



## The 'Computational Unified Field Theory' (CUFT) Goes Beyond the "Standard Model": "G-d's Physics"?!

By Dr. Jehonathan Bentwich, Ph.D.

**Abstract-** 20<sup>th</sup> century Physics has reached a "Paradigmatic Crisis" calling for a basic "Paradigmatic-Shift" in 21<sup>st</sup> century Theoretical Physics; The new "Computational Unified Field Theory" Paradigm may be called "G-d's Physics" in that it describes the operation of a singular (higher-ordered) "Universal Consciousness Reality" which creates- "dissolves"- re-creates- and evolves every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{50}$  sec" (!) This article delineates the way in which this new 'G-d Physics' goes beyond the "Standard Model" based on the CUFT's new 'A-Causal Computation' Paradigm and its complete unification of the four basic physical features of 'space', 'time', 'energy' and 'mass' as secondary computational derivatives of this singular 'Universal Consciousness Reality's' computation of the degree of "consistency/inconsistency" pertaining to each exhaustive spatial pixel across a series of "Universal Frames". Indeed, this new 'G-d's Physics' Paradigm challenges and negates some of the basic assumptions of 20<sup>th</sup> century's "Material-Causal" Paradigm underlying Relativity Theory (RT) and Quantum Mechanics (QM), including: the "Big-Bang" Model, the existence of "dark-matter" and "dark-energy" and even General Relativity's Einstein's Equations! Finally, this new CUFT's "G-d's Physics" goes beyond the 'Standard Model' in that it negates the existence of the four basic "forces" – as "independent" forces – rather seeing them as produced by the singular (higher-ordered) 'Universal Consciousness Reality' (UCR) which exists both "during" its computation of each exhaustive spatial pixel comprising each consecutive UF's frame/s, and solely existing *without the presence of any physical universe "in-between" any two such UF's frames!*

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# The 'Computational Unified Field Theory' (CUFT) Goes Beyond the "Standard Model": "G-d's Physics"?!

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**Abstract-** 20<sup>th</sup> century Physics has reached a "Paradigmatic Crisis" calling for a basic "Paradigmatic-Shift" in 21<sup>st</sup> century Theoretical Physics; The new "Computational Unified Field Theory" Paradigm may be called "G-d's Physics" in that it describes the operation of a singular (higher-ordered) "Universal Consciousness Reality" which creates- "dissolves"-re-creates- and evolves every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h = 1.36^{50}$  sec" (!) This article delineates the way in which this new 'G-d Physics' goes beyond the "Standard Model" based on the CUFT's new 'A-Causal Computation' Paradigm and its complete unification of the four basic physical features of 'space', 'time', 'energy' and 'mass' as secondary computational derivatives of this singular 'Universal Consciousness Reality's' computation of the degree of "consistency/inconsistency" pertaining to each exhaustive spatial pixel across a series of "Universal Frames". Indeed, this new 'G-d's Physics' Paradigm challenges and negates some of the basic assumptions of 20<sup>th</sup> century's "Material-Causal" Paradigm underlying Relativity Theory (RT) and Quantum Mechanics (QM), including: the "Big-Bang" Model, the existence of "dark-matter" and "dark-energy" and even General Relativity's Einstein's Equations! Finally, this new CUFT's "G-d's Physics" goes beyond the 'Standard Model' in that it negates the existence of the four basic "forces" – as "independent" forces – rather seeing them as produced by the singular (higher-ordered) 'Universal Consciousness Reality' (UCR) which exists both "during" its computation of each exhaustive spatial pixel comprising each consecutive UF's frame/s, and solely existing *without the presence of any physical universe "in-between" any two such UF's frames!* Hence, "G-d's Physics" presents an elegant "dual-approach" which: a) completely unifies RT & QM, the four basic features of "space", "energy", "mass" and "time" (as computed simultaneously by the UCR for each exhaustive spatial pixel in the universe) – thereby negating the "independent" existence of the four forces; and b) explains all of the Standard Model's elementary particles' properties (and hypothesizes the existence of additional yet undiscovered new particles) based on the discovery of a new "Universal Computational Formula" (UCF).

## I. INTRODUCTION

**T**wenty-first century Physics is undergoing a major "Paradigmatic-Shift", i.e., from the Old "Material-Causal" Paradigm underlying Relativity Theory & Quantum Mechanics to the new "A-Causal Computation" Paradigm of the 'Computational Unified Field Theory' (CUFT); In a nutshell, Physics finds itself in an "awkward" situation in which its two primary pillars,

namely: Relativity Theory and Quantum Mechanics seem to contradict each other, up to 85% of all of the assumed "mass" and "Energy" in the physical universe is "missing" – being attributed to a completely hypothetical "dark-matter" and "dark-energy" etc. What's lacking is a complete unified model that would satisfy the largest relativistic as well as the smallest quantum scales, ideally would unify between RT and QM, explain the Standard Model, unify Gravity with the three other basic (electromagnetic, weak and nuclear strong) forces of nature... *The current article summarizes and outlines the gist of the 'Computational Unified Field Theory' (CUFT)'s new "G-d's Physics"; i.e., a new singular higher-ordered 'A-Causal Computation' (ACC) Paradigm which bridges the basic "theoretical-gap" between RT and QM; completely unifies between the four basic physical features of "space" and "energy", "mass" and "time" (e.g., as secondary computational combinations of the Universal Computational Principle's two "Computational Dimensions" of "Framework" (frame/object) and "Consistency" (consistent/inconsistent); negates the Old "Material-Causal" 20<sup>th</sup> century's Paradigm's (of RT and QM) basic tenets of the "Big-Bang" Model, "dark-matter" and "dark-energy" as well as of General Relativity's Einstein's Equation's "material-causal" assumption – instead integrating these two models within a singular higher-ordered "Universal Consciousness Reality's" (UCR) "Universal Computational Formula"(UCF) which can potentially explain all of the Standard Model's elementary particles (and predicts the discovery of yet unknown new particles based on this UCF computational relationships)! Ultimately, this new CUFT's 'G-d's Physics' forces us to recognize the existence of this singular higher-ordered UCR – as existing "computationally-invariantly" both "during" its computation of each consecutive UF's frame/s exhaustive spatial pixels (simultaneously), and as solely existing (without the presence of a physical universe) "in-between" any two consecutive UF's frames!*

a) *The CUFT's Theoretical Postulates*

i. *The "Universal Consciousness Principle"*

The CUFT postulates the existence of a singular higher-ordered 'Universal Consciousness Principle' (UCP) which simultaneously computes every exhaustive spatial pixel in the physical universe – giving rise to the

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apparent relativistic effects of the "curved space-time" associated with "massive-objects" (and its corresponding apparent determination of the travelling-pathways of massive and non-massive objects); This apparent curvature of space-time associated with the presence of massive objects was recently explained through the distribution of "high-mass, low energy" vs. "low-mass, high-energy" objects across any given series of UF's – which correspond to the UCP's computation of "high frame consistency" (e.g., 'high-mass, low-energy') vs. "low frame-consistency" (e.g., 'low-mass, high-energy') spatial-pixels' loci (e.g., objects); Indeed, it was previously shown that such UCP's computation of high- vs. low frame-consistency (objects) distribution across a series of consecutive UF's produces and apparent "curvature of space-time" adjacent to those loci characterized by 'high frame-consistency' (e.g., corresponding to high-mass, low energy "massive objects") as well as to the apparent determination of the travelling pathways of the converse 'low-frame consistency' (high-energy-low mass) objects. We thus obtain that the evolution of the physical universe is not driven by a 'material-causal' physical interaction between "massive objects" which "cause" a "curvature of space-time" (and vice versa a 'material-causal' interaction between such "curved space-time" which "causes" massive or non-massive objects to "travel in particular travelling pathways"; But instead, the dynamical evolution of the physical universe is driven solely based on the singularity of the UCP which produces a series of UF's frames comprised of particular spatial-loci characterized as "high-frame consistency" (e.g., 'high-mass', 'low-energy' ) as opposed to other spatial loci characterized as "low-frame consistency" ('low-mass', 'high-energy') – which give rise to an apparent "curved space-time" which seems to be associated with "massive objects" etc.

ii. *The 'Computational Invariance Principle'*

Another key theoretical postulate of the CUFT is the 'Computational Invariance Principle' which asserts that since only the 'Universal Consciousness Principle' (UCP) may be regarded as "computationally-invariant" as it remains constant both "during" its sole computation of each exhaustive spatial-pixel 's four basic physical features (of 'space' and 'energy', 'mass' and 'time') comprising the entire physical universe (for each consecutive UF's frame/s), as well as solely remains without the presence of any physical universe "in-between" any two such consecutive UF's frames; whereas those four basic physical features may only be regarded as "computationally variant", e.g., exist only temporarily "during" each consecutive UF's frame/s (solely produced by the UCP) but not "in-between" them (wherein only the UCP exists); therefore, the 'Computational Invariance Principle' asserts that only the UCP can be regarded as "constant" and "invariant"

whereas the four basic physical features (of 'space' and 'energy', 'mass' and 'time') may only be regarded as "transient" and "phenomenal" (computationally variant).

iii. *The 'Universal Consciousness Reality'*

A closely related additional theoretical postulate is the 'Universal Consciousness Reality' postulate which postulates that since only the UCP can be regarded as "computationally invariant" (e.g., exists uniformly and constantly both "during" each consecutive UF's frame/s as well as solely exists "in-between" any two consecutive UF's frames) whereas the four basic physical features comprising each exhaustive spatial pixel across the entire physical universe (of 'space' and 'energy', 'mass' and 'time') may only be regarded as "computationally-variant"), therefore the 'Universal Consciousness Reality' postulate asserts that the entire physical universe, e.g., comprised of those four 'computationally-variant' basic physical features – must be regarded only as a "phenomenal-transient" manifestation of the singular 'computationally invariant' Universal Consciousness Principle!

iv. *The UCR 'Supra-Spatial-Temporal Reservoir Hypothesis' (UCR-SSTRH)*

Next, this 'Universal Consciousness Reality' is characterized by a novel 'Supra-Spatial-Temporal Reservoir Hypothesis' (UCR-SSTRH) which postulates that the singularity of the 'Universal Consciousness Reality' (UCR) also comprises a "reservoir" of all "past"- "present"- and "future/s"\*- UF's of the universe! (\*as described previously the CUFT's UCR-SSTRH postulates that there exists multiple potential future/s which are enacted or chosen by the UCP based on the "moral-choice/s" of any exhaustive Individual Human Consciousness, see the "UCR Dynamic-Equilibrium Principle", below):

v. *The 'UCR Inseparability Principle' & 'Omni-present, Omniscient' Postulates*

Succinctly stated, the 'UCR- Inseparability Principle' postulates that since the Universal Consciousness Principle computes every exhaustive spatial pixel comprising the entire physical universe (at every possible 'past'- 'present'- and 'future/s'- UF's frame/s comprising the abovementioned 'UCR-SSTR'), therefore all exhaustive spatial pixels comprising the entire physical universe are "inseparable" from the singularity of the Universal Consciousness Reality (UCR)... This also implies that the three different states of 'Individual Human Consciousness' – e.g., its "waking"- "dream"- and deep-sleep"- states are "inseparable" from the singularity of the UCR! Next, the 'UCR Omnipresent, Omniscient' postulate asserts that since all exhaustive spatial pixels comprising the entire physical universe – e.g., at each exhaustive 'past'- 'present'- and 'future/s'\* UF's frame/s is "inseparable" from the singular UCR, therefore necessarily this singular UCR "knows" and "is "present" in each such exhaustive spatial pixel/s

comprising each exhaustive (past, present, future/s\*) UF's!

vi. *'The UCR 'Dynamic-Equilibrium Principle'*

The UCR 'Dynamic-Equilibrium Principle' postulates that since all 'Individual Human Consciousness' comprise "inseparable" elements comprising the singular UCR (e.g., as evinced also by the above UCR-Inseparability Principle), and based on a postulated basic intrinsic property of this singular UCR which is its inherent tendency towards a "harmonious-unity"; therefore the 'UCR-Dynamic Equilibrium Principle' asserts that the UCR operates based on an inherent tendency towards maintenance of a balanced and unified consortium of Individual Human Consciousness entities: this implies that in case there exists a particular Individual Human Consciousness which chooses to inflict "pain" or "suffering" upon another given Individual Human Consciousness then the UCR "balances" this "moral-imbalance" through the 'Dynamic-Equilibrium Principle' through a delivery of the proportionate degree of 'suffering'/pain' inflicted upon the "inflicting" Individual Human Consciousness. Hence, the new CUFT 'ACC' Paradigm asserts that the evolution of the physical universe is not "caused" by the initially assumed 'Big-Bang' nuclear explosion but rather propagated by intrinsic features and tendencies of the UCR – e.g., one of which is this 'Dynamic-Equilibrium' moral principle (which sets to "balance" and "harmonize" any "moral imbalance" found between its embedded Individual Human Consciousness entities).

vii. *The "Individual Human Consciousness Expansive Spectrum Hypothesis" & "UCR-Evolution of Consciousness" Theoretical Postulates*

The "Individual Human Consciousness Expansive Spectrum Hypothesis" (IHCESH) postulate hypothesizes that another inherent key property of the UCR which drives the evolution of the physical universe is its intrinsic tendency to express ever more exhaustive (or "broader") manifestations of this singular Universal Consciousness Reality: Specifically, this UCR-ECH postulates that it manifests a progressive evolution from "inanimate", then "animate": "plants", "animals" and then "humans"- and within humans: a further evolution towards the "pinnacle" of the UCR evolution which is the "Universal Consciousness State"; Once again, this new CUFT ACC Paradigm differs from the old 'Material-Causal' Paradigm's associated Darwin's "Natural Selection Principle" (NSP) which assumes that the evolution of biological (plants, animals and even humans) is "caused" by their direct physical interaction with the environment which "selects" only the most compatible with an organism's particular environment; This is because whereas the old 'Material-Causal' 'NSP' assumes that evolution is "arbitrary", i.e., "caused" by "chance-mutations" in the genetic composition of particular organisms, and the direct physical interaction

between the environment and those ("genetic-mutated" and "non-mutated") organisms which "causes" the "selection" of those organisms that can best survive in that given environment; the new ACC Paradigm negates the very possibility of the existence of any such 'material-causal' physical relationships between any given organism (e.g., "genetically-mutated" or "genetically non-mutated") and its environment (due to the UCP's simultaneous computation of all exhaustive spatial pixels in the universe at every minimal time-point UF's frame/s); Instead, the whole evolution of the various 'inanimate', 'animate': 'plants', 'animals' and 'humans' forms – is driven by one singular Universal Consciousness Reality which manifests ever more expansive forms of this Universal Consciousness, i.e., expressing its fullest manifestation in the expanded Individual Human Consciousness – Universal Consciousness "expanded" state: Indeed, based on the abovementioned (and previously delineated) "Ontological Relativism" and "Universal Consciousness Reality Inseparability Principle" it was shown that just as is the Individual Human Consciousness "Deep-Sleep" state in which there exists no "separation" between the Individual Consciousness and the Universal Consciousness Reality, so it is postulated that there exists such an "expanded" Individual Human Consciousness – "Universal Consciousness State" in which the Individual Human Consciousness functions in a manner equivalent (and in fact "inseparable") from the Universal Consciousness Reality, e.g., also in its "waking state"; In fact, the "Individual Human Consciousness Expansive Spectrum Hypothesis" (IHCESH) converges with the "UCR-Evolution of Consciousness Hypothesis" in their common assertion that the evolution of the entire physical universe is aimed towards the gradual increasing manifestation ever broader and more exhaustive expression of 'inanimate', 'animate': plants, animals and humans and up to the full "expanded" Individual Human Consciousness Universal Consciousness State... Viewed in this new UCR light the entire origination, sustenance, and evolution of the physical universe is driven by the singular creative UCR and its inherent tendency towards the expression of ever broader forms of this singular UCR.

viii. *The UCR 'Reversed-Time Goal Hypothesis'*

A final theoretical postulate of the UCR recently discovered is the UCR-Reversed-Time Goal Hypothesis which further hypothesizes that from the higher-ordered singular perspective of the UCR's 'Supra-Spatial-Temporal Reservoir Hypothesis' (which comprises all "past-" "present"- and "future"- UF's) the UCR organizes the series of the UF's based on the fulfillment of its general Goal of the (abovementioned ) Evolution of Consciousness, i.e., based on its organization of the UF's in their "reversed-order" from that Goal (in the "future/s\*") towards the "past" including the entire



evolution of all inanimate, animate: plants, animals, and humans forms and including the UCR's "accelerated expansion" of the physical universe (through its accelerated addition of the number of exhaustive spatial pixels comprising the entire physical universe with each consecutive UF's).

b) *A Paradigmatic Shift in 21<sup>st</sup> Century Theoretical Physics: A-Causal Computation*

The basic metamorphosis taking place in 21<sup>st</sup> century Physics is the current Paradigmatic Shift from the Old 'Material-Causal' Physics, e.g., underlying both RT and QM to the New 'A-Causal Computation' Paradigm of the CUFT: Essentially, the basic shift from the Old 'Material-Causal' Paradigm of RT and QM to the New 'A-Causal Computation' Paradigm of the CUFT is characterized by a fundamental realization that the Old 'Material-Causal' basic assumption regarding how Relativistic and Quantum Systems "work" – may be computationally "flawed"! This is because the basic assumption underlying both RT and QM is that the physical reality operates based on "material-causal" physical relationship/s wherein a given "x" factor/s interacts" with another "y" factor/s alters their original state; This may be represented in this manner:

$$PR\{x,y\} \rightarrow [not\ y]$$

It has previously been shown that such computational structure of any computational System represents a "Self-Referential Computational System" (SROCS) which inevitably leads to both "logical inconsistency" and ensuing "computational indeterminacy" (e.g., inability to determine whether the "y" element "exists" or "does not exist"); However, according to one of the primary theoretical postulates of the CUFT namely: the 'Duality Principle' since both RT and QM computational Systems are capable of computing the "existence" or "non-existence" of any given relativistic (space-time or energy-mass) 'phenomenon' (e.g., including the postulated 'curvature of space-time' or the 'travelling pathways' of massive/non-massive objects, or the (complimentary) subatomic values of any given subatomic 'target' element, therefore the 'Duality Principle' asserted that there must exist a singular higher-ordered 'Universal Computational Principle' which simultaneously computes the "co-occurrence" of all exhaustive spatial pixels comprising the entire physical universe (at any minimal time-point, e.g., " $c^2/h = 1.35^{50}$  sec", which produces an extremely rapid series of 'Universal Frames' constituting all exhaustive spatial pixels of the physical universe). Therefore, the Duality Principle negated the basic computational SROCS structure of both relativistic and quantum computational systems as "flawed" – instead evincing the existence of a singular higher-ordered 'Universal Computational/Consciousness

Principle' which simultaneously computes a (rapid) series of UF's comprising the whole physical universe. Indeed, the simultaneity of the Universal Computational/Consciousness Principle's computation of every exhaustive spatial pixel in the universe was shown to negate the basic "material-causal" assumption underlying both RT and QM! This is simply because it was demonstrated that since all exhaustive (relativistic and quantum) spatial pixels comprising any (single or multiple) Universal Frame/s (UF's) are computed *simultaneously* – therefore there cannot exist any 'material-causal' physical relationship between any two (or more) exhaustive spatial pixels existing in any single- or multiple- UF's frame/s; Moreover, since the CUFT's new 'A-Causal Computation' Paradigm postulates that "in-between" any two consecutive UF's frames all exhaustive spatial pixels (comprising the entire physical universe) "dissolve" back into the singularity of the Universal Computation/Consciousness Principle (UCP), therefore there cannot also exist any 'material-causal' physical relationship between any two (or more) exhaustive spatial pixels "in-between" any two consecutive UF's frames! Thus, perhaps the most basic Paradigmatic Shift represented by the CUFT's New 'A-Causal Computation' (ACC) Paradigm is its insistence that there cannot exist any "material-causal" physical relationships between any two (or more) exhaustive spatial pixels (e.g., either at the quantum or relativistic levels) at any single- or multiple- UF's (or indeed "in-between" any two consecutive UF's); Instead, the new CUFT's ACC Paradigm advances an entirely new conception of the creation- (e.g., computation) "dissolution"- re-computation- and "evolution" of every exhaustive spatial pixel in the universe – as solely produced by the singular UCP at the incredible rate of " $c^2/h = 1.36^{50}$  sec"! Indeed, this new conception of the physical universe brought about certain "dramatic" changes in some of the basic tenets of Modern Physics – including fundamental changes in both Relativistic and Quantum Models, the resolution of their principle theoretical inconsistency, and their embedding within a singular "Universal Computational Formula" which will also be shown to completely integrate "space", "time", "energy" and "mass" as secondary computational manifestations of a singular Universal Consciousness Reality!

Indeed, given the basic crisis in pre-CUFT 21<sup>st</sup> century Physics, wherein the two primary pillars of Modern Physics, namely: RT and QM seem to contradict each other, and wherein up to 85% of all "mass" and "energy" in the physical universe cannot be "detected" (e.g., assumed to comprise an entirely hypothetical "dark-matter" and "dark-matter" – which were discarded by the CUFT as "superfluous" or "non-existent"); Additionally, the acceptable "Standard Model" describing the subatomic particles composite suffers from at least four significant basic "drawbacks":

- a) It doesn't account for Gravity – described by RT (but only for the three nuclear forces, excluding 'Gravity').
- b) It doesn't explain the accelerated expansion of the physical universe (currently hypothesized to be associated with the purely hypothetical "dark-matter" and "dark-energy" theoretical concepts).
- c) It doesn't resolve the principle theoretical inconsistency between RT and QM.
- d) It doesn't offer any explanation for the empirical distribution of the various subatomic particles (e.g., in terms of their measured: "spin", "mass", etc.) values.

Perhaps more significantly, this 'Standard Model' is also negated by the CUFT's new (abovementioned) 'A-Causal Computation' Model – based on its negation of the Old "Material-Causal" Paradigm's basic assumption; Indeed, as will be shown in this Theoretical Review article, the CUFT's new 'ACC' Paradigm's principle negation of the very possibility of the existence of any 'material-causal' physical relationships between any two (or more) exhaustive spatial pixels existing in any single- or multiple- UF's frames will also be shown to undermine the current Standard Model's basic assumptions and lead to a completely new conception of the entire physical universe including its apparent composite from the Standard Model's subatomic particles and its four basic physical "forces"... Instead, the CUFT's new 'ACC' Paradigm will be shown to lead to a singular higher-ordered UCP conception of the entire physical universe which is being continuously "created"- "dissolved"- re-computed- and evolved- at each and every exhaustive spatial pixel/s (comprising it) – merely as a manifestation of this singular Universal Computational/Consciousness Reality (through its extremely rapid series of UF's comprising, evolving and transcending the entire physical universe); several Experimental Methodologies that can be utilized to test the validity of this new 'A-Causal Computation' Paradigm (e.g., as opposed to the Old 'Material-Causal' Paradigm of RT and QM) will be outlined; Finally, the new emerging "picture" of the physical universe – as originated not by a "Big-Bang" nuclear explosion, neither as evolved through Einstein's Equations (nor through the "non-existent" 'dark-matter' or 'dark-energy'), nor as expanding into "nothingness" (e.g., manifesting as an ever-increasing "entropy" universe, as suggested by the "Second Law of Thermodynamics"); but instead, according to the new 'ACC' Paradigm of the CUFT the entire (continuous) origination- "dissolution"- and evolution- of every exhaustive spatial pixel comprising the entirety of the physical universe is "guided" solely based on the unique characteristics of the singular "Universal Consciousness Reality" – which includes its "Ten Laws of Manifestations" and an additional ('intermediate') new "Universal Consciousness Reality's Top-Down Form Manifestation Hypothesis"... This new CUFT's 'ACC' Paradigm of 21<sup>st</sup> century Physics

is also shown to completely unify- not only between RT and QM (e.g., as "special cases" embedded within the broader CUFT's 'Universal Computational Formula'), but also as completely unifying between the four basic physical features of 'space', 'time', 'energy' and 'mass' as well as "cancels" the "independent existence" of the Standard Model's fundamental subatomic particles – as mere manifestations of the singular UCR (i.e., operating through its "Ten Hierarchical Laws of Manifestation").

## II. THE CUFT'S ACC PARADIGM'S "TEN LAWS OF HIERARCHICAL MANIFESTATION"

Based on the "Cinematic-Film Metaphor" which was used previously to delineate some of the equivalences that may exist between a standard cinema-film production of a series of film-frames and the Universal Consciousness Reality's computation of a series of (extremely rapid) Universal Simultaneous Computational Frames (USCF's) which give rise to every exhaustive spatial-pixel comprising the entire physical universe at every minimal time-point (" $c^2/h$ "=1.45<sup>-42</sup> sec!); the CUFT's ACC Paradigm was shown to delineate the Ten Laws of Hierarchical Manifestation: This is because when we look at any cinematic-film's depiction of any given "plot", then we can see that over and beyond any apparent "material-causal" relationships that seem to exist within the film's frames (e.g., such as for instance the previously mentioned "shattering of a 'glass-jar' as 'caused' by the impact of a 'mercury-ball'" – which was shown to be produced merely through the film's director arrangement of a series of film-frames depicting an increasing proximity between the 'mercury-ball' and the 'glass-jar' followed by the apparent shattering of the glass-jar..); there is a deeper motivation (or purpose) that the film-director possesses in presenting to the viewers of the film a certain well-designed "plot" and "meaning" of this given film scenario: For instance, if the film depicts a certain 'plot' in which the "good-character" is involved in a certain "battle" with another "bad-character" against a given "evil" (or wrong-doing) being committed by this 'bad-character', which results in the eventual "triumph" of the 'good-character' against the 'bad-character' and the ultimate "correction" of the given 'wrong-doing' (or 'evil'), then the question arises as to "why" does the 'film-director' chose to depict this scenario in the film?! The answer to this specific question may very well be that the film-director is driven by a motivation to "educate" ("us" the 'viewers') to develop a "moral inclination" by watching (or "participating" in the film's presentation)! Indeed, when viewed from this 'higher' "motivational" perspective (of the 'film-director'), we realize that there exists a "hierarchy of laws" implicit within the film's presentation, e.g., for instance the presentation of a 'mercury-bullet' shot by the 'bad-character' at a 'glass-jar' (which contains at its bottom the "key" of a Million

Dollars savings' "volt" of an honest "Charity-Fund" for the poor): This is because we realize that over and beyond the film's presentation of the specific apparent "material-causal" relationship that seem to exist between the 'mercury-bullet's' impact on the 'glass-jar' which seem to 'cause' it to 'shatter' the 'glass-jar' – there is a higher motivation (of the film-director) to instigate in 'us' (the viewers) a "moral lesson" (regarding the governing of the world by a 'Moral-Law')...

In much the same manner it was hypothesized that there exists a "Hierarchy of Laws" associated with the singular Universal Consciousness Reality's ("dynamic-Interactive") arrangement of the 'Supra-Spatial-Temporal Reservoir' of all "past"- "present"- and "future/s"\*- USCF's comprising the evolution of the physical universe: Specifically, this 'Hierarchy of Laws' constructs a series of operational mechanisms, including:

- a) *The Universal Consciousness Reality's four basic 'Physical Features' of 'space', 'energy', 'mass' and 'energy'; which are computed as secondary computational combinations of two (out of three) Universal Computational/Consciousness' "Computational Dimensions": 'Framework' ('frame' /'object'), 'Consistency' ('consistent'/'inconsistent'), e.g., with 'space' and 'energy' representing the UCP's computation of Frame – consistent vs. inconsistent computational measures, and 'mass' and 'time' representing the UCP's computation of Object – consistent vs. inconsistent computational measures.*
- b) *The 'Universal Consciousness Reality's "Universal Computational Formula" which completely integrates those four basic physical features based on the singular computational process of the Universal Consciousness Reality, as well as physical relationships and laws of both Relativity Theory and Quantum Mechanics (yet transcends them):*

*Universal Computational Formula (Ucf):*

$$\left[ \frac{c^2}{h} \right] = \frac{s}{t} \cdot \frac{e}{m},$$

- c) *The Universal Consciousness Reality's "Supra-Spatial-Temporal Reservoir", e.g., comprising all "past"- "present" or "future/s"\*- USCF's frames comprising the entire evolution of the physical universe, which in turn is "motivated" by:*
- d) *The Universal Consciousness Reality's "Accelerated Expansion of Consecutive USCFs Frames' Presentation", e.g., previously delineated as negating the existence of any (purely hypothetical) "Dark-Mater" or "Dark-Energy" (assumed to "cause" the accelerated expansion of the physical universe); which in turn is "motivated" by:*

- e) *The "Evolution of Consciousness Hypothesis" , e.g., of the progressive presentation of "inanimate", then "animate": "plants", "animals", "humans"; which leads to:*
- f) *The Universal Consciousness Reality's "Dynamic-Equilibrium" Principle, e.g., (previously explained) which "balances" any "moral-injustice" (infliction of 'pain' or 'suffering' by one Individual Human Consciousness upon another Individual Consciousness) by allowing the 'Inflicting-Human Consciousness' to experience a proportionate 'suffering or pain' to the one it inflicted consciously upon the 'Inflicted Human Consciousness'...; This 'Dynamic-Equilibrium Principle' applies only to the "higher segment" of the 'Evolution of Consciousness' (hypothesis), namely: human beings; This 'Dynamic-Equilibrium Principle' is motivated by:*
- g) *The Universal Consciousness Reality's motivation to express its full "Expanded Individual Human Consciousness Universal Consciousness' State"↓ this refers to the ultimate "goal" of the Universal Consciousness Reality to evolve the entire physical universe (which was shown previously to merely represent a "camouflaged" manifestation of the singularity of the Universal Consciousness Reality) towards a "full manifestation" of the Universal Consciousness Reality through its expression within an "expanded" 'Individual Human Consciousness' through its "Universal Consciousness State" in which Individual Human Consciousness expresses an equivalent functioning and capacities as the Universal Consciousness Reality's continuous computation- "dissolution"- sustenance- and evolution- of every exhaustive spatial-pixel in the universe (as well as its 'Supra-Spatial-Temporal Reservoir's access and potential influence etc.); this Universal Consciousness Reality may be "motivated" by its:*
- h) *Universal Consciousness Reality's "Free-Will Hypothesis" Hypothesis": an essential freedom of the Universal Consciousness Reality to express- create- evolve- "dissolve"- and evolve- any exhaustive spatial-pixel in the universe, any moral-motivation, any physical law etc. throughout its 'past', 'present' and 'future/s'\*- 'Supra-Spatial-Temporal Reservoir' USCF's; Finally, the Universal Consciousness Reality's 'Free-Will Hypothesis' arises from:*
- i) *Universal Consciousness Reality's "Good-Will" Hypothesis: a basic postulate asserting the essential "good", "benevolent", "life-giving" impulse of this singular Universal Consciousness Reality – i.e., to create, sustain and evolve all inanimate, animate: plants, animals and human-beings, and lead them towards ever more expansive expression and manifestations of its inherent Universal Consciousness Reality... it is herein hypothesized*

that there exists a "primal" 'Good-Will ' Motivation of this singular Universal Consciousness Reality to 'create'- ('dissolve')- re-create' and 'evolve'- the entire physical universe as a growing manifestation of its intrinsic motivation to manifest increasingly expansive expressions of its basic Moral, Universal Consciousness nature – i.e., at each and every exhaustive spatial-pixel comprising any 'past', 'present' or 'future/s'\* USCF's frames, i.e., including its accelerated increase in the number of spatial-pixels comprising each of its consecutive USCF's frames (being presented) and towards its evolutionary manifestations of increasingly expansive 'inanimate', then 'animate': plants, animals, humans – and leading up to the fully "expanded" "Individual Human Consciousness' Universal Consciousness State"...

We thus discover an entirely new "motivation" underlying the singular Universal Consciousness Reality's arrangement of "Ten-Propensity Laws" organized according to a given 'Hierarchy of Laws' (listed above); These 'Ten-Propensity Laws' of the singular Universal Consciousness Reality address the "Why" question underlying the continuous computation- "dissolution"- re-creation- and evolution- of the entire physical universe at each consecutive (minimal time point ' $c^2/h' = 1.45^{42}$  sec!') USCF's frame/s;

### III. "G-D'S PHYSICS" REVISION OF RT & QM MODELS

Hence, the "starting-point" for this Theoretical Review of the CUFT's "G-d's Physics" New 'ACC' Paradigm – which goes "beyond" the Standard Model, alongside its complete unification of "space", "time", "energy" and "mass" begins with an overview of its fundamental revision of both RT and QM: As mentioned above (and previously), both RT and QM are based upon (an implicit) "Material-Causal" assumption wherein it is assumed that it is the direct physical interaction between any given relativistic ('space-time' or 'energy-mass') 'phenomenon' and a given relativistic 'observer' which "causes" (or determines) the specific values of that relativistic 'phenomenon'; More concretely, we see in the case of General Relativity the direct physical interaction between given "massive objects" and "Space-time" is assumed to "cause" a curvature of this Space-Time; and conversely that it is this "curved Space-time" which "causes" those (and other non-massive) objects to travel in particular "travelling pathways"... Likewise, QM possesses an equivalent "material-causal" (implicit) assumption which assumes that it is the direct physical interaction between a given subatomic 'probe' element and a corresponding subatomic 'target's probability wave function' – which "causes" the "collapse" of this wave function into a singular (complimentary) space-energy' or 'time-mass' measured value;

But, since according to the CUFT's new 'ACC' Paradigm the UCP simultaneously computes all exhaustive spatial pixels in the universe (for each consecutive UF's frame/s), therefore the new ACC Paradigm negates the very possibility of the existence of any such 'material-causal' physical relationship/s, - e.g., either between the relativistic 'massive objects' and the 'curvature of space-time (or converse determination of the 'travelling pathways of such massive objects' as 'caused' by this 'curved space-time'); Instead, the new ACC Paradigm posits that the entire universe is computed simultaneously by the singular (higher-ordered) Universal Computational/Consciousness Principle which computes- "dissolves"- re-computes- and evolves- every exhaustive spatial pixel in the universe at the incredible rate of " $c^2/h' = 136^{45}$  sec"!

Indeed, one of the unique (and elegant) characteristics of the CUFT's New 'ACC' Paradigm of 21<sup>st</sup> century Theoretical Physics is its portrayal of the four basic physical features of 'space', 'energy', 'mass' and 'time' – not as "separate" (or "independent") entities, but rather as different manifestations of the same singular Universal Computational/Consciousness Principle computation of the degree of "change" (consistency) or "lack of change" ('inconsistency') relating to either the entire UF's "frame" or to a particular "object"; Interestingly, RT somewhat unified between 'space' and 'time' (as a four dimensional continuum) and between this 'space-time' continuum and 'mass' (e.g., which "curves" space-time). RT also managed to demonstrate the equivalence of energy and mass (e.g., through Einstein's famous  $E = Mc^2$  formula); Conversely, QM correlated between the two Uncertainty Principle's "complimentary-pairs" of "space" and "energy", "mass" and "time"... Nevertheless, for the most part those four basic physical features remained "separate" and somewhat aloof of each other in 20<sup>th</sup> century 'Material-Causal' Paradigm of both RT and QM (and their apparent conception by these two RT and QM 'pillars' of Modern Physics remained disparate).

In contrast, the CUFT's new 'ACC' Paradigm discovered an entirely new, fully integrated conceptualization of these four basic physical features – which (for the first time) portrays them as integrated complimentary features of the UCP's singular (simultaneous) computation of each exhaustive spatial pixel in the universe. We call this new singular higher-ordered conception of the physical universe "G-d's Physics" –perhaps contrary to the popular name of the Higgs-Boson particle as the "G-d particle", because it represents an alternative to the current "Material-Causal" Paradigm underlying both RT and QM: 'G-d's Physics' refers to the notion that contrary to the Old Material-Causal Paradigm of 20<sup>th</sup> century Physics RT & QM which assumed that the physical universe is enacted, originated, and evolved merely based on direct physical interactions between given subatomic particles or





between massive objects curving space-time etc.; 'G-d's Physics' postulates that the origin- "dissolution"-sustenance- and evolution- of every exhaustive spatial pixel in the universe (e.g., as well as of its entirety) is dependent solely based on the singular higher-ordered Universal Consciousness Reality (UCR) which manifests (and simultaneously computes) every exhaustive spatial pixel in the universe "during" each consecutive UF's frame/s, and solely exists (i.e., without the presence of a physical universe) 'in-between' any two consecutive UF's frames (as previously described by two of the CUFT's theoretical postulates: the 'Computational Invariance Principle' and the 'Universal Consciousness Reality').

#### IV. THE NEW CUFT'S ACC PARADIGM'S NEGATION OF THE 'STANDARD MODEL'

Intriguingly, the discovery of the CUFT's New ACC Paradigm sheds a completely new "light" upon the plethora of subatomic particles outlined by Physics Standard Model – i.e., in fact "negating" its current conception due to its reliance upon the Old 'Material-Causal' Paradigm's (basic) assumption; This is because the Old 'Material-Causal' basic assumption assumes that it is the direct physical interaction of any two (or more) given 'x' and 'y' entities (e.g., in the case of the Standard Model: subatomic particles) – which "causes" a certain change in those (or other) particles identity (or values);

As shown earlier, this can be formalized as:

SROCS:  $PR_{\{x,y\}} \rightarrow \text{not 'y'}$

As mentioned earlier (and previously), one of the primary (initial) theoretical postulates of the CUFT, namely: the computational 'Duality Principle' asserted that such SROCS computational Systems inevitably leads to both an apparent "logical inconsistency" and ensuing "computational indeterminacy" – which is contradicted by the capacity to determine the "existence" (and values) of any given set of subatomic particles; indeed, this led to the discovery of the singular (higher-ordered) Universal Computational/Consciousness Principle which simultaneously computes every exhaustive spatial pixel in the universe, e.g., with each consecutive UF's...

Indeed, it is this discovery of the singular (higher-ordered) Universal Computational/Consciousness Principle (UCP) which directly negates the current Standard Model's conception of the existence-sustenance- and (assumed) physical interactions between the given set of subatomic particles: This is because since this singular UCP simultaneously computes all exhaustive spatial pixels in the physical universe (for each minimal time-point consecutive UF's frame/s), therefore there cannot exist any direct physical interaction between any two (or more) exhaustive spatial pixels comprising any single- or multiple- UF's frame/s.

Therefore, the CUFT's discovery of the Universal Computation/Consciousness Principle directly negates the current Standard Model's conception of three (out of four) basic nuclear forces: this is because all three forces assume that there exists a (continuous) physical interaction between particular subatomic particles which rally- or transmit- the specific force:quarks, leptons the case of the Weak force, electrically charged particles in the case of the Electromagnetic force; quarks, gluons or hardons in the case of the Strong force! Note that the Standard Model fails to account for the fourth force of Gravitation (as described by General Relativity Theory) as well as of the empirically observed accelerated expansion of the physical universe (e.g., currently assumed to be "caused" by the purely theoretical concepts of "dark-matter" or "dark-energy" – which have never been empirically observed and were negated by the CUFT's new ACC Paradigm!) Significantly, both of these "missing-links" in the Standard Model or indeed more generally "problematic" within the context of both RT and QM (and the intrinsic "contradiction" that exists between these two pillars of 20<sup>th</sup> century Physics) – have been successfully incorporated and embedded within the new CUFT's ACC Paradigm's ('G-d's Physics');

But, if as the CUFT's new ACC Paradigm asserts there cannot exist any (direct) physical interactions between any two (or more) exhaustive spatial pixels existing either in the same- or different-UF's frames, then the basic "Material-Causal" assumption underlying the current 'Standard Model' (e.g., as well as RT and QM as outlined above and demonstrated previously) is negated! This means that the four fundamental forces of nature (e.g., governing all nuclear composition and interactions) – must be accounted for through the alternative (higher-ordered singular) operation of the Universal Computational/Consciousness Principle's (UCP) computation- "dissolution"- re-computation and evolution- of every exhaustive spatial pixel in the universe (e.g., at each consecutive UF's frame/s); Indeed, the principle theoretical negation of the existence of any hypothetical 'material-causal' physical relationships either at the Relativistic or Quantum computational level manifested through the CUFT's new ACC Paradigm's challenging (and negation) of some of the most fundamental assumptions and tenets of both RT and QM: thus, it was previously shown that several of RT's basic tenets are negated by this new CUFT's ACC Paradigm, such as its assumption that the entire physical universe originated in an initial nuclear 'Big-Bang' explosion , as well as its assumption that the continuous evolution of the universe progresses through Einstein's Equations (e.g., describing a dynamic interaction between certain "massive objects" which are assumed to "cause" a "curvature" of "space-time", and conversely that this "curved space-time" "causes" any "massive" (or "non-massive") object to travel in particular

"travelling-pathways"). This is simply because if the UCP simultaneously computes all exhaustive spatial pixels in the physical universe (for each consecutive UF's frame/s) then there cannot exist any direct 'material-causal' physical interaction between any two (or more) exhaustive spatial pixels at any single or multiple UF's frame/s, which therefore negates both the possibility of the existence of an (initial) 'Big-Bang' nuclear explosion "causing" the production of "space," "mass," "energy" etc. , or indeed the postulated existence of 'material-causal' physical relationships between 'massive objects' – as "causing" the 'curvature of space-time' or of such 'curved space-time' "causing" any given massive or non-massive objects' 'travelling pathways'. Similarly, this principle negation by the CUFT's new ACC Paradigms of the existence of any such 'material-causal' physical relationships between any two (or more) exhaustive spatial pixels in the universe (for any single or multiple UF's frames) was also shown to negate the purely hypothetical concepts of "dark-matter" and "dark-energy", i.e., as "causing" the empirically observed accelerated expansion of the physical universe; Likewise, this new CUFT's ACC Paradigm challenged QM's assumed "collapse" of the subatomic "target's" (assumed) probability wave-function as "caused" by its direct physical interaction with another subatomic "probe" element.

## V. THE "CINEMATIC-FILM METAPHOR" REVISITED: SINGULAR "UCR" COMPOSITION

But, perhaps in order to best comprehend 21<sup>st</sup> century Physics' New 'A-Causal Computation' (ACC) Paradigm (associated with the CUFT) let us revert back the "Cinematic-Film Metaphor" which was utilized (multiple times) to explicate some of the key features of the CUFT through the usage of a (standard) "cinematic film progression" (i.e., despite the existence of some major differences between this 'Cinematic-Film Metaphor' and its analogous production of each exhaustive spatial pixel in the universe by the UCP's computation of the extremely rapid series of UF's frame/s); As explained previously, the 'Cinematic-Film Metaphor' likens the UCP's computation of each exhaustive spatial pixel's four basic physical features of 'space', 'time', 'energy' and 'mass' to the "computation" that can be carried out to compute any cinematic film object's four equivalent physical features (of "space", "energy", "space" and "time"); This is because if we were to "compute" a given film's (given) object's say "energy" value we would simply calculate that object's degree of "displacement" relative the entire "frame" across a given series of UF's. Likewise, we could compute a given object's "spatial dimensions" based on a calculation of the degree of "consistency" of that object's spatial localization (relative to the entire 'frame' - across a series

of UF's). So we can see that at least in the example of the 'Cinematic-Film Metaphor' the computation of those two (basic) physical features of 'space' and 'energy' can be calculated based on the degree of 'consistency' (e.g., "lack of change") or 'inconsistency' ("change") in that object's spatial localization relative to the entire Universal Frame's dimensions (across a series of film-frames). Similarly, this 'Cinematic-Film' Metaphor explains the two other basic physical features of 'mass' and 'time' as derived from the Universal Computational/Consciousness Principle's (UCP) computation of the degree of "consistency"/ "inconsistency" in a given object's constituting exhaustive spatial pixels: if we were to produce a certain film setting such that the number of times that a particular object is presented "consistently" (e.g., in the same manner in terms of its constituting spatial pixels across a series of UF's frames) computes its "boldness" (which would be equivalent to its "mass" value); and conversely if we were to compute its "time" (temporal) value based on the degree of "inconsistency" (change) in its constituting exhaustive spatial pixels – we could easily see that such computational measure would correspond to that object's "time-passage" value (e.g., since when there are no "changes" observed in a given object across a series of UF's frames that object's time-value decreases or may even be "halted" altogether!)

Indeed, it was previously shown in what manner this 'Cinematic-Film Metaphor' may represent the CUFT's depiction of the UCP's continuous computation of each of those four basic physical features of 'space' and 'energy' or 'mass' and 'time'; essentially, the CUFT's new 'ACC' Paradigm postulates that the singular UCP simultaneously computes those four basic physical features for each exhaustive spatial pixel in the universe for each consecutive UF's frame/s, based on the UCP's two (out of three) Computational Dimensions , e.g., of 'Framework' (frame/object) and 'Consistency' (consistent /inconsistent). The key point to be emphasized (here) is that due to the CUFT's new 'ACC' Paradigm insistence that there cannot exist any 'material-causal' physical relationships between any two (or more) exhaustive spatial pixels in the universe (at any minimal time-point UF's frame/s), therefore the usage of this 'Cinematic Film Metaphor' may assist us in further elucidating the true (singular) nature of the singular Universal Consciousness Reality underlying- computing- dissolving- re-computing- and evolving- each exhaustive spatial pixel in the universe: This is because when we take into account:

- a) The CUFT's 'A-Causal Computation' (ACC) Paradigm which asserts that there cannot exist any direct physical interaction between any two (or more) exhaustive spatial pixels comprising any single or multiple UF's frames, i.e., due to the simultaneity of the UCR's computation of all exhaustive spatial pixels comprising the entire

- physical universe for each consecutive UF's frame/s; and
- b) The fact that "in-between" any two consecutive UF's frame/s the entire physical universe "dissolves" back into the singular Universal Consciousness Reality (UCR); and that therefore there cannot exist any "material-causal" relationships between any two (or more) exhaustive spatial pixels across different UF's frames!
- c) And the CUFT's 'Computational Invariance Principle' and associated 'Universal Consciousness Reality' theoretical postulates – which assert that since it is only the Universal Consciousness Principle (UCP) which remains "constant" (e.g., "computationally invariant") both "during" its computation of each exhaustive spatial pixel's four basic physical features (of 'space', 'time', energy' and 'mass') in the universe comprising every consecutive UF's frame/s and also "in-between" any two consecutive UF's frame/s, whereas those four basic physical features (comprising every exhaustive spatial pixel in the universe for each consecutive UF's frame/s) exist only "during" each consecutive UF's frame/s but "dissolve" (back into the singularity of the UCP) "in-between" any two consecutive UF's frame/s – therefore the Computational Invariance Principle asserts that only the UCP may be regarded as 'computationally-invariant' (constant) whereas the four basic physical features (comprising every exhaustive spatial pixel in the universe) may only be regarded as 'computationally-variant', i.e., "transient" and "phenomenal"... In fact, the 'Universal Consciousness Reality' goes one further step to postulate that since only the Universal Consciousness Principle (UCP) may be regarded as 'computationally-invariant' (e.g., existing constantly without change) whereas the four basic physical features comprising every exhaustive spatial pixel in the universe can only be regarded as "transient" and "phenomenal" (computationally variant); and based on the fact that it is only the singular UCP which (simultaneously) computes those four basic physical features associated with every exhaustive spatial pixel in the universe (for each consecutive UF's frame/s); therefore the Universal Consciousness Reality asserts that there only exists one singular "Universal Consciousness Reality" (UCR) which manifests in every exhaustive spatial pixel in the universe – "during" each consecutive UF's frame, and solely exists (without the presence of any physical universe) "in-between" any two consecutive UF's frames!

The above mentioned 'Cinematic-Film Metaphor' can aid us in gaining a better (more "lucid") understanding of the singularity of the UCR – and its consequent negation of the existence of any "material-causal" physical relationships between any two (or

more) exhaustive spatial pixels (existing in any single or multiple UF's frame/s); this is because by examining the intricate dynamics of the 'Cinematic-Film Metaphor' – i.e., on a pixel to pixel basis (for each single UF frame or across multiple UF's frames) we can clearly see that there cannot exist any "real" "physical" or "material" interaction/s between any two (or more) exhaustive spatial pixels existing either in the same- or different-UF's frame/s! This is simply because any two such exhaustive spatial pixels existing in the same UF's frame are presented simultaneously so that they cannot "affect" each other in the same UF frame in which they are presented! Likewise since there exists a "blank-light" in between any two consecutive UF's frames, there cannot be any transference of any "physical effect" or any "material-causal

## VI. A NEW CONCEPTION OF THE NATURE'S FORCES, PARTICLES & STANDARD MODEL

This new ACC conception of each consecutive UF's frame/s and all of its constituting exhaustive spatial pixels – not as a "solid" "objective" or "constant" physical reality, but rather as only a manifestation of the singular underlying Universal Consciousness Reality (UCR) us – compels us to significantly alter our conception and understanding of the basic constituting "particles" and even basic "forces" in nature: if indeed, each exhaustive spatial pixel in the universe exists only "phenomenally" for an incredibly short period of time (e.g., " $c^2/h$ " =  $1.36^{45}$  sec) of any single UF's frame; and if indeed all of those exhaustive-spatial pixels are computed *simultaneously* (for each consecutive UF's frame) by the singular UCP then this implies that there cannot exist any "physical interaction" (e.g., not to speak of the existence of any "material-causal" relationship/s) between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frame/s! Moreover, the only "transient" and "phenomenal" nature of each exhaustive spatial pixel – i.e., including any "material" "particle", wave, quantum or relativistic entity or even "force"- which exists only "during" each consecutive UF's frame, but ceases to exist "in-between" any two consecutive UF's frames profoundly alters our basic understanding of the physical reality, and calls for a fundamental reevaluation of the singularity of the Universal Consciousness Reality which is seen to constitute the only constant and "real" reality... This is because we can no longer relate to any "electron", "proton", "Muon", "quark" etc. particles as a "solid" and "constant" physical entities – but only as "transient-phenomenal" manifestations of the singular Universal Consciousness Reality! Moreover, this new conception of the singular (higher-ordered) UCR as underlying and manifesting all apparently quantum subatomic particles, waves, elements etc. or relativistic objects, phenomena etc. apparently undermines- and negates- even the very existence of any of the four (or

other) "forces" and "phenomena" which imply the existence of any "material-causal" physical interaction/s between any two (or more) exhaustive spatial pixel/s in the universe: Thus, for instance when we wish to examine any one of the four basic assumed four "forces" in the Standard Model we must come to the inevitable conclusion that none of these (four) "forces" can (truly) exist, e.g., neither any of its associated specific subatomic particles;

This is because for any of these three basic (assumed) "forces" to operate there must exist a particular physical interaction between any (two or more) quantum subatomic or relativistic entities; More specifically, in the case of each of these three (assumed) forces there is a direct physical interaction between two (or more) particles which represents the operation of a given particular "force";

But, if indeed according to the CUFT's new 'ACC' Paradigm (of 21<sup>st</sup> century Theoretical Physics) there cannot (in principle) exist any direct physical interaction between any two (or more) exhaustive spatial pixels in the universe – at any single or multiple UF's frames (not "in-between" any two consecutive UF's in which the entire physical universe "dissolves" back into the singularity of the UCR), then we must conclude that each of these (three assumed) physical forces – must be negated according to the CUFT's new 'A-Causal Computation' (ACC) Paradigm!

Indeed, the "Paradigmatic-Shift" represented by this new ACC Paradigm challenges and revises some of the basic tenets of the Old 'Material-Causal' Paradigm underlying both Relativity Theory and Quantum Mechanics – as well as the "Standard Model", e.g., with its multifarious elementary particles and three basic (assumed) forces governing the behavior of the physical universe; It is important however to note that this new 'ACC' Model does not negate the plethora of empirical physical phenomena described by RT and QM, but rather points at an alternative singular higher-ordered explanation which unifies, embeds and indeed transcends the constraint of both RT and QM: The basic theoretical postulates of the CUFT's new ACC Paradigm recognizes the existence of a singular (higher-ordered) 'Universal Consciousness Reality' which simultaneously computes the four basic physical features of 'space', 'time', 'energy' and 'space' at very exhaustive spatial pixel in the physical universe for each consecutive UF's frame (e.g., at the incredible rate of " $c^2/h = 1.36^{50}$  sec!<sup>!</sup>). The major point to be emphasized is that according to this new ACC Paradigm, those four basic physical features represent different combinations of two (of its three) 'Computational Dimensions' of 'Framework' (frame/object) and 'Consistency' (consistent/inconsistent); In this sense, the four basic physical features of the physical reality are seen as different (secondary computational) by-products of the singular Universal Consciousness Principle (UCP) – and are hence

completely unified through the UCP's (previously mentioned) 'Universal Computational Formula' (UCF):

When we take into consideration the CUFT's (abovementioned) further theoretical postulates of the 'Computational Invariance Principle' and 'Universal Consciousness Reality' which evince that those four (fully integrated) physical features (of 'space', 'time', 'energy' and 'mass') merely represent "phenomenal-transient" (computationally-variant) manifestations of the singular Universal Consciousness Reality (UCR) which exists ("computationally-invariant") both "during" its computation of each consecutive UF's frame/s and also solely exists "in-between" any two consecutive UF's frames (without the presence of any physical universe!); then we arrive at an entirely different and profound understanding of the physical cosmos – i.e., as representing only a "transient-phenomenal" manifestation of the singular "constant-invariant" Universal Consciousness Reality! Indeed, this (exciting) New 'ACC' Paradigm completely alters our basic conception of any "material-entity/phenomenon", e.g., subatomic particle, wave, relativistic object, 'space', 'time', 'energy' and 'mass' or any of the three assumed physical forces etc. as representing only 'transient-phenomenal' manifestations of the singular UCR, which also includes its "Supra-Spatial-Temporal Reservoir" of all "past", "present" and "future/s"- UF's... This is because once we realize that the only "solid", "constant" or "permanent" reality is the UCR's 'Supra-Spatial-Temporal Reservoir' of all 'past', 'present' or 'future/s' UF's frames – including its "transient-phenomenal" computation of the series of all consecutive 'past', 'present' or 'future/s' consecutive UF's frame/s (including all exhaustive spatial pixels comprising the entire physical universe for each UF's frame/s); then this alters our basic conception and understanding of all constituent elements, particles, relativistic or quantum features and even the very "fabric" of the entire physical universe as comprised of the four basic physical features of 'space', 'time' 'energy' and 'mass': The New ACC Paradigm revolutionizes our basic understanding of the entire physical cosmos – from the most fundamental quantum array of subatomic particles to the largest relativistic effects (e.g., including its challenging of the 'Big-Bang' Model), in that it revises our basic "material-causal" assumption wherein the basic constituents of the physical reality are "material" or "physical" elements which exists independently (and constantly) and that the origin- sustenance- and evolution- of the entire physical universe may be explained in this manner; Instead the new ACC Paradigm proclaims that the origin- "dissolution"- sustenance- and evolution- of every exhaustive spatial pixel comprising the entire physical universe is continuously being operated through the singularity of the Universal Consciousness Reality (UCR) and that any physical phenomenon – including the existence of any



quantum subatomic particle or force etc. or of any relativistic object, gravity, "curvature of space-time" – is only "transient" and "phenomenal", truly representing different manifestations of this singular UCR reality!

In this manner, the CUFT's new ACC Paradigm was shown previously capable of explaining the origin of the entire physical reality—not as "caused" by an initial "Big-Bang" nuclear explosion but rather as being continuously computed- "dissolved"- re-computed- and evolved- for each exhaustive spatial pixel in the universe. Likewise, the continuous accelerated expansion of the universe was shown to be brought about – not due to any (purely hypothetical) "dark-matter" or "dark-energy", but rather based on the operation of the (singular higher-ordered) "Universal Consciousness Principle" which adds an accelerated number of exhaustive spatial pixels to each consecutive UF's frame/s; Similarly, contrary to General Relativity's Einstein's Equations conception of the dynamic evolution of the universe as derived from massive objects' "curvature of Space-Time"and conversely this "curved Space-Time's" determination of the "traveling pathways of massive objects; the new ACC Paradigm asserts that the continuous evolution of the entire physical universe can only be derived from the ongoing and continuous computation- "dissolution"- re-computation- and evolution- of each and every exhaustive spatial pixel in the universe by the singular (higher-ordered) Universal Consciousness Principle (UCP) for each consecutive UF's frame/s;Therefore, the ACC negates the very possibility of the existence of any "material-causal" physical relationships between any two (or more) exhaustive spatial pixels existing either in the same- or different- UF's frame/s – instead pointing at the singular (simultaneous) computation of each exhaustive spatial pixel/s comprising any single or multiple UF's frame/s through the UCP's three Computational Dimensions (e.g., 'Framework' ['frame' or 'object'], 'Consistency' ['consistent' or 'inconsistent'] and 'Locus' ['global' or 'local']). Specifically, the CUFT's new 'ACC' Paradigm asserts that the UCP's computation of the four basic physical features of 'space' and 'energy' or 'mass' and 'time' for each exhaustive spatial pixel in the physical universe (at every minimal time-point UF's frame/s) are computed simultaneously through the UCP's computation of two of its three (abovementioned and previously delineated) 'Computational Dimensions' of 'Framework' – 'consistent' ('space') or 'inconsistent' ('energy'), or of 'Object' – 'consistent' ['mass'] or 'inconsistent' ['time'];

## VII. THE NEW "G-D'S PHYSICS" "EXPANSIVE- NON-CAUSAL" ACC PARADIGM

However, since it was recently shown that this singular UCP simultaneous computation of all exhaustive spatial pixels in the universe depends upon

the "Ten Hierarchical Laws of Manifestation" (described previously) – i.e., such as (for instance) the dependency of the UCP's (simultaneous) computation of each exhaustive spatial pixel in the universe for each given single UF's frame upon the higher-ordered "UCP's Supra-Spatial-Temporal Reservoir" Laws of Manifestation which contains all "past", "present" and "future" UF's frames; therefore the new CUFT's ACC Paradigm brings about a fundamental "metamorphosis" in our basic understanding of the origin- sustenance- ("dissolution"-) and "evolution-" of every exhaustive spatial pixel in the universe (as well of the entire physical universe): this is because whereas the old "Material-Causal" Paradigm (e.g., underlying both Relativity Theory and Quantum Mechanics) assumed that any relativistic ('space-time', 'energy-mass') "phenomenon" or quantum ('space-energy' or 'mass-time') subatomic particle can be explained based on the direct physical interaction between a given relativistic observer and the given 'phenomenon' or between the subatomic 'probe' and 'target' elements the new 'ACC' Paradigm postulates that it is only due to the singular operation of the (higher-ordered) UCP which simultaneously computes all exhaustive spatial pixels' four basic physical features, that the entire physical universe is continuously created (computed), "dissolved"- re-computed- and evolved- with every consecutive UF's frame/s! And since this continuous computation- dissolution- and re-computation (and evolution-) of each exhaustive spatial pixel in the universe by the singular UCP (simultaneously) is anchored- and in fact dependent- upon those 'Ten Laws of Manifestation'; therefore the explanation of the behavior, existence, dynamics, evolution etc. of any particular (single or multiple) exhaustive spatial pixel/s in the universe – or in fact of the entire evolution and dynamics of the whole physical universe may only be truly accounted for through those Ten-Laws of Manifestation!

Indeed, this entirely new ACC Paradigm's computational approach for explaining any relativistic or quantum phenomenon, particle, object, law (or "force") – not as arising from any "material-causal" physical interaction between any two (or more) exhaustive spatial pixels, but rather as instigated by the UCP's 'Ten Hierarchical Laws of Manifestation'; i.e., which are each explained by- and motivated through- its immediate higher-ordered Law, so that the "lowest-rung" of the UCP's (simultaneous) computation of each exhaustive spatial pixel's four basic physical features (of 'space' and 'energy', or 'mass' and 'time') through the UCP's two Computational Dimensions (of 'Framework' and 'Consistency' four possible combinations as described above and previously) needs to be explained by its Nine higher-ordered Laws of Manifestation! This represents an entirely new "Expansive Non-Causal ACC Paradigm" computational perspective which seeks to explain each exhaustive spatial pixel in the universe and all of its

relativistic or quantum four physical features, e.g., representing the Tenth Law of Manifestation (of the UCP's simultaneous computation of each exhaustive spatial pixel's four basic physical features) solely through its Nine higher-ordered Laws of Manifestation... Obviously, this new "Expansive Non-Causal ACC Paradigm" signifies almost a 180 degrees diametrically opposed theoretical direction to the Old 'Material-Causal' Paradigm (of RT and QM) – as it points at the need to anchor- and explain- every physical (quantum or relativistic) phenomenon, law or effect based on its Nine Hierarchical Laws of Manifestation, i.e, as opposed to the Old 'Material-Causal' Paradigm's innate tendency to "break-down", "fragment" and explain any physical phenomenon based on its (lower-ordered) constituting elements' direct physical interactions...

### VIII. GOD'S PHYSICS GOES BEYOND THE STANDARD MODEL - A SINGULAR 'UNIVERSAL CONSCIOUSNESS REALITY' UNIVERSE

Indeed, this brings us perhaps to the gist of this article's significant advancement in our basic revision and transcendence of the current "Standard-Mode" of Physics, i.e., as explained by a set number of elementary particles and the "three forces" assumed to operate upon these elementary "building-blocks" of the material universe: as explained above, the new ACC Paradigm negates the very possibility of the existence of any "material-causal" physical interactions (or relationships) between any two (or more) exhaustive spatial pixels (e.g., existing either in a single or multiple UF's frames) – i.e., due to the simultaneity of the UCP's computation of all exhaustive spatial pixels in the universe (for each individual consecutive UF's frame)! But, this means that we cannot (any longer) consider the possibility of the existence of any kind of "force" or physical interaction between any two (or more) exhaustive spatial pixels (existing either at a single UF frame or indeed across different UF's frames – as stated above and previously because the entire physical universe and all of its constituent exhaustive spatial pixels "dissolve" 'in-between' any two consecutive UF's frames)! Therefore, according to the new ACC Paradigm the current Standard Model's basic assumption regarding the existence of the three basic forces of nature has to be challenged and revised, and the fourth Gravitational force (of Relativity Theory has to be integrated)! This is simply because each of these particular forces assumes the existence of a particular set of elementary particles which interact physically and "cause" the transmission of the specific force – but, as stated above if indeed there cannot exist any such direct "material-causal" physical interaction between any of these (particular) elementary particles, then we must negate the existence of these (three) basic forces;

But, if these three basic forces "do not exist" – due to the new ACC Paradigm's insistence that there cannot exist any "material-causal" physical interaction between any two (or more) exhaustive spatial pixels (at any single or multiple UF's frames), then how does this new ACC Paradigm account for the empirical effects observed associated with these four (apparent) basic forces (including Gravity)? More broadly, this question relates to the new ACC's alternative explanation of all quantum and relativistic laws, forces, particles and phenomena etc.: As explained previously (and above), the new ACC Paradigm accounts for both Relativistic and Quantum Effects based on the UCP's simultaneous computation of all exhaustive spatial pixels in the universe for each consecutive UF's frame/s, which gives rise to the appearance of such relativistic effects as the curvature of 'space-time' by "massive objects", or the appearance of the "collapse" of QM's assumed "probability wave function"; Thus, for example it was previously elaborated in what manner does the UCP's computation of "massive" objects – which are defined as "object-consistent" pixels or regions of space (e.g., across a series of UF's frames), when contrasted to "low-mass" signifying a low "object-consistent" presentations of a given set of pixels (region in space) give rise to the appearance of the "curvature of space-time" around those 'massive objects' and conversely Einstein's Equations' assertion regarding the "traveling pathways" of such 'massive' or 'non-massive' objects as "caused" by this curvature of space-time). Likewise, the new ACC Paradigm explained the "collapse" of QM's assumed "collapse of the target's probability wave function" as "caused" by its direct physical interaction with another subatomic "probe" element – as representing no other than a single spatial –temporal "particle" measurement embedded within the broader 'multi spatial-temporal wave' conceptualization, which (in turn) is embedded within the exhaustive Universal Frame/s (UF's) computation of the UCP for each minimal time-point consecutive UF's...

More generally, the ACC new Paradigm asserts that based on the above mentioned (and previous) discovery of the 'Computational Invariance Principle' and 'Universal Consciousness Reality' theoretical postulates we reach the inevitable conclusion that there truly exists only one "computationally-invariant" Universal Consciousness Reality (UCR) which exists both "during" each consecutive UF's frame/s – as solely computing each exhaustive spatial-pixel's four basic physical features (comprising the entire physical universe at each consecutive UF's frame/s), and also exists singularly- i.e., without the presence of any physical universe "in-between" any two consecutive UF's frames; therefore, the entire physical universe (e.g., and all of its constituting exhaustive spatial pixels' four associated physical features) merely represents a "phenomenal-transient" ('computationally-variant') manifestation of this



singular UCR, which constitutes the sole and singular reality which exists uniformly and constantly (invariantly) both 'during' and 'in-between' any two consecutive UF's frame/s! This new discovery of the singularity of the UCR is important and significant also per our current discussion of the new alternative ACC Paradigm's account for the four basic forces in nature: This is because once we understand that that there cannot exist any 'material-causal' physical interaction between any two (or more) exhaustive spatial pixels in the universe (existing either in the same- or different- UF's frame/s), thereby negating the very possibility of the existence of any of those (four) "forces"; we must then recognize the singular UCR reality that solely exists both 'during' each consecutive UF's frame/s – and in fact singularly produces any exhaustive spatial pixel/s, e.g., including any apparent "elementary particle" or any apparent "force", as well as solely exists 'in-between' any two consecutive UF's frames!

As a matter of fact, this recognition of the sole reality of the UCR – e.g., with any such 'elementary particle' or 'force' appearing 'during' any given single or multiple- UF's frame/s, but "dissolving" back into the singularity of the UCR 'in-between' any two consecutive UF's frame/s teaches us an important "lesson" regarding the only "apparent" "phenomenal-transient" existence of any subatomic (elementary or other) 'particle', 'wave', 'force' etc.: based on the abovementioned 'Computational Invariance Principle' and 'UCR' theoretical postulates of the CUFT, we must accept the ACC's new Paradigm's conception of the entire physical universe (and every exhaustive spatial pixel constituting it) as existing only as a "transient-phenomenal" manifestation of the singular UCR reality! This implies that the real "building-blocks" of the universe cannot be any of the Standard Model's "elementary particles" nor can it include its three (assumed) "forces" – but instead, the sole source that computes- "dissolves"- re-computes- and evolves- every exhaustive spatial pixel in the universe is the singularity of the UCR reality – i.e., which was also shown to integrate and transcend the Gravitational force (as a manifestation of the UCP's simultaneous computation of all exhaustive spatial pixel in the universe)!

How (then) are we to conceive of the plethora of elementary particles, and the multifarious quantum apparent subatomic "particles", and corresponding apparent four "forces" – which have been hitherto utilized to explain the existence and dynamics of the subatomic as well as relativistic physical reality? Well, we hereby offer a dual level explanation (e.g., the 'second' level already explained above):

a) The abovementioned (and previous) explicit assertion advanced by the 'Computational Invariance Principle' and its ensuing 'Universal Consciousness Reality' CUFT's theoretical postulates points at the only "phenomenal-transient"

standing of each exhaustive spatial pixel/s in the universe (e.g., "computationally-variant") – relative to the "computationally-invariant" stance of the singular Universal Consciousness Reality (UCR); Nevertheless, the CUFT's Universal Computational Formula (UCF, previously delineated) does describe the manner in which this singular UCR computes each exhaustive spatial pixel's four basic physical features:

*Universal Computational Formula (UCF):*

$$\left[ \frac{c^2}{h} \right] = \frac{s}{t} \cdot \frac{e}{m} ,$$

Noteworthy is this UCF's (Relativistic & Quantum) Representations' replication (and transcendence) of all major RT and QM laws and relationships, e.g., including the 'Mass-Energy Equivalence' and Heisenberg's 'Uncertainty Principle' 'Complimentary Pairs' accuracy constraint.

As can be seen clearly from the UCF, the Universal Computational/Consciousness Principle (UCP) simultaneously computes the four basic physical features of 'space' (s), 'time' (t), 'energy' (e) and 'mass' (m) for each exhaustive spatial pixel in the universe (for each consecutive UF's frame/s)! Moreover, note that there exists close computational relationships between those four (integrated) physical features (as can be seen from the two 'Relativistic' and 'Quantum' Formats of the UCF:

- I) Relativistic Representation:  $e \times \underline{s} = m \times \underline{c}^2$
- II) Quantum Representation:  $t \frac{m \underline{c}^2}{h} = s \cdot e$

Hence, the novel conclusion that we derive in this article (in this context) is that this UCP's continuous computation of those four basic physical features for each exhaustive spatial pixel in the universe – as pertaining to the (currently acceptable) "Standard Model" explicates a "new-light" upon their (only 'transient-phenomenal') physical features: It is hereby suggested that each exhaustive particle in the universe – i.e., including the (partial) list currently described in the Standard-Model bears those (integrated) computational relationships between these basic physical features (of 's', 't', 'e', and 'm')! Specifically, it is hypothesized that if we are to examine each of the Standard Model's say "mass" and "energy" values, we will find that they precisely conform to the computational relationships depicted by the UCF between them:

As a matter of fact, this fine (integrated) computational relationship between any (elementary) particle – and its mass value can be

explicitly derived from the UCF's Relativistic Representation (above and previously):  
Relativistic Representation:  $e \times s = m \times c^2$

from this Relativistic Representation of the UCF we can derive a direct computational relationship between "energy" and "mass"

$$e = \underline{m} * \frac{c^2}{s}$$

It is therefore postulated that a close examination of the "mass" and corresponding "energy" value of each of the discovered elementary particles constituting the "Standard Model" will yield a compatibility to the Universal Computational Formula (UCF) (e.g., above Relativistic Format).

- b) Nevertheless, as delineated above (and previously), the CUFT's new ACC Paradigm's novel realization that the physical universe (e.g., or any of its constituent exhaustive spatial pixels) cannot be accounted for based on any 'material-causal' interaction between any two (or more) exhaustive spatial pixels (existing either in the same- or different- UF's frames); But rather that it is only through the singular existence of the UCR which computes- "dissolves"- re-computes- and evolves- every exhaustive spatial pixel in the universe for every consecutive UF's frame/s it produces; And that due to the abovementioned (and previous) discovery of the UCP's "Ten Hierarchical Laws of Manifestation" – i.e., which postulate that the appearance of the "lowest-rung" UCP's simultaneous computation of each exhaustive spatial pixel (in any consecutive UF's frame/s) – is completely dependent upon its "premier" (immediately higher-ordered) 'Law of Manifestation'; we reach a completely new ACC understanding wherein it is realized that the existence of any subatomic particle or relativistic phenomena is entirely dependent upon the UCP's continuous computation- "dissolution"- re-computation- and evolution- of each exhaustive spatial pixel in the universe for each consecutive UF's frame/s, which is executed based on the UCP's three Computational Dimensions, e.g., out of which the two 'Framework' and 'Consistency' are key – giving rise to the four integrated physical features of 'space and energy' or 'mass and time' (representing correspondingly: 'Framework' – 'consistent' vs.'inconsistent', and 'Object' – 'consistent' vs.'inconsistent' computational combinations); the UCP's simultaneous computation of these four integrated basic physical features is computed (for each exhaustive spatial pixel in the universe at each consecutive UF's frame/s) based on the UCP's Universal Computational Formula (UCF): Hence, all of the elementary particles depicted in the 'Standard-

Model' and their particular computational relationships (for instance) between "mass" and "energy" can be derived from this UCF. Moreover, it is hypothesized that all existent particles in nature should conform to this unique computational integrated relationship/s postulated by the UCF (i.e., including some yet un-discovered particles!)

We thus obtain a new ACC Paradigm understanding of the whole physical universe – as being continuously computed- "dissolved"- re-computed- and evolved- simultaneously for each exhaustive spatial pixel (at each consecutive UF's frame/s) by the singularity of the Universal Consciousness Reality (UCR) – which gives us the appearance of a "phenomenal-transient" universe; we can therefore regard the entire physical universe as merely a ('phenomenal-transient') manifestation of this singular underlying 'Universal Consciousness Reality' which appears as the physical universe "during" its computation of each successive UF's frame and solely remains, e.g., without the presence of the physical cosmos "in-between" any two consecutive UF's frames. Nevertheless, when we come to describe this 'phenomenal-transient' aspect of this singular UCR reality, the new ACC Paradigm explains Relativity Theory (RT) Quantum Mechanics (QM) – and now also the basic "Standard Model" of Physics in an entirely new manner: first and foremost, it was demonstrated that due to the ACC Paradigm's negation of the possibility of the existence of any 'material-causal' physical relationships between any two (or more) exhaustive spatial pixels (constituting either the same- or different- UF's frames) the ACC Paradigm challenges and revises the basic 'material-causal' assumption underlying RT, QM and the Standard Model! Essentially, this new 'A-Causal Computation' (ACC) Paradigm asserts that the entire universe is being produced simultaneously at each of its exhaustive spatial pixels for each consecutive UF's frames solely based on the UCR's computation- "dissolution"- re-computation- and evolution- of each exhaustive spatial pixel's three basic Computational Dimensions (e.g., especially Framework and Consistency whose four Framework/Object – consistent /inconsistent combinations gives rise to the four 'space'/energy' or 'mass'/time' basic physical features). Indeed, one of the fascinating new discoveries associated with this new ACC Paradigm of Physics (delineated in the current article as well as in the recent previous articles) stems from the CUFT's discovery of the 'Ten Hierarchical Laws of Manifestation' which point at the complete dependency of the "lowest-rung" UCP's Universal Computational Formula (UCF) simultaneous computation of the four basic physical features of 's', 'e', 'm' and 't' (based on the two abovementioned Computational Dimensions) – upon the nine high-ordered Hierarchical Laws of Manifestation; Indeed, one of the profound changes brought about by the CUFT's new 'ACC' Paradigm is the current article's discovery of



the "ACC Expansive Non-Causal" computational direction – which explains any physical phenomenon based on its higher-ordered UCR related Ten Laws of Manifestations (e.g., rather than based on the old 'Material-Causal' Paradigm 's reliance on the direct physical interactions between any relativistic 'space-time', 'energy-mass' phenomenon and corresponding relativistic observer or between any given subatomic 'target' probability wave function and corresponding probe element – which were negated through the UCP's simultaneous computation of all exhaustive spatial pixels in the universe for each single- or multiple- UF's frames).

Last (but not least), it should be noted that this new 'G-d's' Physics perspective offered by the CUFT's ACC Paradigm also completely integrates and transcends the four basic physical features of 'space', 'time', 'energy' and 'mass' (as well as was previously shown to resolve the principle theoretical inconsistency between RT and QM and unify them within the UCP's UCF); Unlike RT which unified between space and time (as a four dimensional space-time continuum), and connected between "massive objects" as "curving space-time" (and vice versa "curved space-time determining the travelling-pathways of massive objects"), and discovered the equivalence of Energy and Mass ( $E = Mc^2$ ); and QM's discovery of Heisenberg's Uncertainty Principle's "complimentary pairs" of "space and energy" or "mass and time" which are constrained by a simultaneous measurement accuracy limit (of Planck's constant); the new CUFT ACC Paradigm completely unifies between these four basic physical features of 'space and energy', 'mass and time' – as representing merely secondary computational combinations of the singular UCP's UCF integrated simultaneous computation of each exhaustive spatial pixel in the universe for each consecutive UF's frame/s! As indicated above, this novel (and elegant) computational perspective of the CUFT's new ACC Paradigm adopts a dual-level approach towards explicating the "mechanics" and "transient-phenomenal reality" of the physical universe: a) from a concrete physical level it revises- and transcends- Physics current 'Standard Model' based on the UCF's computational relationship between any given subatomic particles' "mass" and "energy" values; nevertheless, from a higher-ordered perspective, it recognizes the entire physical universe (and all of its constituting particles, phenomena occupying all exhaustive spatial pixels in the universe at each consecutive UF's frame/s) – as merely representing a "transient-phenomenal" appearance of the singular Universal Consciousness Reality!

Even though Relativity Theory unraveled the "Energy-Mass Equivalence" ( $E = Mc^2$ ), still for the most part "energy" and "mass" are seen as two distinct physical features which possess certain potential (Energy-Mass) equivalences but remain as "separate", "distinct" physical features; More generally, it may be

said that the Old "Material-Causal" Paradigm of 21<sup>st</sup> century Theoretical Physics fails to unify between these four basic physical features of "space", "time", "energy" and "mass": as stated, Relativity Theory managed to unify between "energy" and "mass" ( $E=Mc^2$ ), and between "space" and "time" as a four-dimensional "Space-time" continuum. It also managed to elucidate the dynamic interactions that exists between this 'Space-time' which is "curved" by "mass", and converse effect of this "curved Space-time" as "causing" massive and non-massive objects to travel in particular travelling pathways, as described by General Relativity's "Einstein's Equations". In Quantum Mechanics there is a further description of the connection between Heisenberg's Uncertainty Principle's "Complimentary Pairs" of "energy" and "space", or between "mass" and "time" (e.g., as constrained by a simultaneous measurement accuracy constraint). But, there still lacks a basic unification of those four fundamental physical features of 'space', 'time', 'energy' and 'mass' – i.e., one that would hold true, consistent and unitary across both Quantum and Relativistic realms.

Indeed, the scope and purpose of this article is to affect precisely such a complete unification of Relativity Theory and Quantum Mechanics as embedded, integrated and transcended- by the singular (higher-ordered) Universal Computational/Consciousness Reality – which would also completely integrate between those four basic physical features of 'space' and 'energy', 'mass' and 'time' as secondary computational by-products of the singular Universal Consciousness Reality's simultaneous computation of every exhaustive spatial pixel in the universe (at every minimal time-point successive Universal Frame's – i.e., at the incredible rate of " $c^2/h = 1.36^{-50}$  sec!")

*Dedication:*

This article is dedicate to all those 'true Scientists' whose earnest quest to find 'Truth', the real "Reality" is so strong (and dear) that they do not hesitate to reexamine their former "cherished" conditioned conceptions of "truth", "science" and the "physical reality"... May Humanity go on marching onwards and upwards, fearless and fierce – in its True Quest for Truth, Justice, Love and Peace – stemming from the (inevitable) discovery of the one singular Universal Consciousness Reality which constitutes, embeds and transcends all distinctions and "separations"... Special thanks to my beloved mother, Dr. Tirza Bentwich who believed in me and encouraged me to pursuit Truth and Justice and embodied in her being (and life) such pure genuine love and concern to other suffering human-beings, and to my precious pure beloved wife Shulamit Bentwich who makes all of the difference in my life and allows me to bring out this unique "Computational Unifying Field Theory" to the world, and to my two beloved sons Shoham and Netanel and daughter Neomi-TirzaShulamit.

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