

A "Paradigmatic Shift" from the Old Relativistic & Quantum "Material-Causal" Paradigm to the New "G-d's Physics" 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 Physics finds itself in a state of a "Paradigmatic-Crisis" of the Old "Material-Causal" Paradigm associated with the apparent "theoretical inconsistency" between "General Relativity Theory" (GRT) and "Quantum Mechanics" and its inability to explain the accelerated expansion of the universe, e.g., assumed to be "caused" by "Dark-Matter" (DM) and "Dark-Energy" (DE) (accounting for 95% of the mass and energy in the universe but which cannot be detected experimentally?!). Instead, the New "G-d's Physics" Paradigm was shown capable of resolving this apparent GRT-QM inconsistency, discard DM/DE as "non-existent", identify- and empirically validate- two unique "G-D'S Physics" "Critical Predictions", i.e., regarding the "Non-Continuous Increase in the Universe's Accelerated Rate of Expansion" (NCIUARE) and "Greater Spatial-Consistency for more Massive Particles" (GSCMP); based on the "Cosmological-Astronomical Gap in the Universe's Rate of Expansion" and the "Proton-Radius Puzzle" findings! Several significant theoretical implications of this New "G-D'S Physics" Paradigm include: a) The discovery of a singular higher-ordered "Universal Computational Principle" (UCP) simultaneously computing every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{-50}$ (sec)", thereby creating an extremely rapid series of "Universal Frames" (UF's)! b) For the first time in Physics - a complete unification of the four basic physical features (of "space", "energy", "mass" and "time") within the UCP's singular "Universal Computational Formula"! c) A New "A-Causal Computation" "G-D'S Physics" Paradigm negating any (direct or indirect) "material-causal" physical relationships between any two (or more) exhaustive spatial pixels existing in any single- or multiple- UF's. d) Instead, pointing at the UCP's singular higher-ordered "Reversed-Time Geulah Goal" postulating that the UCP has "preplanned" the whole creation and evolution of the universe from "inanimate" matter through "animate": plants, animals and human-beings – to reach the ultimate "Perfected Geulah State" in which the UCP's singular reality characterized by "Oneness", "Morality" and "All-Goodness" will be realized by Science and Humanity!

1. Introduction:

Twenty-first century Physics has reached a state of a "Paradigmatic-Crisis" as clearly defined by Kuhn's (1962) broadly accepted analysis signified by a basic "theoretical-inconsistency" between the two "pillars" of the Old "Material-Causal" Paradigm, e.g., General Relativity Theory (RT) and Quantum Mechanics (QM); as well as its inability to account for the accelerated expansion of the physical universe – i.e., assumed to be accounted for by purely hypothetical "dark-matter" and "dark-energy" comprising up to 95% of all the mass and energy in the universe, but which could not be directly validated (despite two decades of intensive experimentations)?!

A New alternative "G-d's Physics" has been discovered which was shown capable of resolving the apparent RT-QM inconsistency based on the discovery of a singular higher-ordered

"Universal Computational/Consciousness Principle" (UCP) which simultaneously computes "Single Spatial Temporal" (SST) "relativistic-object" and "multi spatial-temporal" (MST) "quantum-wave" computations – as embedded within the UCP's "Exhaustive Spatial-Temporal Computation" (ESTC) of all exhaustive spatial pixels comprising each consecutive "Universal Frame/s" (UF) comprising the entire physical universe at every "minimal time-point", at the incredible rate of " $c^2/h = 1.36^{-50}$ sec"! Additionally, the New "G-D'S Physics" discovered three UCP's "Computational Dimensions" – two out of which, e.g., "Framework" (frame/object) and "Consistency" (consistent/inconsistent) produce the four basic physical features of "space" and "energy" (i.e., "Frame"- "consistent" or "inconsistent") and "mass" and "time" ("Object"- "consistent" and "inconsistent"), which are computed simultaneously (by the UCP) for every exhaustive spatial pixel in the universe (for every consecutive UF's

frame/s) – and were shown (e.g., for the first time in Physics) to be completely unified based on the discovery of a singular higher-ordered "Universal Computational Formula" (UCF), which as secondary computational features of this singular UCP! As known, Einstein's GRT was capable of unifying between "pairs" of "Energy-Mass" (Equivalence) and "space-time" (continuum), as well as postulated the "curvature of "space-time" by massive objects – but was not able to unify these four basic physical features as does this novel UCF:

$$\left. \begin{array}{c} \text{c} \\ \text{h} \end{array} \right\} \text{UF's } \{n \dots n \dots n\} [Px]_{(a \dots z)} = \frac{s}{t} * \frac{e}{m}$$

Figure 1: THE UNIVERSAL COMPUTATIONAL FORMULA (UCF)

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

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

such that:

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

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...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 "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:

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

such that:

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

where in 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):

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

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 exceed 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:

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

such that:

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

Where in 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 exceed a minimal increase based on a multiplication of the number of UF's frames by the speed of light.

wherein the singular higher-ordered UCP – represented by the Hebrew letter "Yud" ("י") simultaneously computes all exhaustive spatial pixels in the universe comprising each consecutive Universal Frame/s (UF's) which already exist in a "potential-from" within the UCP's "Supra Spatial-Temporal Reservoir" of all "past", "present" and multiple possible "future/s" UF's (represented by the Hebrew letters from "א through ט" to "ת" depending on the Moral Choice of each Individual Human Consciousness – as computing and integrating these four basic physical features of "space" and "energy", "mass" and "time", at the incredible rate of: "c²/h" = 1.36⁻⁵⁰ sec⁻¹!

2. Methods & Results

Following the success of this New "G-D'S Physics" Paradigm to resolve the apparent RT-QM inconsistency, and its ability to unify between these four basic physical features of the physical reality, the next necessary "stringent scientific criteria" for ac-

cepting this New "G-D'S Physics" Scientific Paradigm as "more valid" than the Old "Material-Causal" Paradigm (of GRT & QM) is the identification- and empirical validation- of at least one unique "Critical Prediction" of this New "G-D'S Physics" Paradigm as "more valid" than the corresponding predictions of RT and QM! In fact, two such (unique) "Critical-Predictions" of the New "G-D'S Physics" Paradigm have been identified and shall be shown to have received initial empirical validations (e.g., as "more valid" than the Old "Material-Causal" Paradigm's predictions) in this article:

a) "Greater Spatial-Consistency for more Massive Particles" (GSCMP):

Based on "G-D'S Physics" (novel) computational definition of the "mass" value of any given particle as the UCP's "Object-consistent" computation, "G-D'S Physics" predicts that relatively "more massive" particles (such as the Muon) would be measured as more "spatially-consistent", e.g., "smaller", than relatively "less-massive" particles such as the electron! This unique GSCMP "Critical Prediction" of "G-D'S Physics" Paradigm significantly differs from the corresponding prediction of QM which does not predict any such GSCMP occurrence.

In order to directly contrast between the New "G-d's Physics" 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:

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

Where in 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) :

b) Non-Continuous Increase in the Universe's Accelerated Rate of Expansion (NCIUARE):

The second unique "Critical Prediction" of "G-D's Physics" New Paradigm is regarding the "Non-Continuous Increase in the Universe's Accelerated Rate of Expansion" (NCIUARE) which is associated with an additional "G-D'S Physics" "Collective Human Consciousness Focus" (CHCF) theoretical postulate, hypothesizing that whenever there is a large group of human-beings focusing on this singular higher-ordered UCP (such as during the "Jewish Rosh-Hashana" [JRH] New Year two days' time interval), then this will result in the UCP's NCIURE! Accordingly, the "G-D'S Physics" NCIURE unique "Critical Prediction" predicts that there will be an NCIURE at specific CHCF time-intervals (e.g., such as during the JRH two days interval) – and more generally, that the universe's accelerated rate of expansion would increase over time (e.g., due to the CHCF-JRH cumulative increase in the universe's expansion rate)! In contrast, according to GRT's Einstein's Equations, the rate of the universe's expansion rate should remain "constant" over time, since the "Accelerating Factors" (AF) of the "Big-Bang" (BB), "Cosmological Constant" (CC) and "Dark-Matter" or "Dark-Energy" are all assumed to comprise "constant factors"! Therefore, according to GRT the universe's accelerated expansion rate should remain "constant" – rather than increase over time, as predicted by the New "G-D'S Physics" Paradigm!

Significantly, empirical results precisely validated both of these "G-D'S Physics" unique "Critical Predictions":

A. Empirical Validation of "G-D'S Physics" NCIUARE "Critical Prediction":

Increasing evidence exists for "G-D'S Physics" NCIUARE, indicated by an (unexplained) "Cosmological-Astronomical Gap" (CAG) between the early universe's measured "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)?! This "Cosmological-Astronomical Accelerated Expansion Gap" (CAAEG) cannot be accounted for by the Old "Material-Causal" Paradigm's assumption of the existence of (purely hypothetical) "dark-matter" and "dark-energy" concepts as "causing" the accelerated rate of the universe's expansion; because even if such (purely hypothetical) "dark-matter"/"dark-energy" concepts existed (e.g., which failed to be detected after two decades of experimentation), as stated above, such purely hypothetical "Dark-Mater" or "Dark-Energy" concepts could only account for a "constant" rate of the universe's expansion rate – but not for the empirically observed CAAEG, which directly precisely supports and validates "G-D'S Physics" unique NCIUARE "Critical Prediction", but not GRT's predicted "constant-rate" (accelerated) rate of the universe's expansion! This is because according to the NCIUARE "Critical Prediction" the universe's accelerated expansion should increase cumulatively over time (due to the succession of CHCF-JRH time-intervals)!

B. Empirical Validation of "G-D'S Physics" GSCMP "Critical Prediction":

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 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!

Note worthy is the fact that this unique "Critical Prediction" of the New "G-d's Physics" Paradigm regarding the more "spatially-consistent" measurements of the relatively more massive "Muon-Hydrogen" as opposed to the relatively less-massive "electron-Hydrogen" – could not be accounted for by the Old "Material-Causal" Paradigm of RT & QM (e.g., despite various attempts to explain this "Proton-Radius Puzzle" findings: the "three-body force" (Karr & Hilico, 2012), interactions between gravity and the weak force, or a flavour-dependent interaction, (Onofrio, 2013; Zyga, 2013), higher dimension gravity, (Dahia, & Lemos, 2016), a new boson, (McKeen & Miller, 2016) and the quasi-free hypothesis π^+ (Lestone, 2017); and therefore constitutes a direct empirical validation of this New "G-d's Physics" (CUFT) Paradigm!

Hence, we find that two of the "G-D'S Physics" HYSICS's unique "Critical Predictions", e.g., regarding the NCIUARE's increased universe's accelerated rate of expansion (over time), and the GSCMP's prediction that the relatively "more-massive" Muon affected Hydrogen Proton radius particle should be measured as more "spatially-consistent" ("e.g., "smaller") than the "less-massive" electron affected Hydrogen Proton radius – provide robust empirical validation for the New "G-D'S Physics" Paradigm as "more valid" than the Old "Material-Causal" Paradigm of RT & QM!

3. Discussion:

The acceptance of the "G-D'S Physics" Paradigm as the satisfactory New Paradigm of Twenty-First Century Theoretical Physics has several significant theoretical implications:

a) "G-D'S Physics" New "A-Causal Computation" Paradigm: Since the New "G-D'S Physics" Paradigm postulates that the UCP simultaneously computes all exhaustive spatial pixels comprising the entire physical universe (for each consecutive UF's frame/s), therefore there cannot exist any (direct or indirect) "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels existing in any single- or multiple- UF's frames (e.g., especially "across" any two consecutive UF's since the whole universe "dissolves" back into the singularity of this UCP "in-between" any two UF's frames!).

b) "G-D'S Physics" UCF's Complete Unification of the Four Basic Physical Features!: As mentioned above, the UCP's singular UCF indicates in what manner does the UCP simultaneously compute those four basic physical features (e.g., of "space", "energy", "mass" and "time") for every exhaustive spatial pixel in the universe (at each consecutive UF's frame/s) as integrated "secondary computational features" of the UCP's "Frame" – "consistent" ("space") or "inconsistent" ("energy"), or "Object" – "consistent" ("mass") or "inconsistent" ("time") computations; Thereby, the New "G-D'S Physics" UCF integrates – for the first time in Physics between these four basic physical features!

c) The "Computational Invariance Principle" & "Universal Consciousness Reality" Postulates: Two closely related and truly profound theoretical postulates of the New "G-D'S Physics" are termed: the "Computational Invariance Principle" & "Universal", which asserts that since only this singular higher-ordered UCP remains "constant", "continuous" and "uniform" – both "during" each consecutive UF's frame/s (e.g., solely computing the four basic physical features for all exhaustive spatial pixels simultaneously); whereas those four physical features (for every exhaustive spatial pixel in the universe) only exist "during" each consecutive UF's frame/s, but "dissolve" back into the singularity of the UCP "in-between" any two consecutive UF's frame/s; therefore only this singular higher-ordered UCP may be regarded as "computationally-invariant", whereas the entire physical universe (e.g., and all of its exhaustive spatial pixels' four basic physical features) may only be seen as a "transient-phenomenal manifestation/s" of this sole "Universal Computational/Consciousness Reality" (UCR)!

d) A "Morally-Perfected Geulah Goal" Directed Universe! Based upon the abovementioned New "G-D'S Physics" "A-Causal Computation" Paradigm negating the possibility of any (direct or indirect) "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels existing in any single- or multiple- UF's frame/s, and the complete "dissolution" of the entire physical universe "in-between" any two consecutive UF's frames into the UCP's singularity the New "G-D'S Physics" Paradigm postulates that the evolution of the entire physical universe must be accounted for based on this singular UCR's "Reversed-Time Geulah Goal" Postulate, suggesting that just as King (Solomon) had to possess a completed "Blue-print" Architectural Plan before he sent his builders to begin constructing his

Immaculate Temple: so did the UCR plan the entire evolution of the physical universe – from its "end-Geulah Perfected (e.g., Moral, Spiritual & Physical) State" "backwards" towards its "evolution of Consciousness" from "inanimate": matter through "animate": plants, animals and human-beings – ultimately reaching the "Perfected Geulah State" of Humanity (Science) and the World, in which the "Oneness", "Morality", and "All-Goodness" of this singular UCR will be recognized (and lived by) by the whole of Humanity and the World!

An additional key theoretical postulate of "G-D'S Physics" New Scientific Paradigm leading up to this "Perfected Geulah State" is the discovery of the UCP's "Dynamic-Equilibrium Moral Principle" which determines for every individual human-being one of "multiple possible future/s" based on the Moral Choice (e.g., "positive" or "negative") that each human-being makes at every point in time: According to this "Dynamic-Equilibrium Moral Principle", the UCP's basic intrinsic "Oneness", "Peace" and "Morality" selects for each individual human-being one of "multiple possible futures" (e.g., stored in the UCP's "Multi Spatial-Temporal Reservoir" of all past, present and "multiple possible future/s") in order to "correct" or "enhance" any "Immoral"/"moral" choice made by each individual – in order to "teach" Humanity (and every individual human-being within it) about our "inseparability" from this singular higher-ordered UCP's innate characteristics of "Oneness", "Morality" and "All-Goodness"!

Hence, Science and Humanity is currently standing at a "historic-turning point" in which the Old "Material-Causal" Paradigm (of GRT & QM) is being integrated as a "special case" within the New (empirically validated) "G-D'S Physics" "A-Causal Computation" Paradigm (e.g., as represented by the UCF's two corresponding Relativistic & Quantum Formats, above); In which the Old "material-causal" assumption underlying the "Big-Bang" Model & more generally GRT's "Einstein's Equations" has to be negated (e.g., due to the simultaneity of the UCP's computation of every exhaustive spatial pixel in the universe); and which leads Science (and Humanity) towards the realization that we are currently entering "G-D'S Physics" postulated "Perfected Geulah Goal State" of the universe (Science and Humanity) in which the singularity of this UCP will be recognized, alongside a recognition of its intrinsic fundamental characteristics of "Oneness", "Morality", "Peace and Harmony" and "All-Goodness", which completely alter Twenty-first century's New "G-D'S Physics" "A-Causal Computation" Paradigm's basic understanding of the universe and of Humanity's significant role within it (in bringing about such a "Perfected Geulah State" of Humanity and the World)! Needless to say, that this New "G-D'S Physics" Scientific Paradigm recognition that the whole "origination"- "sustenance"- and "evolution" of the entire physical universe is solely based on the singular reality of the UCP, and its innate "drive" to bring Humanity and the universe towards that ultimate "Perfected Geulah State" (e.g., "Morally", "Spiritually" and even "Physically"); A "Perfected Geulah State" in which the sole reality of this UCP is recognized by Science (alongside its intrinsic characteristics of "Morality", "Oneness", "Peace", "Harmony" and "All-Goodness") – which is precisely the new realization of the (empirically validated) New "G-D'S Physics" Scientific Paradigm, signifying a great new "hope" for

Science and Humanity (more generally), e.g., especially during these "troubling times"...

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