

"G-d's Physics" Resolves the "Universe's Accelerated Rate of Expansion (UARE) Enigma"

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

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Abstract

Twenty-first century Theoretical Physics is undergoing a "Paradigmatic-Shift" from the Old "Material-Causal" Paradigm of Twentieth century's 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 to the New "A-Causal Computation" "G-d's Physics" Paradigm stems from the Old "Material-Causal" Paradigm's "Paradigmatic-Crisis" as indicated by the apparent "theoretical-inconsistency" between RT & QM and its inability to account for the accelerated rate of the universe's expansion rate – e.g., assumed to be caused by purely hypothetical "dark-matter" and "dark-energy" concepts comprising up to 95% of all of the mass and energy in the universe but which could not be detected even after two decades of experimentation?! In contrast, the New "G-d's Physics" "A-Causal Computation" Paradigm discovers the existence of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe at the incredible rate of " $c^2/h = 1.36^{50}$ (sec!)" thereby producing an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every minimal time-point! This New "G-d's Physics" "A-Causal Computation" negates the possibility of any (direct or indirect) "material-causal" physical interactions between any two (or more) exhaustive spatial pixels existing in any single or multiple UF's frames, thereby also negating the Old "Material-Causal" Model's assumption regarding "dark-matter/energy" "causing" the accelerated expansion of the universe; Instead, the New "G-d's Physics" "A-Causal Computation" Paradigm explains this accelerated - universe's expansion as derived from this singular UCP's addition of an accelerated number of exhaustive spatial pixels to each consecutive UF's frame/s – with a unique "Critical Prediction" regarding the "Universe's Non-Continuous Accelerated Rate of Expansion at the Jewish 'Rosh-Hashana'" (UNCARE-JRH) two day's special time-interval associated with "G-d's Physics" postulated "Collective Human Consciousness Focus"; Based on an initial empirical validation of another "Critical-Prediction" of "G-d's Physics" New Paradigm associated with the "Proton-Radius Puzzle" findings it is accepted as the new satisfactory Paradigm for 21st century Theoretical Physics.

1.Introduction:

One of the greatest unresolved enigmas of Twenty-first century Theoretical Physics is the accelerated rate of the universe's expansion: This is due to the fact that in order to explain this empirically observed accelerated rate of the universe's expansion rate, the Old (20th century) "Material-Causal" Paradigm underlying both Relativity Theory (RT) and Quantum Mechanics (QM) has to assume the existence of an additional 95% more "mass" and "energy" than the known mass and energy that exists in the universe!?! But, despite two full decades of intensive scientific experimentation in order to directly detect these (purely hypothetical) "dark-matter" and "dark-energy" concepts, they could not be found!?! This principle inability of the Old "Material-Causal" Paradigm of RT & QM, alongside the existence of a basic "theoretical-inconsistency" between these two RT & QM "pillars" of the Old Paradigm – signify a "Paradigmatic-Crisis" which therefore calls for a "Paradigmatic-Shift" towards a New

"Computational Unified Field Theory" (CUFT) lately termed: "G-d's Physics" Paradigm, which has been shown capable of resolving the apparent "theoretical-inconsistency" between RT & QM, and which offers an alternative theoretical explanation for the accelerated rate of the universe's expansion rate (that discards those purely hypothetical "dark-matter" and "dark-energy" concepts as "superfluous", i.e., non-existent!)

Conceptually, this new "G-d's Physics" Paradigm resolves the apparent "theoretical-inconsistency" between RT & QM through its discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which simultaneously computes all exhaustive spatial pixels in the universe at the incredible rate of " $c^2/h = 1.36^{50}$ sec!" thereby producing an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every such minimal time-point (e.g., with the entire universe "dissolving" back into the singu-

larity of this UCP "in-between" any to consecutive UF's frames!) Therefore, this New "G-d's Physics" Paradigm is typified as an "A-Causal Computation" Paradigm, i.e., because it negates the existence of any "material-causal" physical interaction between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frames (since the whole universe "dissolves" "in-between" any two consecutive UF's frames thereby negating the possibility of any "transference" of any physical effect, entity or "force" across frames!) Hence, the New "G-d's Physics" "A-Causal Computation" Paradigm was shown to negate some of the basic "material-causal" assumptions of the Old Relativistic and Quantum Paradigm, including: the "Big-Bang" Model, Einstein's Equations' "material-causal" assumption wherein it is the presence of certain "massive-objects" which "causes" the "curvature" of "Space-Time", which in turn "cause" the "travelling-pathways" of these "massive" and other "less-massive" objects; As well as negate QM "material-causal" assumption regarding the "collapse" of the subatomic "target's probability wave-function" as "caused" by its direct physical interaction with a corresponding subatomic "probe" element!

"G-d's Physics" alternative novel theoretical explanation for the universe's empirically observed accelerated rate of expansion stems from its new computational definitions of the four basic physical features of "space", "energy", "mass" and "time" as computed simultaneously by the singular UCP for every exhaustive spatial pixel in the universe (for each consecutive UF's frame/s based on a newly discovered "Universal Computational Formula" (UCF):

THE "UNIVERSAL COMPUTATIONAL FORMULA" (UCF):

$$\left. \begin{array}{c} c^2 \\ - \\ h \end{array} \right\} \text{UF's } \{1 \dots n \dots \infty\} [Px]_{(a \dots z)} = \frac{s * e}{t * m}$$

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 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:

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

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 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:

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

such that:

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

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

Moreover, "G-d's Physics" New "A-Causal Computation" Paradigm alternative explanation for the accelerated rate of the universe's expansion rate postulates that it is the UCP's addition of an accelerated number of exhaustive spatial pixels to each consecutive UF's frame/s which produces the accelerated rate of the universe's expansion! Finally, one of the unique "Critical Predictions" of this New "G-d's Physics" Paradigm, e.g., differentiating it from the Old "Material-Causal" Paradigm of RT & QM is its prediction of the "Universe's Non-Continuous Accelerated Rate of Expansion – at the Jewish "Rosh-Hashana" (NCARE-JRH) new year two days' time interval (e.g., due to a "Collective Human Consciousness Focus" taking place during these two days interval).

2. Methods & Results:

In order to test and empirically validate this New "G-d's Physics" alternative novel explanation for the accelerated rate of the universe's expansion it is necessary to utilize a dual-stage verification process: a) negate the Old "Material-Causal" Paradigm's theoretical account of the universe's accelerated rate of expansion based on the purely hypothetical "dark-matter" and "dark-energy" postulates – due to observed "Cosmological-Astronomical Accelerated Expansion Gap" (CAAEG), ; b) empirical validation of "G-d's Physics" unique "Critical-Prediction" based on the "Proton-Radius Puzzle" findings; c) directly test for "G-d's Physics" "Universe's Non-Continuous Accelerated Rate of Expansion" – during the Jewish "Rosh-Hashana" two days' time-interval!

A. Empirical validation of "G-d's Physics" unique "Proton-Radius Puzzle" findings: as published previously, one of the unique "Critical-Predictions" of the New "G-d's Physics" Paradigm was validated by the (unexplained) "Proton-Radius Puzzle" findings associated with "G-d's Physics" new UCP computational definitions of a relatively "more massive" Muon particle as more "spatially-consistent" than a relatively "less-massive" electron particle which affect the measured radius of the Hydrogen proton! This direct verification of "G-d's Physics" "Critical Prediction" associated with the "Proton-Radius Puzzle" findings unequivocally validates "G-d's Physics" "A-Causal Computation" Paradigm – i.e., which negates the possibility of any direct (or indirect) "material-causal" physical interactions between any two or more exhaustive spatial pixels existing either in the same- or different- UF's frames!

B. Negating "dark-matter"/"dark-energy" purely hypothetical concepts due to the unexplained "Universe's Astro-

nomical-Cosmological Accelerated Rate of Expansion Gap": Empirically, a basic (unexplained) "gap" exists 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)?! This "Cosmological-Astronomical Accelerated Expansion Gap" (CAAEG) negates 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), according to the New "G-d's Physics" "A-Causal Computation" Paradigm they could not interact (directly or indirectly) with any constituting element of the universe "causing" it to accelerate the rate of the universe's expansion! Therefore, they could not result in the observed CAAEG "Universe's Non-Continuous Accelerated Rate of Expansion" (UNCARE)!

C. Directly empirical validation of "G-d's Physics" "Universe's Non-Continuous Accelerated Rate of Expansion-at the Jewish "Rosh-Hashana" " (UNCARE-JRH) two days' time-interval!: Based on the above indices of the CAAEG gap between Cosmological and Astronomical measured of the "Universe's Non-Continuous Accelerated Rate of Expansion" (UNCARE) and the initial empirical verification of "G-d's Physics" "Proton-Radius Puzzle" findings' "Critical-Prediction" indicating the validation of "G-d's Physics" New "A-Causal Computation" Paradigm; it is established that "G-d's Physics" "Critical-Prediction" of the "Universe's Non-Continuous Accelerated Rate of Expansion" (UNCARE) empirically observed CAAEG is valid! Consequently, the more specific empirical testing of "G-d's Physics" UNCARE-JRH "Critical Prediction" was called for (e.g., which should have been tested during the recent JRH's Sep. 7-8th, 2021 – such direct empirical validation findings is still called for!)

Hence, the current article directly validates "G-d's Physics" UNCARE "Critical Prediction", in addition to the previously validated "Proton-Radius Puzzle" findings "Critical-Prediction", which already validated the New "G-d's Physics" Paradigm as the satisfactory New "A-Causal Computation" Paradigm for 21st century Theoretical Physics; thereby explaining the "Universe's Accelerated Rate of Expansion" (UARE)!

3. Discussion:

Thus, the hitherto Old (RT & QM) "Material-Causal" Paradigm's unexplained "Universe's Accelerated Rate of Expansion" (UARE), and its associated (purely hypothetical) "dark-matter" and "dark-energy" concepts – which failed to be detected empirically (despite two decades of experimentation) is satisfactorily explained by the New "G-d's Physics" "A-Causal Computation" Paradigm based on its (unique) "Critical-Prediction" regarding

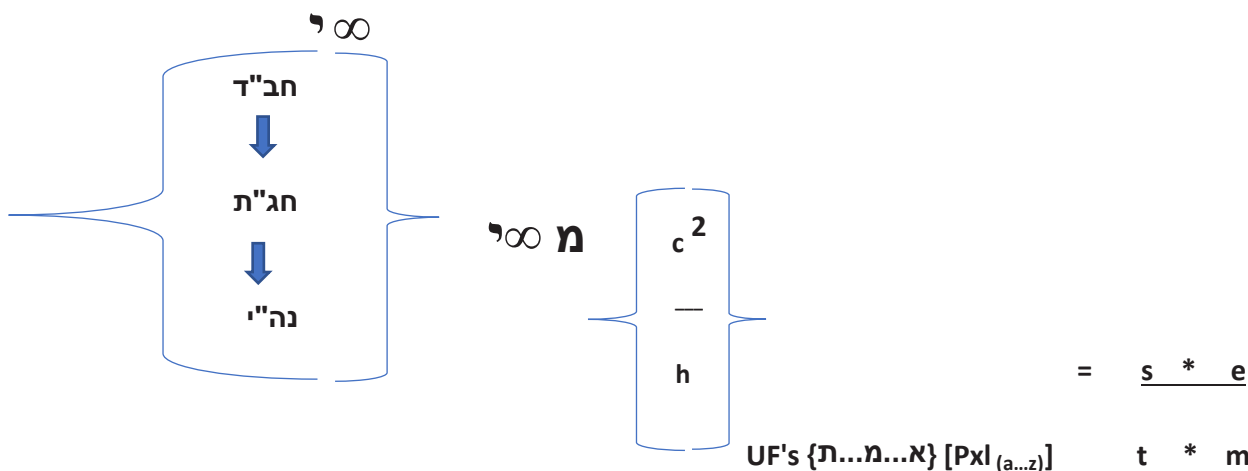
the UNCARE-JRH! Thus far, two of "G-d's Physics" unique "Critical-Predictions" have been verified empirically: i.e., a) associated with the "Proton-Radius Puzzle" findings; b) relating to the "Universe's Non-Continuous Accelerated Rate of Expansion" (UNCARE), with a complete verification of "G-d's Physics" UNCARE-JRH "Critical Prediction" still waiting for Astronomical validation (called for previously).

Conceptually, the empirical validation of "G-d's Physics" "A-Causal Computation" Paradigm negates the Old "Material-Causal" Paradigm's "Big-Bang" Model, RT's Einstein's Equations" material-causal" assumption, and (purely hypothetical) "dark-matter" and "dark-energy" concepts – which assume that the universe was created by an initial nuclear event, and is being accelerated in its rate of expansion by these (purely hypothetical) "dark-matter" and "dark-energy" concepts! Instead, the New "G-d's Physics" "A-Causal Computation" Paradigm points at the existence of the singular higher-ordered UCP which adds an accelerated number of exhaustive spatial pixels to each consecutive UF's frame/s, thereby producing the universe's empirically observed accelerated rate of expansion; Specifically, "G-d's Physics" (unique) UNCARE-JRH "Critical-Prediction" postulates that there exist an "Universe's Non-Continuous Accelerated Rate of Expansion" (UNCARE) – at the special (two days) "Rosh-Hashana" (Jewish new year) time interval due to the "Collective Human Consciousness Focus" taking place during this spe-

cial time-interval which brings about such UNCARE-JRH; an initial empirical validation of this unique "G-d's Physics" UNCARE "Critical Prediction" was supplied by the empirically observed (unexplained) "Cosmological-Astronomical Accelerated Expansion Gap" (CAAEG) – with additional specific validation of this UNCARE-JRH warranted based on the previously called for empirical validation of the UNCARE during the recent JRH at the 7-8th of September (2021).

Indeed, "G-d's Physics" discovery of the UCP's "UCF" which completely unifies – not only between RT & QM, but also between the four basic physical features of "space", "energy", "mass" and "time" (for the first time in Physics!) as well as between the Four Forces; also highlights the centrality of "Human Consciousness", "Collective Human Consciousness Focus" and the UCP's "Dynamic Equilibrium Moral Principle"- as selecting one of "multiple possible future/s" based on the moral choice/s of each individual human-being at each point in time!; Finally, the recent discovery of "G-d's Physics" "Ten-Hierarchical Computational Dimensions UCF" points at the UCP's continuous computation- dissolution- and evolution of every exhaustive spatial pixel in the universe towards its "Ultimate Perfected Geulah Goal" state, in which the "Oneness", "Morality" and "All-Goodness" underlying singular "Universal Consciousness Reality" would be recognized by Humanity (and Science)!

THE TEN HIERARCHICAL DIMENSIONS' UNIVERSAL COMPUTATIONAL FORMULA



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