

Open Access Journal of Physics and Science

"G-D's Physics" UNCIARE-JRH MAI's Predicted Increased Four Basic Physical Features Values – Defies GRT's "Energy-Mass Equivalence"!

Jehonathan Bentovish

Dr. Bentovish is now calling all Astronomers, Cosmologists & Experimental Physicists to join the in the world to collaborate with him to further validate the New & Physics, Scientific Paradigm. Israel.

Corresponding authors

Dr. Bentovish is now calling all Astronomers, Cosmologists & Experimental Physicists to join the in the world to collaborate with him to further validate the New & Physics, Scientific Paradigm. Israel.

Received: July 10, 2025; **Accepted:** November 28, 2025; **Published:** December 12, 2025

Abstract

Twenty-First Century Theoretical Physics is undergoing a major "Paradigmatic-Shift" from the Old "Material-Causal Random" (MCR) Paradigm underlying (Twentieth Century's) General Relativity Theory (GRT) and Quantum Mechanics (QM) to the New Twenty-First Century's "G-D's Physics" Scientific Paradigm, based on direct empirical validations of two (unique) "G-D's Physics" "Critical Predictions" – as more valid than the corresponding predictions of the Old MCR's GRT & QM! Based on "G-D's Physics" previous (unique) "Critical Prediction" regarding a "Universe's Non-Continuous Increase in its Accelerated Rate of Expansion" at the "Jewish Rosh-Hashanah" (UNCIARE-JRH) (precise) "Minute Annual Increase" (MAI) of $0.000968 \text{ km s}^{-1} \text{ Mpc}$ in the rate of the universe's expansion!; the current article predicts a (new) "UNCIARE-JRH's MAI's Increased Four Physical Features Values" – which is shown to "defy" GRT's basic "Energy-Mass Equivalence"! Consequently, a "New UNCIARE-JRH's MAI Universal Computational Formula" is being presented, which not only completely unifies (for the first time in Physics!) the Four (basic) Physical Features, but also points at the sole dependency of the entire physical universe – upon the continuous "origination", "sustenance" and "development" of every exhaustive spatial pixel's (four physical features) by that singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) (which develops the universe, Science and Humanity towards an "Ultimate Perfected Geulah Goal State" of Science and Humanity!) A call is made to all Astronomers, Cosmologists and Experimental Physicists to directly communicate with Dr. Bentovish to further validate "G-D's Physics" (unique) "Critical Predictions".

Introduction

Twenty-first Century's Theoretical Physics is undergoing a major "Paradigmatic-Shift" from the Old "Material-Causal Random" (MCR) Paradigm underlying Twentieth Century's General Relativity Theory (GRT) and Quantum Mechanics (QM) to the New "G-D's Physics" "A-Causal Computation" Scientific Paradigm! According to Thomas Kuhn's (famous) analysis of the "Structure of Scientific Revolutions" (1962) which has been well-accepted by the Scientific Community, such a Paradigmatic Shift follows the existence of a "Paradigmatic-Crisis" of the Old "Standard Paradigm" (e.g., such as the Nineteenth Century's "Classical Mechanics"), which is replaced by such "NSP" –

based on its Following Kuhn's "Stringent Scientific Criteria" for the acceptance of any "New Scientific Paradigm" (NSP) [1]:

- Proven capacity to resolve any (major) "theoretical-inconsistency" found in the Old Standard Paradigm: such as the current (urgent) need to resolve the basic "theoretical-inconsistency" between GRT's "Speed of Light Barrier" (SLB) and Quantum Mechanics' (QM) ("instantaneous") "Quantum-Entanglement".
- Proven capacity of the "New Scientific Paradigm" (NSP) to offer an (alternative satisfactory) theoretical explanation for certain (otherwise) "unexplained" major empirical phenomena: such as the "Hubble's Tension", "Dark-Matter"

Citation: Jehonathan Bentovish. "G-D's Physics" UNCIARE-JRH MAI's Predicted Increased Four Basic Physical Features Values – Defies GRT's "Energy-Mass Equivalence"! Open Access J Phys Sci. 2025. 2(4): 1-18. DOI: doi.org/10.61440/OAJPS.2025.v2.24

and "Gravitational Enigma"! Indeed (as shown below) "G-D's Physics" New Twenty-First Century's Physics Paradigm offers such a novel (satisfactory) theoretical explanation for each of these "perplexing phenomena"!

- C. Identification of at least one (unique) "Critical Prediction" differentiating the "New Scientific Paradigm" (NSP) from the corresponding predictions of the Old Standard Paradigm – that if empirically validated must lead to the unequivocal acceptance of the NSP (as more valid than the OSP)! In the case of the New (Twenty-First Century's) Scientific Paradigm of "G-D's Physics" at least two such (unique) "Critical Predictions" are identified- and empirically validated- in the current article, thereby leading to the (unequivocal acceptance) of "G-D's Physics" as the New (valid and satisfactory) Scientific Paradigm for Twenty-First Century's Physics!
- D. * NSP's Discovery of a "broader-horizon" (e.g., empirically & theoretically): even though these latter two (e.g., "D" & "E") criteria and not strictly needed for Science to "accept" (and "embrace") the NSP, still the NSP's discovery of a "broader horizon" (e.g., empirically & theoretically) gives significant "credence" to this NSP – encouraging the Scientific Community to "embrace" and ("enthusiastically") engage in this NSP, i.e., as possessing a greater appeal and potency than the Old Standard Paradigm! In the case of "G-D's Physics", its discovery of the UNCIARE-JRH's "Annual Minimal Increase" (MAI's) of the universe's Accelerated values of the Four (basic) Physical Features, e.g., "space", "time", "energy" and "mass" – which are not predicted by the Old "Material-Causal Random" (MCR) Paradigm of GRT & QM most definitely calls for the whole Physics Scientific Community to (intensively) validate these "amazing new phenomena" underlying the whole empirical dynMAI's of the entire physical universe and our most basic understanding of its origination, sustenance, and development of the whole cosmos!
- E. * "Theoretical-Validation": Generalization & Unification ("Unitary-Invariance")
- Another key characteristic of Science's quest for "Truth" – is its seeking to discover the "true underlying reality" (e.g., origination, dynMAI's and even "purpose"!) of the entire physical universe! This relates to Science's quest to discover (and validate) the "true underlying reality" behind the entire physical universe – i.e., whose key characteristic is its "invariant" (nature)! Science is attempting to discover the "unitary-invariance" basis behind all physical phenomena comprising the entire physical universe [2-6]

Hence, we've seen that the evolution of Science involves an increasingly growing series of apparently "different" (e.g., "variant") phenomena (and laws) – that are being unified based on the discovery of a deeper underlying "invariant-unifying" "principle" or "reality": for instance, Einstein's (seminal) General Relativity Theory (GRT) succeeded unifying between "Space" and "Time" as a Four Dimensional "Space-Time" Continuum, as well as between "Energy" and "Mass" based on Einstein's famous discovery of GRT's "Energy-Mass Equivalence"! In fact, Einstein's "historic-quest" precisely aimed as such a (most generalized) "Unifying Field Theory" that could completely unify between those two "unified pairs": e.g., "Space-Time" & "Energy-Mass" (as well as resolve the basic "theoretical-

inconsistency" between GRT-QM, and unify the three Forces (Electromagnetic, Weak and Strong nuclear Forces and the Gravity)!

Fortunately (e.g., or rather through "Personal Providence"!), "G-D's Physics" New (empirically validated) Twenty-First Century's Physics Paradigm is shown capable of completely unifying (for the first time in Physics!) the Four basic Physical Features of "space", "time", "energy" and "mass" – within a singular (higher-ordered) "Universal Computational Formula" (UCF), as well as between the "Four Forces"! In fact (as will be shown below) "G-D's Physics" is shown capable of explaining (e.g., replicating and even predicting further yet "undiscovered") all "elementary particles" based on its discovery of a (novel) "Computational Table" that can be derived from the precise relationships between the UCP's computed values of these Four (basic) Physical Features (e.g., of "space", "time", "energy" and "mass" – see below) [7-9].

Intriguingly, one of the most profound (novel) Theoretical Postulates of "G-D's Physics" New Physics Paradigm is called: the "Computational Invariance Principle", which reasons that since there exists a singular higher-ordered "Universal Computational Principle" (e.g., discovered through this New "G-D's Physics" Physics Paradigm) that simultaneously computes all exhaustive spatial pixels in the universe (e.g., including their four corresponding Physical Features' values of "space", "time", "energy" and "mass") at an "unfathomable" rate of " $c^2/h = 1.36 \cdot 10^{17} \text{ sec}^{-1}$ "! producing an extremely rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every such "minimal time-point"! And since all of these exhaustive spatial pixels "dissolving" back into the singularity of this (singular higher-ordered) "UCP"; therefore only this singular (higher-ordered) UCP may be regarded as "computationally-invariant" – i.e., existing "constantly, uniformly and consistently" both "during" its computation of all exhaustive spatial pixels' (four Physical Features), as well as "in-between" any two such consecutive UF's frames (in which all of the universe's exhaustive spatial pixels "cease to exist" and "dissolve" back into the singularity of this UCP!?) Whereas those Four (basic) Physical Features (of all exhaustive spatial pixels comprising the entire physical universe!) – may only be regarded as "computationally-variant", i.e., existing only "temporally" and "phenomenally" as being computed (solely) by this singular (higher-ordered) UCP "during" each consecutive UF's frame/s, but "ceasing to exist" and "dissolving back" into the singularity of this UCP! Indeed, this (extremely) profound "Computational-Invariance Principle" leads to its associated (also extremely profound) "Universal Consciousness Reality", e.g., essentially stating that since only this singular (higher-ordered) "Universal Consciousness Reality" (UCR) may be regarded as "computationally-invariant" (existing "constantly, uniformly and consistently" both "during" the UCP's computation of every consecutive UF's frame/s, as well as existing "solely" without the presence of any physical universe "in-between" any two consecutive UF's frame/s!); whereas the entire physical universe (e.g., and all of its comprising exhaustive spatial pixels' corresponding four Physical Features) may only be regarded as being "computationally-variant": existing only "transiently" and "phenomenally" "during" the UCP's computation of every consecutive UF's frame/s, but "ceasing to exist" and "dissolving

back" into the singularity of this UCP "in-between" any two such consecutive UF's frame/s; Therefore, there truly exist only one singular "Universal Consciousness Reality" (UCR) – which exists ("uniformly", "consistently" and "constantly"), both when this (singular) UCP computes every consecutive UF's frame/s (exhaustive spatial pixel's four Physical Features), thereby manifesting as the entire Physical Universe! As well as, "solely exists" (e.g., without the presence of any physical universe) "in-between" any two (such) consecutive UF's frame/s [10].

In other words, "G-D's Physics" New Twenty-First Century's Physics Paradigm's (newly discovered) "Computational Invariance Principle" and associated "Universal Consciousness Reality" completely alter our basic understanding of the "true reality" underlying the entire physical universe! According to these (extremely profound "G-D's Physics") "Theoretical Postulates", the entire physical universe is seen (for the first time in Science!) as only representing a "transient-phenomenal manifestation" of this singular (higher-ordered) "Universal Consciousness Reality" (UCR) which exists only "transiently" and "phenomenally" "during" this UCP's/UCR's computation of every consecutive UF's frame (e.g., of the universe) – but which "dissolves back" into the singularity of this UCR's "in-between" any two (such) consecutive UF's frame/s, in which this UCR continues to exist but without the presence of any physical universe! Hence, only this singular "computationally-invariant" UCR/UCP truly exists, whereas the entire physical universe (e.g., and its Four Physical Features, Four Forces and all of its exhaustive spatial pixels etc.) may only be seen (and regarded) as "transient-phenomenal manifestations" of this singular (higher-ordered) "Universal Consciousness Reality" (UCR)! In this deep (and profound) sense, "G-D's Physics" not only unifies (for the first time in Physics!) between the Four basic Physical Features, Four Forces (e.g., as well as resolves- and unifies- between GRT & QM – as "special-cases" within "G-D's Physics" newly discovered "Universal Computational Formula")! Even more significantly, it completely metamorphosizes our basic understanding of the "true-reality" underlying our entire physical universe – which is no other than this singular (higher-ordered) "Universal Consciousness Reality" (UCR)!

F. ** Science's Role: Advancing Humanity Towards its "Perfected Geulah Goal State"!

Indeed, based on the (current article's) direct empirical validation of "G-D's Physics" Discovery of a "Broader (Empirical & Theoretical) "Horizon" (D) & "Theoretical-Validation: Generalization & Unification ("Unitary-Invariance") (E) Criteria satisfaction; In particular, the (latter) "Theoretical-Validation": Generalization & Unification ("Unitary-Invariance") indication that "G-D's Physics" (empirically proven) New Scientific Paradigm (NSP) – not only is capable of (completely) unifying GRT & QM, and the Four (basic) Physical Features & Four Forces, but even (more significantly) "metamorphosizes" our basic understanding of the true "Universal Consciousness Reality" (UCR) underlying (and even transcending) the entire physical universe(!); there arises another (novel unique) criteria for this NSP regarding its "Advancing Humanity Towards Its Perfected Geulah Goal State"! Once the true nature of the entire universe is discovered through this New "G-D's Physics" Scientific Paradigm: as comprising

a singular (higher-ordered) "Universal Consciousness Reality" (UCR) which manifests as the physical universe – "during" its computation of every consecutive UF's frame/s; and remaining without the presence of any physical universe "in-between" any two (such) consecutive UF's frame/s! And once we realize the "sublime characteristics" of this singular "Universal Consciousness Reality" (UCR), i.e., of "All-Goodness", "Morality", "Peace" & "Harmony"; and its "pre-planned" advancement of the entire physical universe: from "inanimate" matter, through "animate": plants, animals and human-beings towards the "Ultimate Perfected Geulah Goal State" of Humanity and the Universe! the role of Science (itself) is altered – as being "critical" in informing and advancing Humanity (and the whole world) towards recognition of this singular (higher-ordered) "Universal Consciousness Reality" (UCR) and manifestation of that "Ultimate Perfected Geulah Goal State" for the whole of Humanity, which will be characterized by the same UCR's ("sublime") characteristics of "Goodness", "Morality", "Peace" & "Harmony"!

Specifically, this (breakthrough) article sets to validate one particular (unique) "Critical Prediction" of "G-D's Physics" New Scientific Paradigm – which clearly "negates"- and "defies"- the laws (and predictions) of both GRT (i.e., the "Energy-Mass Equivalence") and QM's (e.g., "Heisenberg's Uncertainty Principle")!?

Methods & Results

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 two unique "Critical-Prediction" relating to the "Universe's Non-Continuous Increase in Its Accelerated Rate of Expansion" (UNCIARE) due to the "Collective Human Consciousness Focus Hypothesis" (CHCFH) associated with the two days' "Rosh-Hashanah" (New Year's) time-interval in which Millions of Jews are collectively focusing upon this singular higher-ordered UCP; According to the Old ("Material-Causal") GRT's Paradigm, the (purely hypothetical concept of) DM predicts a "constant-rate" of the universe's expansion – i.e., which should not increase over time! In contrast, according to one of the new Theoretical Postulates of the "G-D'S PHYSICS" termed: The "Collective Human Consciousness Focus Hypothesis" (CHCFH), whenever there is a "Collective Human Consciousness Focus" (CHCF), e.g., of a large group of human-beings focusing upon this singular (higher-ordered) "Universal Computational/Consciousness Principle" (UCP), this results in an "Universe's Non-Continuous Increase in its Accelerated Rate of Expansion" ("UNCIARE")! For example, during the Jewish "Rosh-Hashana's" (new year) two days' special time-interval, according to the CUFT (unique) "UNCIARE-JRH" "Critical Prediction", there should be measured a "non-continuous increase" in the universe's accelerated rate of expansion (e.g., predicted to occur during the JRH's two days special annual interval of a CHCF!) [11-16].

The "Proton-Radius Puzzle" Confirms "G-D's Physics" Critical Prediction Pohl et al.²⁷⁻²⁹ 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 [17]:

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) [18].

This is because according to the New "G-d's Physics" UCP's computational definition of the "mass" value of any given subatomic particle, a more massive a particle possesses more "spatially-consistent" physical features – therefore predicting the "Critical-Prediction" of the relatively "more-massive" Muonic Hydrogen Proton possessing a more "spatially-consistent", i.e., smaller and more accurate, than the relatively "less-massive" electron-associated Standard Hydrogen Proton measurements!

Confirmation of "G-D's Physics" UNCIARE (JRH) Critical Prediction In order to confirm "G-D's Physics" (unique) "UNCIARE (JRH)" Critical Prediction it is necessary to gauge and compare the rate of the universe's expansion – at it's early (Cosmological) stages, as opposed to the current (Astronomical) measure of the universe's rate of expansion: Once again, according to "G-D's Physics" (unique) UNCIARE (JRH) Critical Prediction, the rate of the universe's expansion increases at every year's JRH's CHCF (two days' special time interval – e.g., at which Millions of Jew collectively focus on this singular higher-ordered UCP!), hence predicted to lead to an overall increase in the rate of the universe's expansion from its early Cosmological measure to the current Astronomical measure of the universe's expansion rate! (As indicated above, this unique "G-D's Physics" UNCIARE-JRH Critical Prediction predicting an overall increase in the universe's expansion rate from its early Cosmological to the current Astronomical rate of expansion – stands in stark contrast to the Old MCR's GRT's purely hypothetical "Dark-Matter" prediction regarding the rate of the universe's expansion which should remain constant over time!?) [18-20].

Indeed, the "Hubble's Tension" empirical findings (unequivocally) supports "G-D's Physics" UNCIARE-JRH prediction regarding such an increase in the rate of the universe's expansion – from the universe's 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?! In other words, "G-D's Physics" unique UNCIARE-JRH Critical Prediction, predicting that the Universe's expansion rate will increase (annually) during every consecutive JRH's two days'

(special) "Collective Human Consciousness Focus" (CHCF) – is validated by the "Hubble's Tension" findings! In contrast, these "Hubble's Tension" findings cannot be explained by the current "Standard Material-Causal" Paradigm of GRT, which assumes that the universe's accelerated expansion is the result of (purely hypothetical) "Dark Matter" concepts, which are assumed to comprise up to 95% of all the mass in the universe (but which failed to be detected despite twenty years of intensive experimentation attempting to do so)!? Even beyond that, even theoretically this (purely hypothetical) "Dark-Matter" concept could not account for the empirically observed "Hubble's Tension" because such a (purely hypothetical) DM concept could only account for a constant-rate expansion of the universe (e.g., over time), but not for the "Hubble's Tension" results indicating that the universe's rate of expansion increases over time, which precisely confirm "G-D's Physics" UNCIARE-JRH Critical Prediction!

Likewise, the empirically measured "Proton-Radius Puzzle" findings precisely support "G-D's Physics" novel UCP's computational definition of the "mass" of any given particle as function of its "Object Spatial Consistency" (across a series of UF's Frames); therefore the more "spatially-consistent" measurements of the (relatively more massive "Muon-Hydrogen") than the (relatively less-massive "electron-Hydrogen") was predicted by "G-D's Physics" to lead to a "spatially-smaller"- and spatially more accurate"- measurement of that "Muon-Hydrogen" empirical findings! In contrast, these "Proton-Radius Puzzle" empirical findings 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", interactions between gravity and the weak force, or a flavour-dependent interaction, higher dimension gravity, a new boson, and the quasi-free hypothesis π ; and therefore constitutes a direct empirical validation of New "G-D's Physics" Paradigm! Hence, these "Proton-Radius Puzzle" empirical results unequivocally support "G-D's Physics" unique Critical Prediction stemming from its (novel) UCP's computational definition of the "mass" value of any given (subatomic) particle (or relativistic object) [21-29].

Discussion

Based upon the (abovementioned) empirical validation of two (unique) "Critical Predictions" of "G-D's Physics" New Paradigm – as more valid than the corresponding predictions of the Old "MCR's" GRT & QM, we must accept "G-D's Physics" as the New (satisfactory) Scientific Paradigm (NSP) for Twenty-First Century Physics!

This (unequivocal) acceptance of "G-D's Physics" as the NSP for Twenty-First Century's Physics Paradigm stems – not only from its more accurate (unique differential) "Critical Predictions" (e.g., than the corresponding GRT's & QM's predictions); but also based on its satisfaction of Thomas Kuhn's (abovementioned) stringent scientific criteria necessary for the acceptance of any such NSP as more valid than the "Old Standard Paradigm" (e.g., MCR Paradigm underlying both GRT & QM:

A. "G-D's Physics" Resolves GRT-QM "Theoretical Inconsistency":

The principle "theoretical-inconsistency" between GRT & QM stems from GRT's insistence upon the "Speed of Light Barrier", i.e., the basic postulate that nothing (in the universe) can travel at a speed greater than the Speed of Light! Therefore, the empirically validated "Quantum Entanglement" phenomenon: wherein a certain subatomic measurement of one (of two) "entangled-particles" – "instantaneously" affects (and "determines") the "complimentary-value" of the other "entangled particle" (which may be separated by a distance greater than can be traversed by the Speed of Light emanating from that "first measured entangled particle"!)) seems to violate the "Speed of Light Barrier" (SOLB) of GRT!?

The manner in which "G-D's Physics" New Twenty-First Century's Paradigm is able to resolve this (apparent) GRT-QM "theoretical-inconsistency" is based on its (breakthrough) discovery of a singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) which "simultaneously" computes all exhaustive spatial pixels' Four (basic) Physical Features (e.g., of "space", "energy", "mass" and "time") for every consecutive "Universal Frame/s" (i.e., comprising the whole entire physical universe at every "minimal-time point"*) at the incredible rate* of " c^2/h " = 1.36 sec! Indeed, according to "G-D's Physics" New Scientific Paradigm, the UCP possesses two (out of three) specific "Computational Dimensions". i.e., "Framework" – each comprising two possible levels: Framework (e.g., "frame" or "object") and "Consistency" ("consistent" or "inconsistent"), producing four possible "combinations" corresponding to those Four Physical Features:

UCP's "Frame-consistent" computation: "Space". The UCP's computation of "Frame-consistent" values for each exhaustive spatial pixel yields the "space" value for each exhaustive spatial pixel in the universe (for every consecutive UF's frame/s)!

"Space"

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

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!

UCP's "Frame-inconsistent" computation: "Energy".

The UCP's computation of "Frame-inconsistent" values for each exhaustive spatial pixel yields the "energy" value for each exhaustive spatial pixel in the universe (for every consecutive UF's frame/s)!

"Energy"

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

wherein the energetic value of a given object, event etc. is computed based on the subtraction of that object's UF's (universal pixels' Coordinate System's location) across a series of UF's, divided by the speed of light multiplied by the number of UF's.

UCP's "Object-consistent" computation: "Mass".

The UCP's computation of "Frame-inconsistent" values for each exhaustive spatial pixel yields the "energy" value for each exhaustive spatial pixel in the universe (for every consecutive UF's frame/s)!

"Mass"

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

Wherein the UCP's computational measure of "mass" represents its computation of the number of UF's frame/s in which the "Object-consistent" internal values cannot exceeds a minimal increase based on a multiplication of the number of UF's frames by Planck's constant value.

UCP's "Object-inconsistent" computation: "Time".

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

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

Wherein the "temporal" value of any given UCP's computational measure of "time" represents its computation of the number of UF's frame/s in which the "Object-consistent" internal values cannot exceeds a minimal increase based on a multiplication of the number of UF's frames by the speed of light [19].

Table 1 illustrates the UCP's Computational Dimensions derived Four (basic) Physical Features:

Table 1: UCP's Computational Dimensions' Derivation of the Four Physical Features

Framework/Consist.	Frame	Object
Consistent	"Space"	"Mass"
Inconsistent	"Energy"	"Time"

Based on this (breakthrough) discovery of "G-D's Physics" of that singular higher-ordered UCP's "simultaneous" computation of all exhaustive spatial pixels' Four basic Physical Features, as: "Framework"- "consistent" ("space") or "inconsistent" ("energy"); or "Object" – "consistent" ("mass"), or "inconsistent" ("time") computations; this profound new realization of "G-D's Physics" New Scientific Paradigm allows for the resolution of the apparent "theoretical inconsistency" between GRT's (strict) SOLB and QM's (empirically validated) "Quantum-Entanglement" phenomenon! This is because once we realize that QM's "Heisenberg's Uncertainty Principle's" assumed "complimentary pairs" (e.g., of "space" and "energy" or "mass" and "time") – does not ensue from any direct (or even indirect) "material-causal" physical interaction/s between

the subatomic "probe" and "target" elements, but rather from the UCP's "complimentary computation" of either "Frame" – "consistent" ("space") and "inconsistent" ("energy"); or of "Object" – "consistent" ("mass") and ("time") Features; then according to these new "G-D's Physics" UCP's "complimentary computations" (of "space" – "energy"; or "mass" – "time") of the "complimentary-pairs", the abovementioned "Quantum Entanglement" phenomenon – is not "caused" by any direct (or even indirect) physical interaction/s between these two "entangled particles"! But is rather brought about (precisely) through this (singular) UCP's complimentary computation of these "UCP's complimentary-pairs"!

Thus, for instance, when that singular (higher-ordered) UCP computes the "complimentary-pairs" of "space" and "energy", e.g., for any such "two entangled particles": since the UCP's computation of (either of these "entangled particles") "space", (i.e., "Frame-consistent") or "energy", (i.e., "Frame-inconsistent") values are "complimentary", e.g., the more "focus" (or "accuracy") is given to (either of these "entangled particles") "energy" value – which denotes the UCP's computation of "Object-consistent" value/s, then necessarily also implies that the UCP's "focus" ("or "accuracy" level) for its "complimentary computation" of the "Framework-inconsistent" "energy" value/s (of either of these "complimentary-pairs") must also be affected (in a "complimentary" manner)! Likewise, the UCP's "complimentary computation" of (any of these) "entangled particle's" "Object-consistent" (e.g., "mass") or "Object-inconsistent" ("time") – is also necessarily "complimentary": i.e., the greater "focus" (or "accuracy level") with which the UCP computes any of these "entangled pairs" of either its "Object-consistent" ("mass") or "Object-inconsistent" ("time") value/s, then this also necessarily decreases the "other complimentary pair's" "focus" or "accuracy level"!

In fact, a more comprehensive understanding of the manner in which "G-D's Physics" New "A-Causal Computation" Scientific Paradigm explicates the true nature of the physical universe – as being continuously "computed", "dissolved", "re-computed" and "developed" (e.g., "simultaneously" for all exhaustive spatial pixels comprising the entire physical universe – at the incredible rate of " $c^2/h = 1.36\text{-}50 \text{ sec}^{-1}$ ") portrays the principle difference between the Old "Material-Causal Random" Paradigm's description of either: "Single Spatial-Temporal" (SST) of "relativistic objects" or "subatomic particles" – which measures the spatial-temporal value/s of only a "single spatial-temporal point" at any given "time-point"; or of "Multi Spatial-Temporal" (MST) "relativistic gravitational waves" or "QM's (assumed) probability wave-function" (e.g., which is "challenged" by "G-D's Physics" New "A-Causal Computation" Paradigm, as shown previously): which measures (at least) "two (or more) spatial-temporal points" at any given "time-point"; as opposed to "G-D's Physics" "Exhaustive Spatial-Temporal" UCP's "simultaneous" computation of all "exhaustive spatial points" (in the universe) for every consecutive UF's frame/s! [10].

Table 2: UCP'S "SST", "MST" & "EST" Computations!

UCP's Computations	SST	MST	EST
Num. "ST" Points	1	2+	All Points

B. "G-D's Physics" Explanation for Universe's Accelerated Rate of Expansion:

Indeed, the acceptance of "G-D's Physics" NSP as the New Twenty-First Century's Physics Paradigm follows from its satisfaction of Kuhn's (second) stringent scientific criterion, e.g., offering an (alternative satisfactory) theoretical explanation for the (otherwise "unexplained") accelerated rate of the universe's expansion rate! (As noted earlier, the Old MCR's "explanation" of the universe's accelerated expansion rate based on GRT's assumed existence of a purely hypothetical "Dark-Matter" concept, assumed to comprise up to 95% of all the mass in the universe – but which could not be verified experimentally for the past two full decades, cannot be regarded as a "satisfactory" explanation for the universe's empirically observed accelerated expansion rate!?) "G-D's Physics" new alternative explanation for the universe's accelerated rate of expansion stems from its (novel) "A-Causal Computation" Scientific Paradigm, and its (profound) discovery of the UCP's "Collective Human Consciousness Focus" (CHCF) Postulate – which has received empirical validation through the (above) "UNCIARE (JRH) Critical Prediction"! [30].

"G-D's Physics" "A-Causal Computation" New Paradigm

Contrary to the basic "Material-Causal Random" (MCR) assumption of the Old MCR Paradigm, e.g., assuming that any (relativistic or quantum) phenomenon can be explained strictly based on (direct or indirect) "material-causal" physical interaction/s between a certain "massive objects" and their ("caused") "curvature" of "Space-Time" (or between such assumed "curved Space-Time" and its "causal" determination of the "travelling-pathways" of those "massive objects" or of other "less-massive" objects); or of QM's assumed "causal" relationship/s between a certain subatomic "probe" element and its direct "material-causal" physical interaction with another corresponding subatomic "target's probability wave-function" – which "causes" the "collapse" of this (assumed) "probability wave-function" into a singular "complimentary" "energy-mass" or "time-mass" value/s;

"G-D's Physics" New "A-Causal Computation" Paradigm (principally) negates the very possibility of the existence of any such (direct or even indirect) "material-causal" physical interactions between any such relativistic "massive objects" and their (assumed) "curvature of Space-Time", or (conversely) between any such (assumed) "curved Space-Time" and its "causing" (or determination) of the "travelling-pathways" of those "massive objects" or of other "less-massive objects"! Or of the existence of any such "material-causal" physical interaction/s between a certain subatomic "probe" element and a corresponding subatomic "target's probability wave-function" which is assumed to "cause" the "collapse" of that "target's probability wave-function" (e.g., into a singular "complimentary": "space-energy" or "mass-time" value/s)!? This is due to "G-D's Physics" discovery of the UCP's "simultaneous" computation of all exhaustive spatial pixels' Four basic Physical Features (for every consecutive UF's frame/s) – which precludes the very possibility of the existence of any such (direct or even indirect) "material-causal" physical relationship/s between any two (or more) exhaustive spatial pixels, e.g., occurring at any

single or multiple UF's frame/s! Once we realize, that since that (singular, higher-ordered) UCP "simultaneously" computes all exhaustive spatial pixels for every consecutive UF's frames, therefore there cannot exist any (direct or even indirect) physical interaction/s between any two (or more) exhaustive spatial pixels existing any in any (single or multiple) UF's frame/s! Moreover, due to "G-D's Physics" (assumed) complete "dissolution" of all such exhaustive spatial pixels (comprising the entire physical universe in any single UF's frame/s) "in-between" any two (such) consecutive UF's frame/s (back into the singularity of this UCP!) therefore there cannot also exist any such "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels – across any two ("consecutive" or "non-consecutive" UF's frame/s)!

Therefore, it has been previously shown that "G-D's Physics" also principally negates GRT's "Big-Bang" Model, which assumes that the universe has been created by an initial "Big-Bang" nuclear event – which "caused" the creation of all "suns", "galaxies", "mass", "energy" etc.!? This is simply because according to "G-D's Physics" (novel) "A-Causal Computation" Scientific Paradigm, there cannot have existed any such (direct or even indirect) "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixels – i.e., including between the (assumed) "Big-Bang" nuclear event and its "causing" (e.g., creation) of any such "suns", "galaxies", "planets", "mass", "energy" etc. ; either in the "first", "second", "third"... "trillionth" etc. UF's frame/s!? Neither could there have been any such "material-causal" physical interaction/s between any such (initially assumed) "Big-Bang" nuclear event and the accelerated expansion of the universe! Nor could there exist any (abovementioned) purely hypothetical "Dark-Matter" (DM) concept that is assumed (by the Old MCR Paradigm) to "cause" this accelerated rate of expansion of the universe; e.g., once again, due to the "impossibility" of the existence of any such (direct or indirect) "material-causal" physical interaction/s between any such (purely hypothetical) "Dark-Matter" (DM) concept and any "outer galactic elements" (assumed to "cause" their "expulsion" by this purely hypothetical DM!?)

The UCP's "Collective Human Consciousness Focus" (CHCF) Postulate

Instead, "G-D's Physics" alternative explanation of the universe's (empirically observed) accelerated rate of expansion is associated with its (novel) UCP's "Collective Human Consciousness Focus" Postulate, which postulates that whenever there is a "Collective Human Consciousness Focus" (CHCF), e.g., of a large group of human-beings on this singular (higher-ordered) "Universal Computational/Consciousness Principle" (UCP), then this produces a "Universe's Non-Continuous Increase in its Accelerated Rate of Expansion" (UNCIARE)! Such as during the two days of the "Jewish Rosh Hashanah" (JRH) in which Millions of Jews (all over the world) singularly focus on this UCP (e.g., CHCF!) – which, in fact, constitutes one (of the two abovementioned) "G-D's Physics" empirically validated (unique) "Critical Predictions"!

As mentioned above, the empirically observed (unexplained) "gap" that exists between the early Cosmological "decreased" measurements of the universe's expansion rate -as opposed to the current "increased" Astronomical accelerated measurements

of the universe's rate of expansion (which is termed: "Hubble's Tension") – directly support "G-D's Physics UNCIARE (JRH) unique "Critical Prediction"; but contradicts the Old MCR's GRT's "Big-Bang" Model (e.g., including the purely hypothetical and empirically "unvalidated" "Dark-Matter" concept) that can only account for a "constant-rate" of the universe's expansion!?

We therefore stand at a truly "historic pivotal turning-point" in Twenty-First Century Physics which must necessarily embrace and accept "G-D's Physics" as the New Scientific Paradigm (NSP), e.g., as more valid and more exhaustive than the Old MCR's GRT & QM Models! In fact, as shown previously, this New "G-D's Physics" is not only more valid and accurate than those two (OLD MCR's) GRT & QM Theories, but in fact fully integrates- (and transcends-) both of them within its singular (higher-ordered) more exhaustive discovery of the UCP's "Universal Computational Formula" (UCF) that also (fully) unifies (e.g., for the first time in Physics!) between the Four basic "Physical Features" (of "space", "time", "energy" and "mass") [8].

"G-D's Physics" Complete Integration of GRT-QM & the Four Physical Features!

Strikingly, this new alternative ACC "G-D's Physics" theoretical account for the "appearance" of the "Relativistic curvature of Space-Time" by (certain) "massive objects" – which negates the very possibility of the existence of any such (direct or even indirect) "material-causal" physical interactions, e.g., between any two (or more) Relativistic or Quantum exhaustive spatial pixels (existing either in the same- or other- UF's frames) "opens the door" for a complete unification between GRT & QM, as well as between GRT's "Gravitational Force" and QM's "Standard Model's" other Three (e.g., Electromagnetic. Strong- & Weak- Nuclear Forces)! This is simply because "G-D's Physics" the discovery of this singular (higher-ordered) UCP which "simultaneously" computes all exhaustive spatial pixels' Four (basic) Physical Features, has also led to its discovery of a singular unified "Universal Computational Formula" (UCF) which completely integrates between those Four Physical Features (i.e., as "secondary computational by-products" of this singular higher-ordered "Universal Computational/Consciousness Principle", "UCP") (Figure 1)!

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

UF's {n...n...n} [PxI (a...z)]

Figure 1: The "universal computational formula" (UCF)

Note: which is accompanied by "G-D'S PHYSICS" computational (above) definitions of these four basic physical features of "space" and "energy", "mass" and "time".

Wherein the UCP represented by the Hebrew Letter "ש" computes at an extremely rapid rate, e.g., of " $c^2/h = 1.36$ (sec)' simultaneously every exhaustive spatial pixel comprising every consecutive UF's – including the UCP's complete integration of those Four basic Physical Features through the UCF's: $s * e / t * m$ computation (e.g., for each exhaustive spatial pixel – from "a to z")!

In order to see how this (novel) "G-D's Physics" Computational Definitions of each of the Four (basic) Physical Features is (fully) integrated within the UCF's singular formula – i.e., and which also allows for "G-D's Physics" complete integration of GRT & QM (as "special-cases" within the broader- exhaustive- higher-ordered theoretical framework of "G-D's Physics" UCF!); let us exMAIne "G-D's Physics" (novel) "Computational Definitions" of each of those Four (basic) Physical Features:

Indeed, "G-D's Physics" (novel) UCP's "Computational Definitions" of the Four Physical Features are based on the discovery of the UCP's two "Computational Dimensions" of "Framework" ("frame" or "object") and "Consistency" ("consistent" or "inconsistent"): wherein the UCP's computation of the UF's "frame" (level's) – "consistent" (e.g., "space") or "inconsistent" ("energy") Physical Features relates to the UCP's computation of the degree of "consistency" or "inconsistency" of any given "object", relative to the entire UF's ("coordinate-system", e.g., across a series of UF's frame/s)! Or, conversely, the UCP's computation of any given object's "object" (e.g., "internal-composition's) – "consistent" (e.g., "mass") or "inconsistent" (e.g., "time") produce the entire UF's exhaustive spatial pixels' Four basic Physical Features values! (See Table 1) [21].

The UCP's Four Physical Features (Novel) Computational Definitions:

"Space"

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

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

"Energy"

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

wherein the energetic value of a given object, event etc. is computed based on the subtraction of that object's UF's (universal pixels' Coordinate System's location) across a series of UF's, divided by the speed of light multiplied by the number of UF's.

In contrast, the computational definition of "mass" of any given "object" is computed by the UCP based on the number of times an "object" is presented "consistently" across a series of UF's, divided by Planck's constant (e.g., representing the minimal degree of inter-frame's changes): $M: \sum [O_i\{o-x,o-y,o-z\} [UF(n)] = O(i...n\{o-x,o-y,o-z\} \{UF(i...n)\} / h * n\{UF's(i...n)\}$ where the UCP's computational measure of the "mass" value of any given object is computed based on the number of times in which the "Object-consistent" "internal" $\{o-x,o-y,o-z\}$ values across a given series of UF's frames remains constant (e.g., identical): such that: [31]

"Mass":

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

Wherein the UCP's computational measure of "mass" represents its computation of the number of UF's frame/s in which the "Object-consistent" internal values cannot exceeds a minimal increase based on a multiplication of the number of UF's frames by Planck's constant value.

"Time":

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

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

Wherein the "temporal" value of any given UCP's computational measure of "time" represents its computation of the number of UF's frame/s in which the "Object-consistent" internal values cannot exceeds a minimal increase based on a multiplication of the number of UF's frames by the speed of light [10].

In order to illustrate the (full) integration of "G-D's Physics" singular "Universal Computational Formula" (UCF) – not only of the Four (basic) Physical Features, but also of GRT & QM (e.g., as "special-cased" within its UCF, as Einstein envisioned!) let us exMAIne two derivatives of this singular UCF, i.e., of a Relativistic and Quantum Formats!

The UCF's Relativistic Format:

$$\left\{ \begin{array}{l} \text{,} \\ \text{E} * \text{s} \\ \text{t} \end{array} \right\} = \left\{ \begin{array}{l} \text{M} * \text{c}^2 \\ \text{h} \end{array} \right\}$$

In which GRT's (famous) "Energy-Mass Equivalence" is embedded within the UCF.

The UCF's Quantum Format:

$$t * m = s * e * h * c^2$$

In which "Heisenberg's Uncertainty Principle's" ("complimentary pairs") are embedded as "special cases" within the UCF (see previously elaborated analysis of "G-D'S PHYSICS").

Interestingly, this (latter) new "G-D's Physics" UCP's (*) computation of the UCF's "Quantum Format" clearly reveals a much "deeper" understanding of the basic "computational constraint" imposed by Heisenberg's "Uncertainty Principle" that stems from "G-D's Physics" singular higher-ordered UCP's simultaneous computation of those Four (basic) Physical Features (for all exhaustive spatial pixels comprising the entire physical universe) – rather than as "caused" by any (direct) "material-causal" physical interaction/s between any (two subatomic) "probe" and "target" elements; which serves as the current QM's "theoretical explanation" for Heisenberg's "Uncertainty Principle" (e.g., and associated assumed "collapse" of the "target's probability wave-function" – as "caused" by this direct "material-causal" physical interaction between the subatomic probe and target elements)!? This is because if we realize that according to "G-D's Physics" (novel) UCP's computational definitions of these Four basic Physical Features (above) – arising from the four possible combinations of the two Computational Dimensions: "Framework" ("frame" or "object") and "Consistency" ("consistent" or "inconsistent"): "Frame" – "consistent" (e.g., "space") or "inconsistent" (e.g., "energy"), and "Object" – "consistent" (e.g., "mass") or "inconsistent" ("time")! Then, we can immediately see that the real "intrinsic computational-complimentary" reason for Heisenberg's "Uncertainty Principle" is not any direct (or even indirect) "material-causal" physical interactions between the subatomic "probe" and "target's" (assumed "probability wave function") elements! But rather, this "UCP's intrinsic computational complementarity" is the real reason for Heisenberg's "Uncertainty Principle" stems from the "UCP's intrinsic computational complementarity": i.e., since the UCP simultaneously computes both the "Framework" – "consistent" ("space") and "inconsistent" ("energy"), or "Object" – "consistent" ("mass") and "inconsistent" ("time") values of any given object (e.g., exhaustive spatial pixel in the universe – at the incredible rate of " $c^2/h = 1.36 \cdot 10^{17}$ sec'), therefore any increase in the accuracy level of the measurement of any one of these "UCP's computational pairs", i.e., "Frame" – "consistent" ("space") or "inconsistent" ("energy"), or "Object" – "consistent" ("mass") or "inconsistent" ("time") necessarily leads to a proportional decrease in the other "UCP's computational pair's" accuracy level!

Moreover, since this singular (higher-ordered) UCP simultaneously computes all Four Physical Features (for every exhaustive spatial pixel comprising each consecutive UF's frame/s), therefore the singular "Universal Computational Formula" completely integrates (e.g., for the first time in Physics!) those Four Physical Features as "secondary computational by-products" of the same singular (higher-ordered) UCP computation! Indeed, as can be seen from the two (abovementioned) "Relativistic" and "Quantum" Formats of this singular UCF, we can see that "G-D's Physics" novel UCF completely integrates – not only between those Four basic Physical Features, but also completely integrates GRT & QM as "special cases" within this broader and (indeed) exhaustive new theoretical framework! Hence, not only do those key Relativistic "Energy-Mass Equivalence" (" $E = Mc^2$ ") and Quantum's Heisenberg's "Uncertainty Principle" (e.g., stemming not from any direct "material-causal" physical interaction between the subatomic "probe" and "target" elements, but is rather due to the "UCP's intrinsic computational complementarity"!)) being embedded within the singular UCF's Relativistic and Quantum Formats, but more broadly, its been previously shown that all key Relativistic and Quantum phenomena and laws are being replicated (and indeed "transcended" as merely representing "special cases" within "G-D's Physics" more exhaustive theoretical framework) [].

"G-D's Physics' Predicted UNCIARE-JRH's MAI's Increased Four Physical Features Values Defies GRT's 'Energy-Mass Equivalence' Principle!

In order to directly "challenge" and "negate" the predictions and laws of both GRT & QM by one of the unique "Critical Predictions" of the New "G-D's Physics" Twentieth Century's Physics Paradigm; we need to first, (deeply) understand "G-D's Physics" unique "UNCIARE-JRH" Critical Prediction, and its ensued discovery of this UNCIARE-JRH's "Minimal Annual Increase" (MAI)

General Relativity Theory (GRT) and Quantum Mechanics (QM) are based on the "Material-Causal Random" (MCR) fundamental assumption: according to GRT, the whole universe has been created by a "random" (e.g., and "purposeless") initial "Bing-Bang" nuclear event which created all of the suns, galaxies, planets, etc. and also set in motion the universe's continuous ("constant-rate") expansion; Likewise the basic "dynMAIcs" of the universe's expansion and operation are also based on such a MCR assumption, e.g., wherein it is assumed ...

Specifically, GRT's MCR assumption manifests as Einstein's famous "Energy-Mass Equivalence" ($E = Mc^2$) which assumes that the amount of energy that can be produced from a minimal amount of mass is given by (or "caused" by) this (elegant) equation; Likewise, QM's MCR assumption can be glanced from Heisenberg's (famous) "Uncertainty Principle's" precise ("causal" relationship between those "complimentary pairs" of "space-energy" or "mass-time": for instance, QM assumes that it is due to the direct "material-causal" (& "random") physical interaction/s between the subatomic – "probe" element and corresponding (assumed) "target's probability wave-function" which "causes" the "collapse" of that "target's probability wave-function" into a singular "complimentary" "space-energy" or

"mass-time" value/s. Therefore, "Heisenberg's Uncertainty Principle" states that if we are to "increase" the subatomic "measurement accuracy" of the given probe's "spatial" (location) value (e.g., by increasing its frequency level) – this would "cause" a "proportional decrease" in the "accuracy level" of the measured "target's (probability function's) (collapsed) "energy" value (i.e., due to "impact" of that "increased energy disturbance" of the "probe" element upon the "alteration" of the target's "energy" value)!

Obviously, these basic (Relativistic and Quantum) MCR's "laws" and relationship/s" (e.g., and corresponding "predictions") form the very basis of GRT's & QM's fundamental theoretical framework (and understanding) of our physical universe (e.g., and the manner in which it "operates": its "origination"- "sustenance"- and "evolution"- etc.); To the extent that "G-D's Physics" New "A-Causal Computation" Scientific Paradigm "challenges" and even "negates" any of these basic "laws" ("relationship/s") or "predictions" – and it can be validated empirically, then this would clearly substantiate "G-D's Physics" as the "New (valid) Physics Paradigm (for the Twenty-First Century)!"

Indeed, "G-D's Physics" New "A-Causal Computation" (ACC) Paradigm asserts that since a singular (higher-ordered) "Universal Computational/Consciousness Principle" (UCP) "simultaneously" computes all exhaustive spatial pixels' (Four basic "Physical Features", e.g., of "space", "time", "energy" and "mass") comprising the entire physical universe (e.g., for every consecutive "Universal Frame/s", UF's, at the incredible rate of " $c^2/h = 1.36\text{-}50 \text{ sec}^{-1}$ "); therefore there cannot exist any (direct or even indirect) "material-causal" relationship/s between any (two or more) exhaustive spatial pixels (e.g., in any single- or multiple- UF's)!? Moreover, since according to "G-D's Physics" (novel) ACC Paradigm, all of these exhaustive spatial pixels "dissolve" back into the singularity of this UCP "in-between" any two (consecutive) UF's frame/s, therefore there cannot also exist any such "material-causal" relationship/s between any (two- or more- such) exhaustive spatial pixels "across" any two "consecutive" or "non-consecutive" UF's frame/s!?

Moreover, according to "G-D's Physics" (unique) "UNCIARE-JRH" "Critical Prediction", there occurs a "Minimal Annual Increase" (MAI) in the UCP's computation of those Four (basic) Physical Features, e.g., due to the JRH's two days of "Collective Human Consciousness Focus" (CHCF, in which Millions of Jews collectively focus on this singular higher-ordered "UCP")! Indeed, the (novel) "UNCIARE-JRH MAI's Universal Computational Formula" precisely delineates this ("G-D's Physics") predicted "increase" in the value/s of each of these Four Physical Features, e.g., of "space", "time", "energy" and "mass" value/s!

$$\left\{ \begin{array}{c} c^2 \\ \text{---} \\ h \end{array} \right\} = s * e$$

UF's {1...n...N} [Px] (a...z) t * m

Figure 2: The New "Unciare-Jrh – Mai's UCF"!

Note: which is accompanied by "G-D'S PHYSICS" computational (above) definitions of these four basic physical features of "space" and "energy", "mass" and "time". Wherein the UCP represented by the Hebrew Letter " ׁ " computes at an extremely rapid rate, e.g., of " $c^2/h = 1.36\text{-}50 \text{ (sec)}^{-1}$ " simultaneously every exhaustive spatial pixel comprising every consecutive UF's – which is increased by the UCP's MAI for each of these Four Physical Features (e.g., of "space", "time", "energy" and "mass" values' including the UCP's complete integration of those Four basic Physical Features through the UCF's: $s * e / t * m$ computation (e.g., for each exhaustive spatial pixel – from "a to z")!

This implies that at each (successive) JRH's (two days' of CHCF) the UCP increases the values of all Four Physical Features (e.g., of "space", "energy", "mass" and "time") – "simultaneously"! So, this means that, for instance, the "Energy" value derived from (for instance) 1 gram of Uranium – "during" this Jewish Year (e.g., which begun on Sep. 23rd -24th, 2025) should yield:

$$1\text{gr} * c^2 = (299, 792, 458) \text{ mt/sec}^2 = 8.98755179\text{E} +16.$$

But, if we would make the same (precise) measurement at the next JRH's (two days): 12-13 Sep. 2026, then the same 1 gram that we set aside (during this year) would increase its mass by the MAI value:

$$1\text{gr} * 1.000968 \text{ km s}^{-1} \text{ Mpc} = 1.000968 \text{ km s}^{-1} \text{ Mpc}$$

Therefore, when we will take this "increased mass 1 gr" of Uranium (taken from this year's sampling of 1gr) – which is predicted to increase its (precisely measured) mass to 1.000968 $\text{km s}^{-1} \text{ Mpc gr}$; and measure its produced Energy value (beginning from Next JRH's (12-13 Sep. 2026) we would get a significantly increased Energy value (given by):

$$1.000968 \text{ km s}^{-1} \text{ Mpc} * 8.98755179\text{E} +16 = 8.99625174\text{E} +16!$$

To the extent that these "G-D's Physics" "UNCIARE-JRH's -MAI Increased $E = Mc^2$ " will be validated empirically then this "challenges"- and (in fact) "defies"- GRT's Energy-Mass Equivalence strict prediction!

This is because according to Einstein's GRT's "Energy-Mass Equivalence" Equation ($E = Mc^2$):

$$1\text{gr} * c^2 = (299, 792, 458) \text{ mt/sec}^2 = 8.98755179\text{E} +16.$$

And NOT 8.99625174E+16!?

But, if (in fact) if this (precise) higher-value of the same gram

of Uranium (i.e., taken from this Jewish Year's measurement – and experimented with during the next JRH's two days: 12-13 Sep. 2026) would validate "G-D's Physics" "UNCIARE-JRH's MAI Increased (mass) value; and subsequently also yield the predicted increased $8.99625174E+16$! Energy Value, but NOT GRT's (standard " $E=Mc^2$ " $8.98755179E+16$) – then this would validate "G-D's Physics" as the New Physics Paradigm for the Twenty-First Century!

Indeed, once we (closely) exMAIne the (above) "G-D's Physics" (novel) UNCIARE-JRH's MAI Universal Computational Formula", two major points emerge:

- A. The UNCIARE-JRH's MAI's Increased Physical Features' Universal Computational Formula (UCF) indicates an annual (simultaneous) increase in the values of those Four (basic) Physical Features (e.g., for every exhaustive spatial pixel comprising the entire physical universe)!

This implies that (as shown above). To the extent that "G-D's Physics" "UNCIARE-JRH's MAI's Increased Physical Features' UCF" is validated empirically, i.e., such as through its (above predicted_ defiance of GRT's (fundamental) " $E=Mc^2$ " (Energy-Mass Equivalence); such a validated prediction would completely "alter"- and (in fact) begin "metamorphosizing"- our Old MCR GRT's basic understanding of the structure, dynMAIcs and operation of the whole physical universe! This is because what this New "G-D's Physics" "UNCIARE-JRH's MAI's Increased Physical Features' UCF" implies is that the basic relationship/s between those Four (basic) Physical Features are "anchored" – or "originated", "sustained" and (indeed) "develops"- solely based on the singular (higher-ordered) UCP, rather than based on their direct "material-causal" physical interaction/s! As indicated (above), this means that a strict application of GRT's "Energy-Mass Equivalence" (" $E = Mc^2$ ") will not be sustained – when we allow for "G-D's Physics" (predicted) "UNCIARE-JRH's MAI's Increased Physical Features' UCF"! In other words, when we take (for instance) 1 gram of Uranium – and experimentally measure its produced " $E = Mc^2$ " energy release value: in the current Jewish Year, we are expected to get: $= 8.98755179E+16$.; But if we take the same 1 gram of Uranium (e.g., sampled during this Jewish year, e.g., prior to the two JRH's subsequent days of 12-13 Sep. 2026) and compare it to its predicted increase to $8.99625174E+16$! Energy Value! Then this would clearly "defy"- and "negate" GRT's standard " $E=Mc^2$ " "Energy-Mass Equivalence" basic law! Such an empirical validation of "G-D's Physics" (predicted) "UNCIARE-JRH's MAI's Increased Physical Features' UCF" would point at the UCP's sole "origination"- "sustenance"- and "development" of those Four (basic) Physical Features (of "space", "time", "energy" and "mass") – which undergoes an UNCIARE-JRH's MAI's Increase during each subsequent JRH's (two days of "Collective Human Consciousness Focus")!

- B. This "UNCIARE-JRH's MAI's Increased Physical Features' UCF" completely integrates those Four basic Physical Features – as "secondary computational products" of the (singular higher-ordered) "Universal Computational Principle" (UCP)!

Indeed, such (direct) empirical validation of the (predicted) "UNCIARE-JRH's MAI's Increased Physical Features' UCF"

would also point at "G-D's Physics' NEW "UNCIARE-JRH – MAI's UCF (Figure 1, above) which completely integrates those Four (basic) Physical Features, including their (novel, above) UCP's Computational Definitions.

It is important to note that the current (predicted) "G-D's Physics" (predicted) "UNCIARE-JRH's MAI's Increased Physical Features' – if empirically validated; will provide direct empirical support for "G-D's Physics" (profound) completely new understanding of the whole origination- sustenance- and development- of the entire physical universe, i.e., as solely dependent upon that singular (higher-ordered) "Universal Computational/Consciousness Principle" (UCP), e.g., including its two (profound) "Computational Invariance Principle" (and associated "Universal Consciousness Reality") theoretical postulates, and "G-D's Physics" postulated "pre-planned" UCP's origination of all "inanimate" matter, "animate": plants, animals and human-beings – leading up to the fulfillment of the Universe's "Ultimate Perfected Geulah Goal State" of Science and Humanity!

Kuhn's "Stringent Scientific Criteria" Call for Further Validation of "G-D's Physics' New Twenty-First Century's Physics Paradigm!

Based on the clear empirical validation of two unique "G-D's Physics" "Critical Predictions" (above): A. UNCIARE(JRH) increase in the universe's expansion rate. B. The "Proton-Radius Puzzle" findings (unique) predicted by "G-D's Physics" "Critical Prediction! And "G-D's Physics" satisfying of the other Stringent Scientific Criteria: B. Resolution of the (apparent) basic GRT-QM "theoretical-inconsistency" (above). C. Offering of an (alternative satisfactory) theoretical explanation for the (otherwise "unexplained" "Hubble's Tension" – based on "G-D's Physics" (validated) UNCIARE (JRH) "Critical Prediction"; Twenty-First Century's Physics must accept (and embrace) "G-D's Physics" as the New Twenty-First Century's Physics Paradigm (e.g., which has been shown to completely integrate- both GRT & QM as integral components and "special-cases" within "G-D's Physics" novel "Universal Computational Formula")!

Hence, in order to further advance (and significantly expand) our basic understanding of the universe's origination- dynamics-development- (and even "Ultimate Geulah Goal State of Humanity and the Universe!) Kuhn's Stringent Scientific Criteria call for further validation of "G-D's Physics" additional unique "Critical Predictions":

- A. G-D's Physics Predicts an "UNCIARE-JRH's Acceleration of Time" Critical Prediction!

Based upon the above results indicating that the resolution of the "Hubble's Tension" Enigma – can only be satisfactorily explained through "G-D's Physics" breakthrough new "Time-Scaling" of the universe, i.e., based on the centrality of the "Collective Human Consciousness Focus" (CHCF) and the UNCIARE's annual increase in the rate of the universe's expansion; it becomes clear that there exists an increase in the rate of the UCP's computation of the extremely rapid series of UF's frame/s! In other words, the manner in which "G-D's Physics" New ACC Scientific Paradigm explains the otherwise

"unexplained" "Hubble's Tension" Enigma - e.g., which could not be explained through the purely hypothetical "Dark-Matter" concept that is assumed to comprise up to 95% of all the mass in the universe but could not be detected experimentally (despite two full decades of intensive experimentations attempting to do so?!) And moreover, is negated based on the "constant-rate" of the universe's expansion - predicted by such "purely hypothetical" "Dark-Matter" concept, which is contradicted by the "Hubble's Tension" empirical measurements of the clear increase in the universe's expansion rate from its "early Cosmological" rate to the contemporary increased "Astronomical" rate?! The manner in which "G-D's Physics" New (empirically validated) ACC Paradigm can explain this "Hubble's Tension" explicated "UNCIARE-JRH" annual increase in the universe's expansion rate has to do with the UCP's increase in its rate of computation of the UF's series - which increases its basic rate of " $c^2/h = 1.36-50 \text{ sec}^{-1}$ " by the stipulated AMI increase of $0.000968 \text{ km s}^{-1} \text{ Mpc}^{-1}$. This means that the "Collective Human Consciousness Focus" (CHCF) at the Jewish Rosh Hashanah (JRHH) which brings about the UCP's UNCIARE-JRH's increase of an Annual Minimal Increase (AMI) - yields such an AMI increase - manifesting both in the "macroscopic-relativistic" rate of the universe's expansion rate (e.g., relating to the "spatial" increase in the outer-regions of the universe), as well as in the "microscopic-quantum" measure of the acceleration of "time", i.e., throughout the universe; (As well as to the other two (basic) Physical Features, e.g., of "mass" and "energy" - since this annual increase in the UCP's AMI's rate of production of the (extremely rapid series, i.e., " $c^2/h = 1.36-50 * \text{AMI}$ " at each Jewish Rosh Hashanah's (JRHH's) two days' CHCF!) The "beauty" (or "elegance") of this new ("exciting") discovery of "G-D's Physics" ACC Paradigm - regarding its predicted (unique) "Critical Prediction" of an "UNCIARE-JRH's Accelerated Time Rate" is that it "ties together" (or "unifies") such an "UNCIARE-JRH's" AMI's (annual) increase - "simultaneously" pertaining to the Four basic Physical Features (e.g., of "space", "time", "energy" and "mass") as ensuing from the UCP "Universal Computational Formula", which has to be adjusted accordingly, accordingly:

The diagram illustrates the 'Unciare-Jrh - Ami UCF' formula. On the left, a large curly bracket groups the terms c^2 and h , with a horizontal line between them. To the right of this bracket is the text 'x UNCIARE-JRH' AMI'. Below the bracket is the text 'UF's {n...n...x} [PxI {a...z}]'. An equals sign follows, leading to another large curly bracket on the right. Inside this bracket are the terms $s * e$ and $t * m$, with a horizontal line between them.

Figure 5: The New "Unciare-Jrh - Ami UCF"!

Note: which is accompanied by "G-D'S PHYSICS" computational (above) definitions of these four basic physical features of "space" and "energy", "mass" and "time". Wherein the UCP represented by the Hebrew Letter " , " computes at an extremely rapid rate, e.g., of " $c^2/h = 1.36-50 \text{ (sec)}^{-1}$ " simultaneously every exhaustive spatial pixel comprising every consecutive UF's - including the UCP's complete integration of

those Four basic Physical Features through the UCF's: $s * e / t * m$ computation (e.g., for each exhaustive spatial pixel - from "a to z")!

In order to compute the precise AMI (annual) increase brought about through this UCP's UCF - pertaining to each of those Four basic Physical Features, we must also take into consideration each of these Four Physical Features (specific new) UCP's Computational Definitions (accompanying the "UNCIARE-JRH" - AMI UCF):

The UCP's Four Physical Features (New) "Computational Definitions":

"Space":

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

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

"Energy":

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

wherein the energetic value of a given object, event etc. is computed based on the subtraction of that object's UF's (universal pixels' Coordinate System's location) across a series of UF's, divided by the speed of light multiplied by the number of UF's.

In contrast, the computational definition of "mass" of any given "object" is computed by the UCP based on the number of times an "object" is presented "consistently" across a series of UF's, divided by Planck's constant (e.g., representing the minimal degree of inter-frame's changes): $M: \sum [O_i\{o-x,o-y,o-z\} [UF(n)] = O(i...n\{o-x,o-y,o-z\} \{UF(i...n)\} / h * n\{UF's(i...n)\}$ where the UCP's computational measure of the "mass" value of any given object is computed based on the number of times in which the "Object-consistent" "internal" $\{o-x,o-y,o-z\}$ values across a given series of UF's frames remains constant (e.g., identical): such that:

"Mass":

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

Wherein the UCP's computational measure of "mass" represents its computation of the number of UF's frame/s in which the "Object-consistent" internal values cannot exceeds a minimal increase based on a multiplication of the number of UF's frames by Planck's constant value.

"Time":

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:

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

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

This means that this breakthrough discovery of "G-D's Physics" unique "UNCIARE-JRH's Time Acceleration" (Critical Prediction) could theoretically encompass and apply – not only to the (quantum) "Time-Acceleration"; and as explaining the "Hubble's Tension" (relativistic) "spatial" acceleration of the entire physical universe, but also to the other two basic Physical Features, i.e., of "mass" and "energy" – which are also predicted to increase by the same "UNCIARE-JRH's" UCP's AMI value at each consecutive JRH!

In other words, to the extent that this unique "UNCIARE-JRH – AMI UCF" "Critical Prediction/s" are empirically validated, i.e., (initially) through a measurement of: a) An "UNCIARE-JRH – AMI" Increase in rate of the universe's ("spatial") expansion rate (which begins during the upcoming JRH, e.g., Sep. 23rd -24th, 2025, relative to the current measured rate of the universe's expansion prior to these two JRH's special days of CHCF!) b) An "UNCIARE-JRH – AMI" Increase in rate of the universe's ("temporal") expansion rate (e.g., also beginning during those two days of the JRH's stipulated CHCF: at Sep. 23rd -24th, 2025, relative to the current measured "temporal" rate, prior to those two JRH's days!); and by extension – such (precise measurements) could be conducted pertaining the predicted "UNCIARE-JRH's – AMI's" increase in the measured vale/s of any universal phenomenon pertaining to its "energy" and "mass" value/s – also exhibiting a (UCP's) "UNCIARE-JRH – AMI" increase (beginning during the two days of JRH's Sep. 23rd -24th 2025)! Then, the empirical confirmation of such UNCIARE-JRH – AMI" Increase in the measurement/s of these (initial) two specified "Critical Predictions, i.e., pertaining the "UNCIARE-JRH – AMI" increase in: a) the universe's ("spatial") expansion rate; and b) it the universe's (fine) measured "temporal-rate" (e.g., as can be measured in any "atomic"- or "quantum"- "clock" or any fine-temporal measurement or even "sampling" of any physical process or phenomenon, see attached description in the "International Scientific Contest" all of these Four basic Physical Features could have quite "far-reaching" theoretical ramifications: First of all, it would differentially empirically validate "G-D's

Physics" as more valid than the corresponding predictions of the Old MCR's GRT & QM, thereby "crowing" "G-D's Physics" as the New Twenty-First Century's Physics Paradigm! Second, it would revise the MCR's current "Universal Time-Scaling" (see above discussion) as originating not in the MCR's (assumed) "Big-Bang" nuclear event (e.g., hypothesized to have occurred 13.8B years) – instead pointing at "G-D's Physics" centrality of the CHCF taking place during each consecutive JRH's two days UNCIARE's; with the stipulated AMI (empirical validation) indicating that the universe originated a mere 5786 years ago! Third, such empirical validation of these two (unique) "UNCIARE-JRH – AMI" "Critical Predictions" would also give a strong support for "G-D's Physics" "JRH's UNCIARE – AMI Universal Computational Formula", which unifies (for the first time in Physics) between those Four Physical Features within this singular UCF!

Obviously, such direct empirical support for "G-D's Physics" (candidate) NSP is strengthened by its (abovementioned) offering of alternative ("compelling") explanations for both GRT's "curvature of Space-Time", and QM's "Quantum-Entanglement" phenomenon – based on its (novel) "A-Causal Computation" Paradigm, e.g., arising from the UCP's (singular higher-ordered "simultaneous") computation of all exhaustive spatial pixels (for every consecutive "Universal Frame"), which also fully integrates both GRT & QM as "special-cases" within "G-D's Physics" UCF!

In addition, "G-D's Physics" NSP opens new (and exciting) fields of study- and additional (unique) "Critical Predictions" – which the empirical validation of even one of them would suffice to substantiate "G-D's Physics" as more valid than the (current) Old MCR Paradigm of GRT & QM, including:

- B. The UCF's Exhaustive Subatomic Particles' Computational Table"!

"G-D's Physics" complete integration of both GRT & QM – as "special cases" within the broader theoretical framework of "G-D's Physics" "Universal Computational Formula" (UCF) has also been (previously) shown to lead to the discovery of a (stipulated) "UCF's Exhaustive Subatomic Particles' Computational Table", that could be derived from the different possible computational relationships for each of the "known" Standard Model's subatomic particles – as embedded within the UCP's "Universal Computational Formula" (UCF), i.e., when we take into consideration the UCP's new "Computational Definitions" of each of these Four basic Physical Features (of "space", "energy", "mass" and "time")! Moreover, it is predicted by (this) "G-D's Physics" (novel) "UCF's Exhaustive Subatomic Particles' Computational Table", that any new (prospective) newly discovered subatomic "particle" or "element" could be derived based on this UCP's UCF and associated (novel) UCP's Computational Definitions of the Four Physical Features!
- C. Precise Astronomical Measurement of the UNCIARE-JRH's Critical Prediction: of an increase in the current Astronomical Value of the Universe's Expansion Rate, i.e., by a "*Minute Annual Increase" (MAI) of 0.000968 km s⁻¹ Mpc that will occur during the upcoming JRH: on Sep. 23rd -24th, 2025, e.g., relative to the currently measured rate of the universe's expansion prior to Sep. 23rd -24th,

2025 (with this increased MAI value expected to carry over through the entire next JRH, until the next JRH scheduled for Sep. 22nd & 23rd, 2026).

- D. Longitudinal measurement of the (same) UNCIARE-JRH's cumulative MAI's – across any given time-span! A second manner of testing (and validating) G-D's Physics UNCIARE-JRH Critical Prediction could be experimentally tested at particularly set "time-points", e.g., for instance: a) Before 10 years (e.g., 2014 after the JRH of 2014): a predicted $10 \times \text{MAI} = 10 \times \text{MAI of } 0.000968 \text{ km s}^{-1} \text{ Mpc}$ "decrease" from the current Hubble's constant, i.e., ; b) Before 50 years (e.g., (e.g., 2014 after the JRH of 2014): a predicted $10 \times \text{MAI} = 50 \times \text{MAI of } 0.000968 \text{ km s}^{-1} \text{ Mpc}$ decrease from the current Hubble's constant, c) Before 100 years : a predicted $100 \times \text{MAI} = \text{MAI of } 0.000968 \text{ km s}^{-1} \text{ Mpc}$ decrease from the current Hubble's constant.
- E. "G-D's Physics Differential-Mass 'Fine-Temporal Measurements' (FTM) Appearances": regards a comparison of an Accelerator's precise measurements of the significantly greater number of times that such a ("more massive") Muon particle would appear across a given series of UF's frames (i.e., or in fact a certain measurable sample thereof!) than the "less-massive" electron particle!

"G-D's Physics' Differential-Mass 'Fine-Temporal Measurements' (FTM) Appearances" (unique) "Critical Prediction", e.g., regarding the significantly smaller number of FTM's in which the 'electron' particle would be detected relative to the number of (such) FTM's in which the 'Muon' may be measured – needs to be corrected for the known subatomic (quantum theory related) "bias" towards the measurement of such 'more-massive' 'Muon' particle, relative to the measurements of a 'less massive' 'electron' particle; In other words "G-D's Physics' Differential-Mass 'Fine-Temporal Measurements' (FTM) Appearances" "Critical Prediction" regarding the significantly greater FTM's at which the 'more massive' Muon particle (M) would be detected, relative to the number of (equivalent) FTM's at which the 'less-massive' electron (e) particle would be detected should subtract the "quantum measurement bias" (QMB) towards a more 'sensitive temporal measurement' of more massive particle [32,33].

FTM(M) – QMB > FTM(e)

To the extent that this "G-D's Physics' Differential-Mass 'Fine-Temporal Measurements' (FTM) Appearances" "Critical Prediction" is empirically validated, then this would provide an (unequivocal validation for "G-D's Physics'" New Paradigm: i.e., specifically, for its novel conception of the manner in which that singular higher-ordered UCP differentially computes "more massive" particles, relative "less massive particles.

Urgent Call for All Astronomers, Cosmologists & Experimental Physicists to Validate "G-D's Physics" Unique "Critical Predictions"!

We now stand at a (truly) "historic juncture" along the development of science – akin perhaps to Eddington's empirical validation of Einstein's GRT's (unique) "Critical Prediction" regarding Mercury's 'double-valued' perihelion pathway around the Sun (e.g., which differentiated GRT from the Old Newtonian "Classical Mechanics" corresponding 'single-value' prediction!) Now, as then, Twenty-First Century Physics finds

itself within a (deep) "Paradigmatic-Crisis" (as described above) – which necessitates a major "Paradigmatic-Shift" from the Old (Twentieth Century's) "Material-Causal Random" Paradigm underlying both GRT & QM to the New "G-D's Physics" "A-Causal Computation" Scientific Paradigm: as supported by this article's clear portrayal of this New "G-D's Physics" satisfaction of Kuhn's "Stringent Scientific Criteria" required for the acceptance (and adoption) of such a New Scientific Paradigm!

Nevertheless, what's still needed is the (bold) testing of any of these (abovementioned) list of "G-D's Physics" unique "Critical Predictions" – e.g., specifically the UNCIARE-JRH "Critical Prediction" (with its precisely predicted AMI minimal increase of the rate of the universe's accelerated expansion which was predicted to occur at the recent JRH's two days CHCF interval and continue throughout the current Jewish Year!) It is quite clear that Einstein's call for Astronomers to test his Mercury's 'double-valued' (unique) "Critical Prediction" for GRT was (truly) "historic" – as it led to Eddington's (groundbreaking) empirical validation of Einstein's GRT as more valid than Newton's preceding "Classical Mechanics"! Twenty-First Century's Theoretical Physics now also stands at such a "historic juncture" – for if those (few bold) Astronomers, Cosmologists (and other Experimental Physicists) are found that would be willing to put to the test "G-D's Physics" (unique) UNCIARE-JRH's "Critical Prediction" (e.g., alongside its other abovementioned list of "Critical Predictions"); and to the extent that "G-D's Physics'" UNCIARE-JRH "Critical Prediction" is empirically validated, then this would lead to the unequivocal acceptance of "G-D's Physics" as the New Twenty-First Century's Physics Paradigm (by the entire Physics Scientific Community) and advance Humanity (as a whole) towards a completely new understanding of the basic origin, dynamics, development (and even "Ultimate Geulah Perfected Goal" of Humanity and the Universe!)

After all, Science is an "empirically-based" human endeavor – as Kuhn taught us: Science must empirically validate those "unique Critical Prediction/s" of any New Scientific Paradigm (e.g., which differentiate it from the Old "Standard Paradigm") in order to any such New Scientific Paradigm to be accepted (and embraced) by science!

Hence, an urgent call is now made to all (bold) Astronomers, Cosmologists and Experimental Physicists to collaborate with me in validating "G-D's Physics" "UNCIARE-JRH" and other (listed) "Critical Predictions"!

Science Must Validate "G-D's Physics" ("Broader-Horizon") Discovery of the UNCIARE-JRH AMI's Acceleration of the Universe's: "Space", "Time", "Energy" & "Mass" Values!

Based on the clear (and unequivocal) abovementioned empirical validation of at least two (unique) "Critical Predictions" of "G-D's Physics" New Scientific Paradigm – as more valid (and accurate) than the corresponding predictions of the Old MCR's GRT & QM; and the further satisfaction of Kuhn's (other abovementioned: "A - B") "Stringent Scientific Criteria". e.g., "G-D's Physics" shown capacity to resolve the apparent "theoretical-inconsistency" between GRT & QM (based on its discovery of that singular higher-ordered UCP and associated "Universal Computational Formula" (UCF) etc., as shown

above); and offering of an alternative (satisfactory) theoretical explanation for the "Universe's Non-Continuous Increase in its Accelerated Rate of Expansion" (UNCIARE) associated with the "Collective Human Consciousness Focus" taking place at the Jewish Rosh Hashanah (JRH's) two days' time-interval (and carrying on through the entire next Jewish Year) – which discards the (completely hypothetical) concept of "Dark-Matter", and resolves the "Hubble's Tension" Enigma! Even beyond that, "G-D's Physics" further "theoretical-validation" (e.g., abovementioned "E" Criteria) ("outstanding") proven capacity to unify – not only between GRT & QM, the Four (basic) Physical Features (e.g., of "space", "time", "energy" and "mass") based on this UCP's UCF, which also unifies between the Four Forces! These latter achievements are indeed outstanding – as Einstein's GRT was only capable of unifying between the "pairs": of "Space-Time" and "Energy-Mass" (Equivalence), but failed to completely unify between these Four basic Physical Features (i.e., within the single UCF formula)! Likewise, the Standard Model of QM succeeded in merging between three (Electromagnetic, Strong- and Weak- Nuclear Forces) – but failed to unify them with GRT's "Gravitational Force"! In contrast, the New (empirically validated) "G-D's Physics" Scientific Paradigm was shown (above and previously) to resolve this "Gravitational Enigma", i.e., unify completely between the Gravitational Force and the three other Forces as "secondary computational by-products" of that singular (higher-ordered) UCP's UCF! In fact, stemming from this UCP's UCF are derived "G-D's Physics" predicted "Computational Table" that can explain (e.g., replicate) all known (e.g., "Standard Model") subatomic particles – as well as predict the discovery of (yet "undiscovered") prospective other "elementary particles"!

Therefore, it is quite clear that "G-D's Physics" must be accepted (e.g., unequivocally) as the as the New Scientific Paradigm for Physics' Twenty-First Century! As such, it's "Broader Horizons" (e.g., "D" Criteria, above) discovery of the "Universe's Non-Continuous Increase in its Accelerated Rate of Expansion" (UNCIARE) associated with the JRH's two days of "Collective Human Consciousness Focus" (CHCF) – which brings about an "Annual Minute Increase" in the Universe's "space", "time", "energy" and "mass" values must be also empirically validated by Astronomers and Cosmologists (e.g., who can communicate directly with Dr. Bentovish through his personal see International Contest Announcement, below) [17].

Science's Role in Advancing Humanity Towards the Universe's "Ultimate Geulah-Goal Perfected State" (Criteria "F")!

Finally, Science must realize that based on its (unequivocal) acceptance (and "embracing") of "G-D's Physics" New Twenty-First Century's (empirically validated) Physics Paradigm (e.g., based on the satisfaction of Kuhn's "Stringent Scientific Criteria": "A-C"); and further "Theoretical Validation: Unification" (D) & "Broader Horizons" (E) additional robust criteria for the acceptance of any such "New Scientific Paradigm" by the Scientific Community; and especially given the "D" Criteria's (profound) indication of: not only the complete unification (for the first time in Physics!) of the Four (basic) Physical Features (of "space", "time", "energy" and "mass"), the Four (fundamental) Physical Forces, GRT & QM! But also pointing at "G-D's Physics" (truly profound) "Computational

Invariance Principle" and (especially) its associated "Universal Consciousness Reality" (UCR); which assert that since only this ("G-D's Physics" discovered) "Universal Consciousness Reality" (UCR) exists as "computationally-invariant", e.g., existing "continuously", "constantly" and "uniformly" both "during" its computation of every consecutive UF's frame/s, as well as remaining solely (e.g., without the presence of any physical universe) "in-between" any two (such) consecutive UF's frame/s; whereas the entire physical universe (e.g., and all of its multifarious exhaustive spatial pixels' Four basic Physical Features, Four Forces etc.) are only seen as "computationally-variant", (i.e., as being solely computed by this singular higher-ordered UCP/UCR "during" each consecutive UF's frame/s, but "ceasing to exist" "in-between" any two consecutive UF's and "dissolving" back into the singularity of this UCR!) Therefore (as stated above), according to these "Computational Invariance Principle" & "UCR" (profound new) "G-D's Physics" theoretical postulates, there truly exists only one singular (higher-ordered) "Universal Consciousness Reality" (UCR) – which "manifests" as the entire physical universe "during" each UCP's/UCR's computation of every consecutive UF's frame/s, but which (solely) remains without the presence of any physical universe "in-between" any two (such) consecutive UF's frame/s! So, according to "G-D's Physics" profound new understanding of the entire physical universe – existing only as a "transient-phenomenal manifestation" of this singular (higher-ordered) "Universal Consciousness Reality" (UCR); with this singular higher-ordered UCR characterized by such ("sublime") properties of "All-Goodness", "Morality", "Peace" & "Harmony" – and with Its "pre-planning" of the whole development of the entire physical universe: from "inanimate" matter through "animate": plants, animals, and human-beings – towards the fulfillment of the "Ultimate Perfected Geulah Goal State", in which Science and Humanity will recognize this singularity of the UCR (e.g., and these "sublime properties"), and therefore Humanity's existence (and behavior) will be characterized with the fulfillment of these "sublime characteristics" of "Goodness", "Morality", "Peace" and "Harmony"! Hence, Science's acceptance (and "embracing") of "G-D's Physics" New Twenty-First Century's Scientific Paradigm therefore entails its new (profound) understanding that it may need to fulfill a (greater) "vision" or (even) "goal" pertaining to the advancement of the whole of Humanity towards its recognition (and understanding) of that "Ultimate Perfected Geulah Goal" of the UCR (e.g., and its practical implications for Humanity's broader existence and behavior as part of this "Ultimate Perfected Geulah Goal State") [32,33]

An International Contest for Validation of g-d's Physics' New Twenty-first Century's Paradigm's Further "Critical Predictions"!

Background & Significance

Dr. Bentovish's (Bentwich) "G-D'S Physics" is being increasingly considered as the New Twenty-First Century Physics' Scientific Paradigm, i.e., with over 120 published (peer-reviewed) scientific articles; Indeed, two (unique) G-D's Physics' "Critical Predictions" have (recently) been empirically validated as more accurate than the corresponding predictions of both GRT & QM, thereby "crowning" "G-D's Physics" as the New Twenty-First Century! One of these (two) empirical validations of "G-D's Physics" New Scientific Paradigm pertains to the "Universe's

Non-Continuous Increase in its Accelerated Rate of Expansion" ("UNCIARE") during the (stipulated) "Jewish Rosh-Hashanah's" (JRH's two days) "Collective Human Consciousness Focus" (CHCF) Critical Prediction points at the existence of a singular (higher-ordered) "Universal Computational/Consciousness Principle" (UCP) that (simultaneously) computes all exhaustive spatial pixels comprising the entire physical universe at the incredible rate of " $c^2/h = 1.36 \cdot 10^{26} \text{ sec}^{-1}$ " thereby allowing this singular UCP to produce an extremely rapid series of "Universal Frames" of the entire whole universe! In addition, this validated UNCIARE Critical Prediction indicates the existence of a (novel) "Collective Human Consciousness Focus" (CHCF) theoretical postulate, which stipulates that whenever there exist such CHCF (of Millions of individual human-beings) on this singular UCP, then this brings about an increase in the UCP's rate of the universe's expansion!

Given the acceptance of "G-D's Physics" as the New Physics Paradigm for the Twenty-First Century, the Journal announces an "International Contest for Validation of 'G-D's Physics' New Twenty-First Century Paradigm's 'Critical Predictions'!" Astronomers, Cosmologists and Experimental Physicists are encouraged to submit articles describing their experimental validations of any of these specific "G-D's Physics" (unique) "Critical Predictions":

- A. Precise Astronomical Measurement of the UNCIARE-JRH's Critical Prediction: of an increase in the current Astronomical Value of the Universe's Expansion Rate, i.e., by a "Minute Annual Increase" (MAI) of $0.000968 \text{ km s}^{-1} \text{ Mpc}$ that will occur during the upcoming JRH: on Sep. 23rd -24th, 2025, e.g., relative to the currently measured rate of the universe's expansion prior to Sep. 23rd -24th, 2025 (with this increased MAI value expected to carry over through the entire next JRH, until the next JRH scheduled for (Sep. 12th & 13th, 2026).
- B. Longitudinal measurement of the (same) UNCIARE-JRH's cumulative MAI's – across any given time-span! A second manner of testing (and validating) G-D's Physics UNCIARE-JRH Critical Prediction could be experimentally tested at particularly set "time-points", e.g., for instance: a) Before 10 years (e.g., 2014 after the JRH of 2014): a predicted $10 \times \text{MAI} = 10 \times \text{MAI}$ of $0.000968 \text{ km s}^{-1} \text{ Mpc}$ "decrease" from the current Hubble's constant, i.e., ; b) Before 50 years (e.g., 2014 after the JRH of 2014): a predicted $10 \times \text{MAI} = 50 \times \text{MAI}$ of $0.000968 \text{ km s}^{-1} \text{ Mpc}$ decrease from the current Hubble's constant, c) Before 100 years : a predicted $100 \times \text{MAI} = \text{MAI}$ of $0.000968 \text{ km s}^{-1} \text{ Mpc}$ decrease from the current Hubble's constant.
- C. "G-D's Physics Differential-Mass 'Fine-Temporal Measurements' (FTM) Appearances": regards a comparison of an Accelerator's precise measurements of the significantly greater number of times that such a ("more massive") Muon particle would appear across a given series of UF's frames (i.e., or in fact a certain measurable sample thereof!) than the "less-massive" electron particle!
"G-D's Physics' Differential-Mass 'Fine-Temporal Measurements' (FTM) Appearances" (unique) "Critical Prediction", e.g., regarding the significantly smaller number of FTM's in which the 'electron' particle would be detected relative to the number of (such) FTM's in which

the 'Muon' may be measured – needs to be corrected for the known subatomic (quantum theory related) "bias" towards the measurement of such 'more-massive' 'Muon' particle, relative to the measurements of a 'less massive' 'electron' particle; In other words "G-D's Physics' Differential-Mass 'Fine-Temporal Measurements' (FTM) Appearances" "Critical Prediction" regarding the significantly greater FTM's at which the 'more massive' Muon particle (M) would be detected, relative to the number of (equivalent) FTM's at which the 'less-massive' electron (e) particle would be detected should subtract the "quantum measurement bias" (QMB) towards a more 'sensitive temporal measurement' of more massive particle [33-39].

FTM(M) – QMB > FTM(e)

To the extent that this "G-D's Physics' Differential-Mass 'Fine-Temporal Measurements' (FTM) Appearances" "Critical Prediction" is empirically validated, then this would provide an (unequivocal validation for "G-D's Physics" New Paradigm: i.e., specifically, for its novel conception of the manner in which that singular higher-ordered UCP differentially computes "more massive" particles, relative "less massive particles.

- D. "G-D's Physics" "UNCIARE-JRH – AMI" Universe's "Time-Acceleration"! The "UNCIARE-JRH – AMI Universe's Time-Acceleration" (new) "Critical Prediction" predicts that based on the JRH's stipulated (two days of special) "CHCF", there occurs an AMI (equivalent) "acceleration" in the UCP's rate of "time" computation (for all exhaustive spatial pixels in the universe!)! This implies that if we measure – with (any) "Fine-Temporal Measurement/s" (FTM) precision (e.g., such as with "Atomic-Optic) Clock/s", "Quantum Logic-Spectroscopy") of any physical phenomenon or process or rate, it is predicted that that FTM "Universe's Time Rate", i.e., rate of the universe's development (i.e., or of any subsystem physical system or phenomenon or process etc.) would "accelerate" itself (e.g., due to the UCP's UNCIARE-AMI increase in its rate of UF's computation/s!) beginning during the upcoming JRH, e.g., Sep. 23rd -24th, 2025, relative to the current measured rate of the "Universe's Time Rate" (e.g., as defined above)! rate of the universe's ("temporal") expansion rate (e.g., also beginning during those two days of the JRH's stipulated CHCF: at Sep. 23rd -24th, 2025, relative to the current measured "temporal" rate, prior to those two JRH's days!); (*By extension, prospective FTM's could be made pertaining to the 'equivalent' "UNCIARE-JRH'S – AMI'S" increase in the measurement of the two other Physical Features of "energy" and "mass" value/s for any exhaustive spatial pixel in the universe, e.g., or any physical phenomenon or object/s or Physical System etc. – beginning during the two days of JRH's Sep. 23rd -24th 2025, relative to before those two JRH's days!)

Publication of a "Special Issue" entitled: "Results of the international Contest for Validation of G-D's Physics' 'Critical Predictions'":

Scientific Contest Committee: The selection of the Five Winning Articles will be carried out by a Scientific Contest Committee, Chaired by Dr. Jehonathan Bentovish who is the "Father" of this New "G-D's Physics" Twenty-First Century's Scientific Paradigm.

Submissions (& Inquiries): to the International Contest for Validation Of G-D's Physics' New Twenty-First Century's Paradigm's Further "Critical Predictions"!

Dedication

This profound article is dedicated to the Lubavitcher Rabbi, to Rabbi HARAYYAZ (Yossef Yitzchak Schneorsohn), Harabi HARASHAB (Shalom Dov Beer), and my wife, Shulamit Bentovish, my dear sons, Shoham, Nethanel Yossef and daughter, Neomy Tirzah Shulamit, and my dear beloved (diseased) Mother, Dr. Tirzah Bentwich (Tirzah Bat Yitzchak).

References

- Bentwich J. "Harmonizing Quantum Mechanics and Relativity Theory". Theoretical Concepts of Quantum Mechanics, Intech (ISBN 979-953-307-377-3), Chapter 22. 2012. 515-550.
- Bentwich J. "Theoretical Validation of the Computational Unified Field Theory". Theoretical Concepts of Quantum Mechanics, (ISBN 979-953-307-3773), Chapter 23. 2012. 551-598.
- Bentwich J. "The Theoretical Ramifications of the Computational Unified Field Theory". Advances in Quantum Mechanics (ISBN 978-953-51-1089-7), Chapter 28. 2013. 671-882.
- Bentwich J. The Computational Unified Field Theory (G-D'S PHYSICS): A Candidate Theory of Everything. Advances in Quantum Mechanics (ISBN 978-953-51-1089-7) Chapter 18. 2013. 395-436.
- Bentwich J. The Computational Unified Field Theory (G-D'S PHYSICS): A Candidate 'Theory of Everything'. Selected Topics in Application of Quantum Mechanics (ISBN 978-953-51-2126-8) Chapter 6. 2015.
- Bentwich J. On the Geometry of Space, Time, Energy, and Mass: Empirical Validation of the Computational Unified Field Theory. Unified Field Mechanics: Natural Science Beyond the Veil of Spacetime (Proceedings of VIGIER IX Conference, Morgan State University, USA, 16-19 November 2014). 2015.
- Bentwich J. The 'Computational Unified Field Theory': A Paradigmatic Shift. Research & Reviews: Journal of Pure & Applied Physics. 2016.
- Bentwich J. The Computational Unified Field Theory: Could 'Dark Matter' & 'Dark Energy' be "Superfluous"? SciFed Journal of Quantum Physics Special Issue. 2017.
- Bentwich J. The Computational Unified Field Theory: Explaining the Universe from "Without". SciFed Journal of Quantum Physics Special Issue. 2017.
- Bentwich J. The 'Computational Unified Field Theory' (G-D'S PHYSICS): Redefining Mass, Gravity & the Physical Universe. The Global Journal of Science Frontier Research. 2019. 19.
- Bentwich J. Astronomical Validation of the Computational Unified Field Theory (G-D'S PHYSICS) "Critical Prediction" & Resolution of the "Universe's Accelerated Expansion Rate Enigma" (UAERE). The Global Journal of Science Frontier Research. 2019. 19.
- Bentwich J. Urgent Call for Empirical Validation of the Computational Unified Field Theory's (G-D'S PHYSICS) New 21st Century 'A-Causal Computation' (ACC) Paradigm. Acta Scientific Applied Physics. 2019. 1.
- Bentovish Bentwich J. An Urgent Need for "G-D'S PHYSICS" New 21st Century Paradigm's Empirical Validation. Advances in Theoretical & Computational Physics. 2020. 3: 59-65.
- Bentovish Bentwich J. "G-D'S PHYSICS: A New Scientific Paradigm for the Twenty-First Century. iUniverse. ISBN 9781532090370. 2021.
- Bentovish Bentwich J. "G-D'S PHYSICS": From Arbitrary Physical & Biological "Evolution" Towards A Universal Consciousness Reality's (UCR) Directed Morally-Perfected ("Geulah") Universe! In World Journal of Pharmaceutical & Medical Research, Special Issue: "G-D'S PHYSICS New Twenty-First Century Scientific Paradigm: Empirical & Theoretical Ramifications (In Press). 2021.
- Bentovish Bentwich J. "G-D'S PHYSICS": On the True Nature of "Dark-Energy" & "Dark-Matter". In World Journal of Pharmaceutical & Medical Research, Special Issue: "G-D'S PHYSICS New Twenty-First Century Scientific Paradigm: Empirical & Theoretical Ramifications (In Press). 2021.
- Bentovish Bentwich J. The New "G-D'S PHYSICS" New Twenty-First Century Paradigm: A Morally Perfected ("Geulah") Directed New Physical Universe! In World Journal of Pharmaceutical & Medical Research, Special Issue: "G-D'S PHYSICS New Twenty-First Century Scientific Paradigm: Empirical & Theoretical Ramifications (In Press). 2021.
- Bentovish Bentwich J. "G-D'S PHYSICS" New 21st Century Paradigm: A Complete Integration of "Space" & "Energy", "Mass" & "Time"! In World Journal of Pharmaceutical & Medical Research, Special Issue: "G-D'S PHYSICS New Twenty-First Century Scientific Paradigm: Empirical & Theoretical Ramifications (In Press). 2021.
- Bentovish Bentwich J. "G-D'S PHYSICS": Complete Unification of the Four Basic Forces of Nature & "Geulah"! In World Journal of Pharmaceutical & Medical Research, Special Issue: "G-D'S PHYSICS New Twenty-First Century Scientific Paradigm: Empirical & Theoretical Ramifications (In Press). 2021.
- Dahia F, Lemos AS. "Is the proton radius puzzle evidence of extra dimensions?". European Physical Journal. 2016. 76: 435.
- Karr J, Hilico L. "Why three-body physics does not solve the proton-radius puzzle". Physical Review Letters. 2012. 109: 103401.
- Kuhn Thomas S. The Structure of Scientific Revolutions (1st ed.). University of Chicago Press. 1962. 172.
- Lestone JP. Muonic atom Lamb shift via simple means (Report). Los Alamos Report. Los Alamos National Laboratory. 2017.
- Liu Y, McKeen D, Miller GA. "Electroponic Scalar Boson and Muonic Puzzles". Physical Review Letters. 2016. 117: 101801.
- Onofrio R. "Proton radius puzzle and quantum gravity at the Fermi scale". EPL. 2013. 104: 20002.
- Planck Collaboration, Aghanim N, Akrami Y. A&A. 2020.
- Pohl R, Antognini A, Nez F, Amaro FD, Biraben F. "The size of the proton" (PDF). Nature. 2010. 466: 213-216.
- Pohl R. "Laser spectroscopy of muonic deuterium". Science. 2016. 353: 669-673.

29. Pohl R. "Proton-radius puzzle deepens". CERN Courier. After our first study came out in 2010, I was afraid some veteran physicist would get in touch with us and point out our great blunder. But the years have passed, and so far nothing of the kind has happened. 2016.
30. Zyga Lisa. "Proton radius puzzle may be solved by quantum gravity". Phys.org. Retrieved September. 2013. 2.
31. Riess AG, Casertano S, Yuan W. Is there any measurable redshift dependence on the SN Ia absolute magnitude? 2018.
32. Riess AG, Yuan W, Macri LM. ApJL. 2022.
33. Riess AG, Gagandeep SA, Wenlong Yuan W, Casertano S, Dolphin A, et al. ApJL. 2024.
34. Shajib AJ, Birrer S, Treu T. STRIDES: a 3.9 per cent measurement of the Hubble constant from the strong lens system DES. 2020.
35. Scolnic D, Rest A, Riess A. Systematic Uncertainties Associated with the Cosmological Analysis of the First PAN-STARRS1 Type Ia Supernova Sample. 2014.
36. Verde L, Schöneberg N, Gil-Marín H. arXiv. 2023.13305.
37. Wong KC, Suyu SH, Chen GCF. H0LiCOW – XIII. A 2.4 per cent measurement of H0 from lensed quasars: 5.3 σ tension between early- and late Universe probes. 2020.
38. Mark Kamionkowski, Adam G. Riess. The Hubble Tension Energy. 2022.
39. Jian-Ping Hu, Fa-Yin Wang. Hubble Tension: The Evidence of New Physics. Universe. 2023. 9: 94.