent" computational measurements "exhaustively" define its "Object" Consistency (e.g., consistent/inconsistent) across a given series of UF's frames! (And likewise, the subatomic target's two "Object-consistent" "mass" and "Object-inconsistent" "time" computational measures exhaustively define it's "Object-Consistency" physical properties across a given series of UF's frames!)

Thus, the discovery of "G-d's Physics" New "Universal Computational Formula" brought about an entirely new conception and understanding of the complete unification and integration of the four basic physical properties of "space" ("Frame-consistent") and "energy" "mass" ("Frame-inconsistent"), or ("Object-"time" inconsistent") and ("Object-inconsistent") physical properties; not as existing "separately" or "independently" of each other, yet possessing certain physical "interrelationships"; But, rather as representing "secondary computational" features of the same integrated (singular higher-ordered) UCP simultaneously computes all of these four possible combinations pertaining to any given object's "Frame" "Object" (consistent/inconsistent) or (consistent/inconsistent) physical features! Indeed, this completely new way of looking at- and understandingthe nature of the physical universe as being continuously computed- "dissolved" re-computed- and evolved- by this singular higher-ordered UCP entirely alters our basic theoretical understanding of the origin- nature- and evolution- of the physical universe... The four basic physical properties of "space" and "energy", "mas" and "time" cease to exist as "independent" physical properties, but are rather seen as integrated "exhaustivecomplimentary" computations of the singular (higherordered) UCP simultaneous computation of every exhaustive spatial pixel in the entire universe (e.g., at the incredible rate of " $c^2/h$ " – 1.36<sup>-50</sup> sec'!) Moreover, this new "Universal Computational Formula" (UCF) also portrays the apparently "different" (and even "contradictory") properties of Relativity Theory (RT) and Quantum Mechanics (QM) as representing different aspects of the same integrated (simultaneous) computation of the singular higher-ordered UCP! As indicated above, this is clearly seen in the two

Computational Formats" of the same "Universal Computational Formula" (UCF) – in which certain (key) features of both RT - such as the " Energy-Mass Equivalence", and QM's Heisenberg's "Uncertainty Principle's" can be seen as "special" (limiting) cases within the UCF's Relativistic or Quantum Formats! Indeed, alongside the empirical validation of this New "G-d's Physics" 21st Century Paradigm – e.g., based on it's unique "Critical Predictions" pertaining to the "Non-Continuous Accelerated Expansion of the Universe" on the Jewish New-Year ("Rosh-Hashana") (due to "G-d's Physics" postulated "Collective Human Consciousness Focus Hypothesis), and its predicted greater number of "Fine-Temporal-Measurements" (FTM) of relatively "more massive" subatomic particles (such as the "Muon") in comparison to the corresponding number of FTM of a relatively "less massive" particle (such as the electron) which would establish this New "G-d's Physics" Paradigm as the New satisfactory 21st Century Paradigm; in parallel to the necessary empirical validation of this New "G-d's Physics" Paradigm - which was called for multiple times but unfortunately experimental physicists have failed to test this unique "Critical Predictions" - as "bold" Eddington did 101 years ago, which allowed for Relativity Theory to be "crowned" as the New Paradigm for 20<sup>th</sup> century Physics (alongside QM at the subatomic level); there would need to be further scientific exploration of this novel discovered "Universal Computational Formula" - in terms of its broader theoretical conceptualization within which RT's and QM's key "Energy-Mass Equivalence" and QM's Heisenberg's "Uncertainty Principle" exist as "special-cases" (e.g., as clearly envisioned by the great Einstein himself!)

### 4. "G-d's Physics" "Moral" Purposeful "Reverse-Time" Goal-Oriented Cosmos!

As "amazing" as this New "G-d's Physics" New 21st Century Physics Paradigm's discovery of the complete unification of the four basic physical features of "space" and "energy", "mass" and "time" (as "exhaustivecomplimentary" secondary computational features of the singular higher-ordered UCP!); the profound nature of the "Theoretical Assumptions" of this New "G-d's Paradigm completely alter our basic understanding of the "origin"- nature- sustenance-"dissolution"- and indeed ultimate "Goal" of the evolution- of the entire cosmos (e.g., at the "unfathomable" rate of " $c^2/h$ " =  $1.36^{-50}$  sec'!) This is because the entire new theoretical framework of this New "G-d's Physics" Paradigm talks about the existence of "Ten Laws of Hierarchical Manifestation" of which the UCP's simultaneous computation of these four basic physical features, e.g., through this newly discovered "Universal Computational Formula" (UCF) – represents only the "lowest" "Law of Manifestation", which is indeed "contingent" and entirely "dependent" upon the other nine higher "Laws of Manifestation"! Thus, for instance, the New "G-d's Physics" Paradigm postulates that the UCP's simultaneous computation of all

exhaustive spatial pixels' (in the universe) four basic physical features produces only the "present" Universal Frame (UF) - which is embedded- and indeed completely dependent- upon the UCP's possession of a higher-ordered ("Dynamic-Equilibrium") Principle" and the existence of a complete "Multi Spatial-Temporal Reservoir" containing all "past", "present" and "multiple (possible) "future/s" UF's frames! This is because according to the New "G-d's Physics" Paradigm, this singular higher-ordered UCP possesses certain intrinsic propensities such as for instance it's intrinsic "Dynamic-Equilibrium" Moral Principle stemming from several "Computational Invariance Principle", "Universal Consciousness Reality" and "Inseparability Principle" theoretical postulates: According to the "Computational Invariance Principle" only the "computationally-invariant" UCP, which exists both "during" each consecutive UF's frame's computation of all exhaustive spatial pixels (within each consecutive frame) as well as solely exists "in-between" any two consecutive UF's frames (e.g., without the existence of any physical universe)! Whereas the four basic physical features of the physical universe (described above: of "space" and "energy", "or "mass" and "time") exist only as "computationally-variant": "transient", "phenomenal" "manifestations" of this singular "Universal Consciousness Reality" (UCR or UCP) - because they only exist "during" each consecutive UF's frame/s (as solely computed by this singular higher-ordered UCP) but "dissolve" back into the singularity of the UCP (or UCR) "in-between" any two consecutive UF's frames (in which only this singular UCP exists)! Hence, the "Universal Consciousness Reality" (UCR) posits that there truly exists only one singular unitary "Universal Consciousness Reality" (UCR) which exists consistently and unitarily (without any intrinsic change!) both "during" it's computation of each exhaustive spatial pixel comprising the extremely rapid series of UF's frames, as well as solely exists "in-between" any two consecutive UF's frames, e.g., without the presence of any physical universe! Moreover, this singular unitary "Universal Consciousness Reality" (UCR) is also characterized by an "Inseparability Principle" and associated Moral "Dynamic-Equilibrium" Principle - essentially pointing at the exhaustive and singular composition of all exhaustive spatial pixels in the universe, as well as all Individual Human Consciousness (e.g., individual Human-Beings) as solely comprised from- and "inseparable" parts of this unitary "Universal Consciousness Reality" (UCR) - which manifests as this singular unitary UCR's intrinsic "Dynamic-Equilibrium" Moral Principle that strives to "balance" any "immoralchoice" taken by any Individual Human Consciousness (towards any other "Individual Human Consciousness")!

A "Trampoline-Metaphor" was utilized to demonstrate this intrinsic "Dynamic-Equilibrium" Moral Principle; imagine a "Trampoline-sheath" upon which a solid "metal-bar" is placed, e.g., "connecting" two specific points along this "Trampoline-sheath", and imagine that

one of these "trampoline-sheath-points' (representing one Individual Human Consciousness) "chooses to "inflict pain" upon another "trampoline-point" (also representing an Individual Human Consciousness) - which would be represented by one of these points (called the "inflictingpain" Individual Human Consciousness) "pushing" this "metal-bar" against the "other-point"?! Inevitably, this would lead to that "metal-bar" being pushed ("automatically") against the first "inflicting-pain" Individual Human Consciousness (right?); So, this simple "Trampoline-metaphor" is utilized to demonstrate the UCP's (or UCR's) intrinsic tendency to "balance" and "correct" any "moral-imbalance" created by one Individual Human Consciousness "choosing" to "inflictpain" upon another "Individual Human Consciousness" – which inevitably leads this singular higher-ordered UCP (or UCR) to produce an "equivalent-situation" in which the "inflicting-pain" Individual Human Consciousness would have to "experience" the same "type" and "degree" of "pain"/"suffering" that it chose to inflict upon the other Individual Human Consciousness, at a subsequent certain UF's frame/s! This implies that the "moral-choices" taken by each Individual Human Consciousness at any given point in time "triggers" the UCP's "correction" process to bring about an equivalent situation that would allow the "inflicting-pain" Individual Human Consciousness to experience that "immoral-act's pain" - and hence "correct" its own Consciousness accordingly, leading (hopefully) to it's own "moral- remorse" and "moral-decision" to not repeat such "immoral actions", e.g., which in the Jewish-Wisdom and Tradition is called "Teshuva"!

So, we find out that according to the New "G-d's Physics" Paradigm of 21<sup>st</sup> Century Physics, there exist "multiple possible future/s" (stored within the UCP's "Multi Spatial-Temporal Reservoir") - one of which would be "selected" by the UCP based on the "moral/immoral choice/s" of any given Individual Human Consciousness at any given point in time... It is obviously "inconceivable" to even try and imagine (or comprehend) the "infinite complexity" or "Intelligence" required by this singular higher-ordered UCP (or UCR) in order to computed for each consecutive UF's frame/s all of the necessary "moral-corrections" for each of the almost eight Billion Individual Human Consciousness living on our "Earth" Planet - representing one of multifarious possible "future/s" for each such Individual Human Consciousness! Nevertheless, this conception of the physical universe as representing only a "transient-phenomenal" manifestation of this singular higher-ordered UCP (or UCR) - driven by certain "Dynamic-Equilibrium" Moral Principle intrinsic definitely opens up a completely new and profound understanding of the nature, dynamics and even "ultimate Goal" of this singular Universal Consciousness Reality, i.e., of producing a "Morally-Perfected", "Spiritually-Oriented" Unitary "Geula" ("Redemption") State of the World and Universe! Indeed, one of the most profound new understandings and theoretical postulates

of this New "G-d's Physics" Paradigm of 21st Century Physics was termed: the "Reversed-Time Goal Hypothesis" which postulated that this singular unitary UCR computes the (almost) infinite series of UF's frames - including all "past", "present" and "future/s" UF's frames, from the standpoint of its "ultimate future" State of complete "Moral, Spiritual and even Physical Perfection", (e.g., called: "Geula" in Jewish Tradition) towards all "past", "present" and "future" UF's frames, i.e., so that all of this "infinite" progression of all "past", "present" and "future" UF's frames is directed towards reaching the pre-ordained Goal of the Perfected "Geula" State! Hence, for instance, following "G-d's Physics" principle negation- and rejection- of the Old "Material-Causal" 20<sup>th</sup> Century Paradigm's assumption whereby the physical universe was created by a "random" "Big-Bang" nuclear event and is gravitating towards an inevitable "dissolution" of all galaxies, suns, etc. (based on the "Second Law of Thermodynamics"), as well as of Darwin's "Natural Selection Principle" evolutionary theory - based on "G-d's Physics" New "A-Causal Computation" Paradigm indicating that there cannot exist any direct physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or other- UF's frames (thereby principally negating all such "Material-Causal" Models and assumptions etc.); Following this principle negation of the very possibility of the existence of any such "material-causal" physical interactions, the New "G-d's Physics" Paradigm posited that the singular UCR drives the evolution of all "inanimate", "animate": plants, animals and Human Beings - based on this "Reversed-Time Goal Hypothesis" aiming at the appearance of more conscious forms of Physical and Biological complexity - ultimately leading to the appearance of Human-Beings, and ultimately leading to their recognition and acceptance of this singular, higherordered Morally, Physically and Spiritually Perfected "Geula" State! In this "Geula" State of Science and Humanity, e.g., with the acceptance of this New "G-d's Physics" 21st Century Paradigm, there is a recognition of the singular and sole existence of the UCR, and its accompanying theoretical understandings of the "Dynamic-Equilibrium" Moral Principle and important role of Individual Human Consciousness (Human-Beings) "moral-choices" and advancement of the recognition and awareness of this Perfected "Geula State", previously described in length...

**Dedication:** This article is dedicated in memory of dear beloved Mrs. Diana Raz, who shed so much light and Goodness in the lives of so many couples but whose own life was stumped at such an early age leaving behind four innocent children, may her Memory Blessed and may her Soul ascend to Paradise (where she belongs)...

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