

Precision & longitudinal measurements of the CUFT's UNCIARE-JRH critical prediction validate it as the new twenty-first physics paradigm!

Abstract

Twenty-First Century Theoretical Physics is undergoing a major “Paradigmatic-Shift” from the Old “Material-Causal Random” (MCR) Paradigm underlying both GRT & QM, to the New “Computational Unified Field Theory” (CUFT, also recently termed: “G-D’s Physics”) based on its proven capacity to: a) resolve the (apparent) “theoretical-inconsistency” between these two GRT & QM “pillars” of the Old MCR Paradigm; and b) offer an alternative (satisfactory) explanation for the accelerated expansion of the physical universe (e.g., to MCR’s purely hypothetical assumption of a “Dark-Matter” concept which could not experimentally verified for the past two full decades?!). The CUFT’s alternative explanation of the universe’s expansion is based on the discovery of: a singular higher-ordered “Universal Computational/Consciousness Principle” (UCP) that simultaneously computes all exhaustive spatial pixels in the universe at an incredible rate of $c2/h = 1.36-50$ (sec⁻¹); and the effect of a “Collective Human Consciousness Focus” (CHCF) upon this singular UCP’s produced rate of the universe’s expansion (e.g., during the “Jewish Rosh Hashanah” [JRH] two days’ CHCF), which brings about an “Minute Annual Increase” (MAI)* in the UCP’s computed rate of the universe’s expansion! Significantly, two (unique) “Critical Predictions” of the CUFT are being validated as more accurate than the corresponding predictions of GRT & QM, thereby leading to the (unequivocal) acceptance of the CUFT as the New Scientific Paradigm (NSP) for Twenty-First Century Physics – including the empirical validation of the CUFT’s “Universe’s Non-Continuous Increase in its Accelerated Rate of Expansion” at the “JRH” (UNCIARE-JRH) unique “Critical Prediction”! Based on these clear empirical validations of two (unique) CUFT’s “Critical Predictions” (as more valid than the corresponding predictions of both GRT & QM), two additional (prospective) CUFT’s Critical Predictions are identified, e.g., pertaining to (further) Precision & Longitudinal Measurements of this UNCIARE-JRH prediction, which would also provide a satisfactory resolution for the (otherwise “unexplained”) “Hubble’s Tension” Enigma!

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Introduction

Twenty-First Century Theoretical Physics has reached a state of a “Paradigmatic-Crisis” akin to the Paradigmatic-Crisis of Newtonian Mechanics that preceded Einstein’s Twentieth century’s “Paradigmatic Shift” brought about through his discovery (and eventual empirical validation) of “General Relativity Theory” (GRT) as the New Scientific Paradigm of Twentieth Century Physics! This is because, now (as then) there appears to exist a basic “theoretical inconsistency” between the two “pillars” of Twentieth Century’s “Material-Causal Random” (MCR) Paradigm, i.e., GRT & QM (e.g., back then, it was between Newtonian Mechanics and Maxwellian Electromagnetic Theory);¹⁻³ a) Additionally, this “Paradigmatic-Crisis” is signified by a principle inability of the Old (MCR) Paradigm to account for a key major phenomenon in Twenty-First Century Physics, i.e., the accelerated expansion of the universe – assumed to be “caused” by the (purely hypothetical) “Dark-Matter” (concept), which is supposed to account for up to 95% of all the mass in the universe, but which nevertheless could not be detected experimentally for the past two full decades (despite numerous attempts to do so!?) Based upon Thomas Kuhn’s (famous) analysis of the “Structure of Scientific Revolutions”, we know that following the appearance of such a “Paradigmatic-Crisis”, there emerges a (candidate) “New Scientific Paradigm” (NSP) which can:

a) Resolve the apparent “theoretical inconsistency” between the “pillars” of the Old MCR Paradigm (e.g., GRT & QM).

b) Offer an alternative (satisfactory) explanation for the (otherwise “unexplained”) accelerated expansion of the universe.⁴⁻¹⁰ Indeed, such a NSP has been discovered (over the past few year) called: the “Computational Unified Field Theory” (CUFT, also recently called: “G-D’s Physics”) which has been shown capable of achieving these two objectives; Succinctly stated, this NSP CUFT was able to resolve the apparent “theoretical inconsistency” between GRT & QM based on the discovery of a singular (higher-ordered) “Universal Computational/Consciousness Principle” (UCP) that simultaneously computes all exhaustive spatial pixels comprising the entire physical universe, i.e., at an incredibly rapid rate of “ $c2.h$ ” = 1.36-50 (sec⁻¹) thereby producing a series of “Universal Frames” (UF’s)¹¹ comprising the whole physical universe at every “minimal time-point”! The alternative theoretical explanation for the accelerated rate of the universe’s expansion is given through the CUFT’s “Universe’s Non-Continuous Increase in its Accelerated Expansion” (UNCIARE), e.g., brought about by a “Collective Human Consciousness Focus” (CHCF), such as during the “Jewish Rosh Hashanah’s” (JRH) two days special time-interval in which Millions of Jews (all over the world) focus upon this singular (higher-ordered) UCP!¹²⁻¹⁷ Hence, the accelerated expansion of the universe’s expansion rate is

brought about by the CHCF of the JRH, which results in a predicted “UNCIARE-JRH” annual increase in the universe’s expansion rate (rather than is the result of the “purely hypothetical” and in fact negated by the CUFT NSP “Dark-Matter” concept which could not be verified experimentally)! This UNCIARE-JRH annual increase in the universe’s expansion rate has been calculated to comprise a “*Minute Annual Increase” (MAI) of $0.000968 \text{ km s}^{-1} \text{ Mpc}^{-1}$ “per year; This (novel) CUFT’s unique “Critical Prediction” of the UNCIARE-JRH’s increase of an MAI (e.g., annually) opens an entirely new “window of opportunity” for the validation of the CUFT NSP (candidate) as more valid than the Old MCR Paradigm (e.g., of GRT & QM) – i.e., both through “precise” MAI (sensitive) annual Astronomical measurements “during” the JRH’s two days special time-interval; as well as through “longitudinal” Cosmological measurements indicating a “cumulative” increase in the universe’s expansion rate over a certain given “time-interval” (e.g., such as over the past 10, 50 or 100 years etc.)¹⁸⁻²³

Indeed, according to Kuhn’s analysis, in order for this (new candidate) CUFT to be accepted by the Scientific Physicist Community – as more valid than the Old MCR Paradigm of GRT & QM, it is necessary for the CUFT to identify at least one (unique) “Critical Prediction”, e.g., such as the UNCIARE-JRH prediction, as being more accurate than the corresponding prediction of GRT; As will be delineated, the CUFT’s UNCIARE-JRH Critical Prediction points an MAI (annual) increase in the universe’s expansion rate, whereas the Old MCR’s GRT’s “constant” rate of the universe’s expansion! Interestingly, this principle difference between the CUFT’s UNCIARE-JRH MAI (cumulative) increase in the universe’s expansion rate and the Old MCR’s GRT’s “constant rate” of the universe’s expansion – may also explain the “Hubble’s Tension” Enigma, i.e., indicating the existence of a significantly observed increase in the universe’s expansion rate from its early Cosmological value to the current (increased) Astronomical rate of the universe’s expansion! This is simply because if the universe’s expansion rate increases (annually) based on the JRH’s CHCF (two days special time-interval), then we should expect that the universe’s expansion rate would increase from its initial Cosmological measure to the current (MAI’s cumulative increased) Astronomical measure, e.g., thereby explicating the “Hubble’s Tension” Enigma!²⁴

Hence, we stand at a truly “historic turning point”, equivalent to Eddington’s direct empirical validation of Einstein’s “Critical Prediction” regarding Mercury’s “double-valued” Perihelion’s curvature value (e.g., around the Sun, relative to Newtonian Mechanics predicted value)! This is because, just as in the case of Eddington’s (famous) 1919’s Solar Eclipse empirical validation of Einstein’s GRT’s (Mercury’s “double-valued” Perihelion’s) Critical Prediction – as more accurate than the (preceding) Newtonian Mechanics corresponding prediction: which inevitably brought the whole Scientific (Physics) Community to accept Einstein’s GRT as the NSP for the Twentieth Century; So (inevitably), the current (unique) “Critical Prediction/s” of the CUFT’s NSP (e.g., delineated below) – including its UNCIARE-JRH prediction: if validated empirically, as more accurate than the Old MCR’s GRT’s “constant rate” of the universe’s expansion, should (inevitably) lead to the (broad) acceptance of the CUFT as the NSP for the Twenty-First Century Theoretical Physics!^{25,26}

Materials and methods

In order to directly contrast between the new “CUFT” Paradigm and the corresponding predictions of the Old “Material-Causal” Paradigm, “CUFT” 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 “CUFT” 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 a “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!)

Results

The “Proton-Radius Puzzle” Confirms “CUFT” Critical Prediction²⁷⁻²⁹ 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 “CUFT” Paradigm stemming from its abovementioned new UCP’s computational definition of the “mass” of any given subatomic particle:

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

where the UCP’s computational measure of the “mass” value of any given object is computed based on the number of times in which the “Object-consistent” “internal” $\{o-x, o-y, o-z\}$ values across a given series of UF’s frames remains constant (e.g., identical). This is because according to the New “CUFT” 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!³⁰

Confirmation of “CUFT” UNCIARE (JRH) critical prediction

In order to confirm “CUFT” (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 “CUFT” (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 "CUFT" 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!?) Indeed, the "Hubble's Tension"³¹⁻³⁹ empirical findings (unequivocally) supports "CUFT" 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?³¹⁻³⁹

In other words, "CUFT" 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"³¹⁻³⁹ findings! In contrast, these "Hubble's Tension"³¹⁻³⁹ 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"³¹⁻³⁹ 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"³¹⁻³⁹ results indicating that the universe's rate of expansion increases over time, which precisely confirm "CUFT" UNCIARE-JRH Critical Prediction!

Likewise, the empirically measured "Proton-Radius Puzzle" findings precisely support "CUFT" 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 "CUFT" 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 $\pi + 51$; and therefore constitutes a direct empirical validation of New "CUFT" Paradigm! Hence, these "Proton-Radius Puzzle" empirical results unequivocally support "CUFT" unique Critical Prediction stemming from its (novel) UCP's computational definition of the "mass" value of any given (subatomic) particle (or relativistic object)!

Discussion

The current empirical results validate at least two (unique) "Critical Predictions" of the CUFT – as being more valid than the corresponding predictions of the Old "Material-Causal Random" (MCR) Paradigm: Specifically, the significant increase in the universe's measured rate of expansion, i.e., from its (initial) Cosmological "Background

Radiation" rate to its (current) Astronomical (significantly higher) rate of expansion – termed" the "Hubble's Tension",³¹⁻³⁹ precisely supports the CUFT's assumed "Universe's Non-Continuous Increase in Its Accelerated Rate of Expansion" (UNCIARE-JRH) "Critical Prediction", as more valid than the "constant-rate expansion" prediction of the Old MCR Paradigm's GRT (Figure 1)! This is because, according to Old MCR's Paradigm's GRT "Big-Bang" Model, the universe's expansion rate should be "constant" – as caused by the assumed initial "Big-Bang" nuclear event (e.g., and additional two other "Exceptional Expansive Events" (or factors, EEE's; as delineated below and previously). Specifically, the (purely hypothetical) "Dark Matter" concept, which is assumed by the Old MCR Paradigm to comprise up to 95% of all the mass in the universe (e.g., but which could not be detected experimentally for the past two decades despite numerous attempts to do so?! – could only account for such a "constant rate" of the universe's expansion, because the quantity of this purely hypothetical DM is (itself) "constant" (e.g., or may in fact "diminish" over time, hence leading to a deceleration of the universe's expansion rate...) Hence, according to the Old MCR's GRT Model of the universe, the universe has been created 13.8 Billion years ago, and since then its expansion rate should have been "constant" (i.e., as further delineated below through this MCR's assumed three purely hypothetical EEE's). In contrast, according to the CUFT's (novel) Scientific Paradigm, there exists a "Universe's non-Continuous.

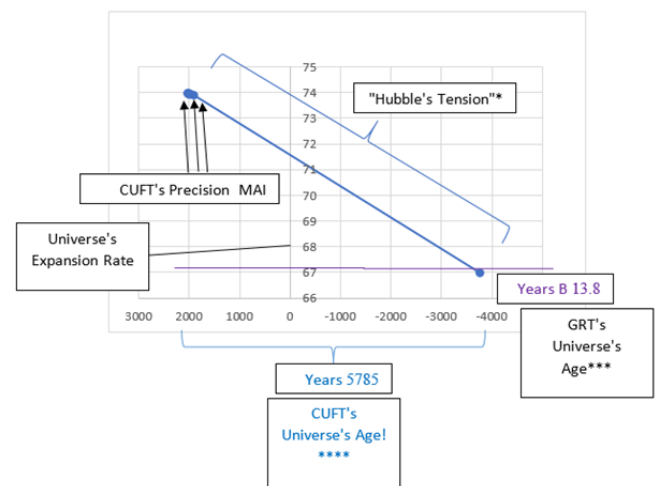


Figure 1 CUFT's UNCIARE & Univ.Age!

Increase in its Accelerated Rate of Expansion" (UNCIARE), which is brought about through the JRH's (two days') "Collective Human Consciousness Focus" (CHCF) upon the singular (higher-ordered) "Universal Computational/Consciousness Principle" (UCP) which increases the universe's rate of expansion by a Minute Annual Increase (MAI) (i.e., of 0.000968 km s⁻¹ Mpc (during the JRH's two days' time-interval!) Hence, the existence of this (specific JRH associated) CHCF is seen as "critical" for the continuous (cumulative) increase in the universe's "accelerated" expansion rate, which also points at the CUFT's "Six Days Creation Model" (delineated previously) highlighting the centrality of this CHCF as a key (essential and necessary) factor for the empirically observed "UNCIARE" (e.g., otherwise "unexplained") increase in the universe's expansion rate! Consequently, the CUFT introduces an entirely different account of the universe's (stipulated) age (and "origin") of the physical universe, e.g., to be derived from the MAI's predicted (annual increase) in the universe's expansion rate: originated 5785 years ago!

Therefore, the current article provides initial (unequivocal) empirical support for the CUFT's UNCIARE's (unique) "Critical Prediction" regarding the (cumulative) MAI's increase in the universe's expansion rate – i.e., producing the otherwise ("unexplained") "Hubble's Tension"! This is (once again) because unlike GRT's "Big-Bang" Model which assumes a "constant" rate of the universe's expansion (e.g., and the universe's creation based on an initial "Big-Bang" nuclear event dated 13.8 Billion years ago) – leading to an "unexplained" "Hubble's Tension" Enigma which cannot account for a significant increase in the universe's expansion rate over time; the (novel) CUFT explains the universe's (continuous) "origination" by that (singular, higher-ordered) UCP, based on its continuous computation- "dissolution" "re-computation" and "evolution"- of every exhaustive spatial pixel (e.g., simultaneously), at an incredible rate of " $c/2/h = 1.36 \cdot 50 \text{ sec}^{-1}$ "! Thereby leading to the UCP's production of an incredibly rapid series of "Universal Frames" (UF's) comprising the entire physical universe at every such "minimal time-point"! Indeed, according to this (entirely new) conception of the universe's (constant and continuous) "origination"- "dissolution"- "re-computation"- and "development"- by this singular (higher-ordered) UCP; and the (abovementioned) centrality of the human CHCF (e.g., during the JRH's two days' special time-interval), which brings about an annual "MAI" increase in the UCP's rate of the universe's expansion rate – leads to the CUFT's (clear and unique) "Critical Prediction" of "UNCIARE", which is empirically validated- by the (otherwise "unexplained" by the Old MCR's GRT "Big-Bang Model)! Indeed, it is due to the CUFT's centrality of the JRH (two days') CHCF (time-interval) – and specifically the MAI's (cumulative) increase in the universe's expansion rate (over time), that the CUFT's stipulated age of the physical universe is only 5785 (rather than the Big-Bang Model's stipulated 13.8 Billion years!

In order to further support this (novel) CUFT's UCP's CHCF (JRH's) model of the universe's UNCIARE increase (over time), we highlight its (conceptual computational) negation of the Old MCR's Big-Bang Model of a "constantly" expanding universe: According to the Old MCR Paradigm's GRT "Big-Bang" Model, the universe's current rate of expansion can be explained based on three "Exceptional Expansive Events" (or factors, EEE's): 1) Initial "Big-Bang" Event: the creation of the entire physical universe based on an initial nuclear event. 2) Cosmological Factor: exceptional ("unexplained") anti-gravitational effect that is causing the universe's constant-rate increase in its expansion rate. 3) Purely hypothetical ("unexplained") "Dark-Matter" Concept: that is assumed (somehow) to "cause" an increase in the universe's expansion!?! However, even beyond the (perplexing) failure of Astronomers to experimentally detect the actual existence of this (purely hypothetical) "Dark-Matter" concept (for the past twenty years!?) even from a theoretical standpoint, this (purely hypothetical) Dark Matter (DM) concept – could not account for an increase in the universe's expansion rate!?! This is because even if there existed such a (purely hypothetical) DM concept (or element) – assumed to (somehow) "push" the outer-galactic elements in the universe, it could only do so at a "constant-rate", e.g., because it's quantity cannot increase over time (due to the Second Law of Newton and the Third Law of Thermodynamics'!) This means that over time, the rate of the universe's expansion could only remain constant – or (much more likely) decrease!

In fact, the very (computational) structure of GRT's (three) "Exceptional Expansive Effects" (EEE's), e.g., (1) "Big-Bang" event; (2) "Cosmological Factor"; (3) "Dark-Matter" – all share two (very important) characteristics:

- These three EEE's are based on the Old "Material-Causal Random" (MCR) Paradigm's basic "Self-Referential Computational System" (SRCS) structure; which has been shown by the CUFT's "Computational Duality Principle" (CDP) to be "computationally flawed", i.e., lead to an inevitable "logical-inconsistency" and (ensuing) "computationally-indeterminacy", and are therefore negated by the CDP (as "invalid")!
- These three EEE's can only account for a "constant rate" of the universe's expansion (e.g., or more likely a "decreasing rate" of the universe's expansion) "over time" – but cannot account for an "increased rate" of the universe's expansion over time!?

Indeed, when we examine each of these three EEE's (e.g., individually), we can see that none of them can account for an "increasing rate" of the universe's expansion: a) The "Big-Bang" (initial) nuclear event cannot account for an increasing rate of the universe's expansion, since the initial "impetus" of the Big-Bang's nuclear explosion necessarily pushes the universe's outer galactic elements at a certain "constant" rate, (e.g., or more likely will decrease over time) but will not "increase" over time! b) The "Cosmological Constant" – despite it being "unexplainable": e.g., there is no "etiological" physical explanation for its repulsive effect, or the nature of such an effect; in any event such an "axiomatic repulsive effect" must also be "constant"! This is due to the fact that this "Cosmological Constant" has been defined as "constant"! c) "Dark-Matter" (DM): this purely hypothetical DM – despite the fact that it could not be detected experimentally (for the past twenty years, despite numerous attempts to do so!?) could only "push" those outer galactic regions in a "constant" (e.g., or more likely a "decreasing" rate) over time; this i.e., because, once again, unless this "DM" could somehow "increase in quantity" (over time), its effect could not "increase" over time!

Indeed, an examination of the SRCS Computational Structure of each of these three EEE's has revealed that they all share the same basic SRCS' (intrinsic) "computational flaw", which is exposed through the CDP – and points at the inevitable existence of of a singular higher-ordered "Universal Computational Principle" (UCP), which according to the CUFT (simultaneously) computes all exhaustive spatial points in the universe Paradigm at the "unfathomable" rate of $c/2/h = 1.36 \cdot 50 \text{ (sec}^{-1})$! The "Computational Duality Principle" (CDP) Negation of the GRT's SRNCS Structure!

According to the "Computational Duality Principle" "CUFT"'s Postulate, the basic "Computational Structure" of GRT's Old "Material-Causal" Paradigm, e.g., termed: a "Self-Referential Negative Computational System" (SRNCS) is "computationally flawed", i.e., it inevitably leads to both "logical-inconsistency" and ensuing "computational indeterminacy" – which are contradicted by GRT's Computational System's proven empirical capacity to determine the accelerated rate of the universe's expansion, thereby pointing at the singular higher-ordered UCP that simultaneously computes all exhaustive spatial pixels in the universe! Specifically, the GRT's SRNCS Computational Structure assumes that it is solely based on the direct physical interactions (di) between GRT's basic "Curved Space-Time" (due to the presence of certain "massive-objects") "Contractive-Stable Universe" [C-STMo : CSU], e.g., describing a universe that is fundamentally "contracting" or being "stable" (i.e., "constant"); and the three (abovementioned) EEE's "expulsive-effects", e.g.: BB, CC, and DE – all describing a (constant) "accelerated-expansion" of the universe produces such a SRNCS Computational Structure:

GRT's SRNCS:

$PR\{[C\text{-STMo} : \text{CSU}], [EEE\text{-BB}, CC, DE/DM]\} \square \text{"Not } C\text{-STMo} : \text{CSU"} / di \text{!}$

Wherein it is assumed that GRT's fundamentally assumed "Contractive-Stable Universe" (e.g., due to the curvature of Space-Time by certain "massive objects") : [C-STMo : CSU] seems to both "exist" and "Not exist" at the same "di" computational level, e.g., constituting a basic "logical-inconsistency" and associated "computational indeterminacy" implying an (apparent) inability of such a SRNCS System to determine the "existence" or "non-existence" of this {[C-STMo : CSU]}! But, since empirically the universe is in fact expanding (at an accelerated rate!), e.g., "Not {[C-STMo : CSU]}"; therefore, according to the CDP there must exist a singular higher-ordered UCP that simultaneously computes all exhaustive spatial pixels comprising the entire physical universe (for each UF's at the rate of " $c^2/h = 1.36\text{-}50 \text{ sec}^{-1}$ ")!

Precision & Longitudinal Measurements of the Universe's UNCIARE-JRH Expansion Could Resolve the "Hubble's Tension" Enigma! The significance of this important (seminal) article, is its call for Astronomers to measure and validate the CUFT's UNCIARE-JRH (unique) Critical Prediction, which could resolve the "Hubble's Tension" Enigma: This is because the "Hubble's Tension"³¹⁻³⁹ Enigma pertains to the unexplained increase in the universe's rate of expansion - from its initial "Background Radiation" Cosmological rate to the current Astronomical (increased) rate of expansion?! However, according to the (empirically validated) New CUFT Scientific Paradigm (for the Twenty-First Century), this "unexplained" "Hubble's Tension" is due to the UCP's UNCIARE-JRH effect, i.e., a "non-continuous" annual increase in the universe's rate of expansion that is associated with the "Collective Human Consciousness Focus" (CHCF) occurring during the "Jewish Rosh Hashanah" (JRH) two days' of CHCF! Indeed, according to the CUFT, the "Hubble's Tension" – is really only a manifestation of the cumulative increase of the UCP's UNCIARE-JRH over the entire span of the universe's time of existence! Therefore, an "International Scientific Contest for Validation of the CUFT's UNCIARE's Critical Prediction & Resolution of the Hubble's Tension Enigma" has called for Astronomers and Cosmologists to test and validate the CUFT's UNCIARE-JRH unique Critical Prediction: Specifically, to empirically validate the existence of an Minute Annual Increase (MAI) in the universe's expansion rate (associated with the universe's stipulated age associated with the 'Six Day Creation Model' (SDCM), which has been justified based on the centrality of the CHCF previously). TO the extent that the precise MAI value predicted by the CUFT's UNCIARE-JRH Critical Prediction is empirically validated, then this would provide an unequivocal support for the CUFT's UCP's associated CHCF "SDCM" as more valid than the Old MCR GRT's "Big-Bang" Model of the universe's origination and development!

As delineated in a previous article entitled: "CUFT Complete Unification of Quantum & Relativistic Models, Four Basic Physical Features & 'Hubble's Tension' Resolution!", the precise measurement of CUFT "UNCIARE-JRH" Critical Prediction" comprises: a (higher-precision*) 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 $0.000968 \text{ km s}^{-1} \text{ Mpc}$ (during the JRH's two days' time-interval (e.g., that occurred this year on Oct. 3rd -4th, 2024), relative to the rate of the universe's expansion prior to Oct. 3rd – 4th, 2024 (and that was predicted to carry through until the next JRH: Sep. 22nd-23rd, 2025 – in which another MAI of $0.000968 \text{ km s}^{-1} \text{ Mpc}$ will be added to the universe's accelerated rate of expansion!)

Indeed, a second manner for validating the CUFT's New Twenty-First Century's Scientific Paradigm's (unique) UNCIARE-JRH is based on a Longitudinal measurement of the same UNCIARE-JRH's cumulative MAI's – across any given time-span! Thus, for instance, this second manner of testing (and validating) the CUFT's 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 $10 * \text{MAI} = 10 * \text{MAI}$ 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 $10 X \text{MAI} = 50 * \text{MAI}$ of $0.000968 \text{ km s}^{-1} \text{ Mpc}$ decrease from the current Hubble's constant, c) Before 100 years : a predicted $100 X \text{MAI} = \text{MAI}$ of $0.000968 \text{ km s}^{-1} \text{ Mpc}$ decrease from the current Hubble's constant. Obviously, the combination of these two: "Precision"- & "Longitudinal"- measures of the CUFT's UNCIARE-JRH's Critical Prediction, when empirically validated, will provide an unequivocal support and validation of the CUFT as the New (satisfactory) Twenty-First Century Scientific Paradigm (e.g., as more valid than the Old MCR Paradigm's GRT & QM)!

Hence, we truly stand at a "historic pivotal turning point" in the development of Twenty-First Century Theoretical Physics (and in fact Science, more generally)! This is because there are already two clear (unique) Critical Predictions of the New CUFT's Scientific Paradigm that have been validated as more valid than the corresponding predictions of both GRT & QM, including: a) the "Proton Radius Puzzle" findings. b) The UNCIARE-JRH associated findings explaining the "Hubble's Tension" Enigma based on a cumulative MAI's increase (e.g., occurring annually at the JRH's two days CHCF special time-interval and continuing throughout the entire subsequent Jewish Year). Beyond that, the current article calls Astronomers and Cosmologists to validate (with an even with a greater precision) this UNCIARE-JRH (unique) "Critical Prediction"- i.e., pertaining both to: a) A precise (single) MAI increase in the current Hubble's Constant that should be measured exactly at each "Jewish Rosh Hahsnah's" (JRH) annual two-days' time-interval (and carrying over throughout the entire subsequent Jewish year: this year it occurred during October 3rd-4th, 2024). b) A Longitudinal Cumulative Measurement of the accumulated number of MAI's for any given particular span of time (e.g., as noted above: for 10- 50- or 100- years' time spans). At it stands (currently), the two abovementioned direct empirical validations of the CUFT's (unique) two Critical Predictions as more valid than the corresponding predictions of the Old MCR (GRT's & QM's) substantiate this CUFT as the New Scientific Paradigm for the Twenty-First Century! Nevertheless, the called for precision and longitudinal measurements of the CUFT's UNCIARE-JRH will provide an even more accurate ascertainment pf the CUFT's "Six-Day Creation Model" (SDCM) and its associated (key) "Collective Human Consciousness Focus" (CHCF) as central to the origination-development- and (in fact) "Ultimate Geulah Perfected Goal" State of the entire physical universe! This is because to the extent that these (more specific) Precision & Longitudinal Measurements of the UNCIARE-JRH Critical Predictions will be validated empirically, then this will (unequivocally) support the New CUFT Scientific Paradigm, indicating that the origination- sustenance- and development- of the entire physical universe is totally dependent upon that singular higher-ordered "Universal Computational/Consciousness Principle" (UCP) that simultaneously computes all exhaustive spatial pixels at the incredible rate of " $c^2/h = 1.36\text{-}50 \text{ (sec)}^{-1}$ "!

Moreover, according to this New Twenty-First Century Scientific Paradigm the whole origination- sustenance- dynamics- and development- of the entire physical universe has been "pre-planned"

by this singular higher-ordered UCP to develop from an initial “inanimate” matter through “animate”: plants, animals and human-beings towards attaining a Perfected Geulah Goal” State of Humanity in which Science (and the whole of Humanity) will recognize this singularity of the UCP, and its characterization by such “intrinsic-sublime” properties as: “All-Goodness”, “Morality”, “Peace” and “Harmony” – which will therefore also characterize the existence and behavior of the whole of Humanity! Therefore, the current (truly) “historic-pivotal turning point” associated with the direct empirical validation of the CUFT as more valid than both GRT & QM (e.g., and in fact completely unifying between them, as well as for the first time in Physics between the Four basic Physical Features: of “time”, “space”, “energy” and “mass”, as well as between the Four basic Forces!) is not “limited” only to the sphere of Twenty-First Century Theoretical Physics, or even Science (more generally), but in fact represents a Major Turning Point (and even “Apex”) in the whole development of Humanity and the entire physical universe, i.e., since it points at the “fulfillment” of the UCP’s “pre-planned” “Ultimate Perfected Geulah Goal” of the entire physical universe, in which the whole of Humanity (finally) recognizes) this singular higher-ordered UCP, and lives accordingly in complete Peace & Harmony!

Hence, it may be appropriate to end this (significant) article with Maimonides’ (“prophetic”) description of the state of Humanity during this (predicted) “Perfected Geulah State”:

Intriguingly then, “CUFT” points at Humanity’s (current) entering of the “Ultimate Perfected Geulah State” is extremely reminiscent of the Isaiah’s (well-known) Prophecy: And they shall beat their swords into plowshares, and their spears into pruning hooks; nation shall not lift up sword against nation, neither shall they learn war anymore... (Isaiah 2:4) And the Great Maimonides’ prophecy regarding “That time (of Geulah) there will be no hunger or war, jealousy or competition... and the whole World’s preoccupation will be only to know “G-D”! (Hilchut Melachim, 12:3-5).

Dedication

On this special day of the Seventh Light of Chanukah (written in the Israeli “Givulim” settlement, next to Gaza strip), I would like to dedicate this special article to Alter Rabbi, Rabbi Schneur Zalman, for his (famous) 19 Keslo (Tashfa) (19th of Kislev/5785 special (holy) day (e.g., considered as the “Rosh Hashanah” of the Chassidic Year!); due to the great “Light” that he brought to the world alongside the other Heads of the Jewish People (including the Ball Shem Tuv, and the Lubavitcher Rabbi) – all leading Humanity (and the world) to its ultimate “Perfected Geulah State”, which the New CUFT Twenty-First Century is pointing at! I would also like to dedicate this special article to my dear beloved (diseased) mother, Dr. Tirzah Bentwich, and my dear beloved wife ((ליה"ר, Shulamit Bentovish. * After revisions, this article is being submitted for publication of the special day of 10th of Tevet (fast) day, which may “G-D willing” be transformed to a (happy) “holiday”, based on the fulfillment of the “Geulah Perfected State” of Humanity (and Science), based on the discovery- and empirical validation- of the CUFT’s (e.g., recently also called “G-D’s Physics”) New Scientific Paradigm for the Twenty-First Century! (This article is also dedicated to my beloved wife, Shulamit Bentovish, whose “unwavering” support of my scientific work has allowed me to bring it to successful fruition!)

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Conflicts of interest

The author declares that there are no conflicts of interest.

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