

A New Science: An Infinite Omniscient Dynamic-Equilibrium Universal Consciousness Reality

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Abstract

Twenty-First Century Theoretical Physics is undergoing a major “Paradigmatic-Shift” from Relativity’s and Quantum Mechanics’ “Material-Causal” Old Paradigm to the ‘Computational Unified Field Theory’s’ new “A-Causal Computation” Paradigm; The CUFT’s A-Causal Computation Paradigm revises our basic understanding of the origin- sustenance- and evolution- of the entire physical universe as produced by a singular higher-ordered “Universal Consciousness Principle” which computes every exhaustive spatial pixel/s throughout the entire physical universe at every minimal time-point (e.g., “ c^2/h ”) comprising an extremely rapid series of “Universal Simultaneous Computational Frames” (USCF’s). Due to this Universal Consciousness Principle sole production of each USCF’s frame/s (with the four physical features of ‘space’, ‘time’, ‘energy’ and ‘mass’) and its sole existence “in-between” any two consecutive USCF’s frame/s (without the presence the physical universe) the singular existence of a “Universal Consciousness Reality” is recognized; This singular ‘Universal Consciousness Reality’ is shown to be characterized by both a “Dynamic-Equilibrium” moral-based principle which it ties with an Infinite “Supra-Spatial-Temporal Reservoir” and “Multiple-Futures”! Finally, this Universal Consciousness Reality also possesses an infinite Omniscient knowledge of all “past”, “present” and “future” exhaustive spatial-pixels comprising the entire physical cosmos, thereby significantly revising Gödel’s Incompleteness Theorem and a replacement of Hilbert’s (failed) “Mathematical Program” – with a new “Universal Consciousness Reality’s Omniscient-Program”!

Keywords: Quantum Mechanics; Unified Field Theory; Dynamic Equilibrium; Superfluous

Abbreviations: CUFT: Computational Unified Field Theory; QM: Quantum Mechanics; RT: Relativity Theory; TOE: Theory of Everything; USCF’s: Universal Simultaneous Computational Frames; SROCS: Self-Referential Ontological Computational System; UCP: Universal Computational Principle; IHCESH: Individual Human Consciousness Expansive Spectrum Hypothesis; UCF: Universal Computational Formula; UCIP: Universal Consciousness Inseparability Principle

Introduction

A Paradigmatic Shift in 21st Century Science

Twenty-First Century Science is currently undergoing a major “Paradigmatic-Shift” from the old “Material-Causal” Paradigm underlying the two pillars of Modern Theoretical Physics towards a new “Universal Consciousness’ A-Causal Computation” Paradigm; As indicated by Kuhn’s [1] famous analysis of the “Structure

of Scientific Revolutions”, such a Paradigmatic-Shift is warranted whenever Science (or any of its sub-disciplines) reaches a state of basic “Theoretical Inconsistency” and is also characterized by its inability to account for a series of “Unexplained Phenomena”: Indeed, Modern Physics has reached such a state of ‘Theoretical Inconsistency’, e.g., wherein its two primary pillars namely: Relativity Theory (RT) and Quantum Mechanics (QM) Born [2], Heisenberg [3], Giacosa [4] seem contradictory of each other and there also exist a series of ‘Unexplained Phenomena’ with perhaps the most glaring one being: Physics inability to account for up to 90% of all of the mass and energy in the physical universe, termed: “Dark Matter” and “Dark-Energy”!? Fortunately, a new successful ‘Theory of Everything’ (TOE) named: the ‘Computational Unified Field Theory’ (CUFT) Bentwich [5-24] has been discovered over the past five years which was shown capable of resolving this apparent Theoretical Inconsistency between RT and QM and also provides a new satisfactory theoretical framework that dispels “Dark-Matter” and “Dark-Energy” as “superfluous” (i.e., non-existent!) and indeed opens up entirely new “horizons” for Physics (and more generally Science’s) further development and understanding of the physical cosmos as a manifestation of a singular higher-ordered ‘Universal Consciousness Reality’. Importantly, this new CUFT has received initial validation as a satisfactory TOE based on empirical validation of one (of its three) “differential-critical predictions” which differentiate it from the corresponding predictions of both RT and QM associated with the 1 discovered “Proton-Radius Puzzle” [25].

The essence of this new ‘Universal Consciousness Reality’s A-Causal Computation’ Paradigmatic Shift is that it negates the possibility of the existence of any direct or indirect physical interactions between any subatomic ‘probe’ and ‘target’ elements (e.g., nor the currently assumed ensuing “collapse of the target’s probability wave-function”), or between any relativistic ‘observer’ and any (space-time’ or energy-mass’) ‘phenomenon’! This negation of any ‘Material-Causal’ physical interaction (e.g., at either the relativistic or quantum levels) is derived from the discovery of a singular (higher-ordered) Universal Consciousness Principle (represented by the Hebrew letter “Yud”: “י”) which computes simultaneously all exhaustive spatial-pixels comprising the entire physical universe at every minimal time-point (“ $c^2/h = 1.56^{-42}!$ ”) which constitute a (single) ‘Universal Simultaneous Computational Frame’ (USCF), thereby giving rise to an extremely rapid (“ $c^2/h = 1.56^{-42}!$ ”) series

of USCF’s frames which produce- sustain and evolve- the entire physical cosmos.

Indeed, it is due to this simultaneity of this Universal Consciousness Principle’s (UCP) computation of all exhaustive spatial pixels in the entire physical universe (at every minimal time-point USCF’s frame/s that no such ‘material-causal’ relationships can exist between any two (or more) exhaustive spatial-pixels within the same USCF frame (comprising both relativistic and quantum levels); Hence, the UCP’s computation of the entire physical universe at any minimal time-point is regarded as: an ‘A-Causal Computation’ new Paradigm in Theoretical Physics.

It should also be noted that this UCP’s ‘A-Causal Computation’ also postulates that “in-between” any two consecutive USCF’s frames there exists only the Universal Consciousness Principle – which has led to two of the CUFT’s profound theoretical postulates termed: the ‘Computational Invariance Principle’ (which somewhat resembles “Ockham’s Razor’s” general scientific principle) and its associated ‘Universal Consciousness Reality’: The ‘Computational Invariance Principle’ asserts that since only the Universal Consciousness Principle remains both “during” the USCF’s frames as solely computing the four basic physical features of ‘space’, ‘time’, ‘energy’ and ‘mass’ for each exhaustive spatial-pixel within each USCF frame, and also solely exists “in-between” any two consecutive USCF’s frames (i.e., without the presence of these four physical features comprising the physical universe), whereas those four physical features exist only “during” the USCF’s frames (as solely produced by this Universal Consciousness Principle) but not “in-between” them, then only the Universal Consciousness Principle may be regarded as “constant”(e.g., termed: “computationally-invariant”), whereas these four physical features may only be regarded as “transient” and “phenomenal” (e.g., “computationally-variant”), as a mere manifestation of the singularity of the Universal Consciousness Principle! Indeed, the ‘Universal Consciousness Reality’ theoretical postulate explicitly states that there exists only one singular unchanging reality – both “during” the Universal Consciousness Principle’s production of the USCF’s frames and “in-between” any two subsequent USCF’s frames, which is this Universal Consciousness Principle which is termed: the ‘Universal Consciousness Reality’ – with the entire physical cosmos being only a manifestation of this singular Universal Consciousness Reality!

Indeed, the CUFT's discovery of the singular Universal Consciousness Reality and its simultaneous computation of every exhaustive spatial pixel comprising the physical universe brought about a basic 'A-Causal Computation' Paradigmatic Shift in Theoretical Physics and recently also shown to instigate an equivalent Paradigmatic Shift in Logic-Mathematics! This is because if indeed the four basic physical features of 'space', 'time', 'energy' and 'mass' comprising each and every exhaustive spatial-pixel of the entire physical universe is solely computed- (at every minimal time-point USCF's frame/s) "dissolved" ("in-between" any two consecutive USCF's frames), reproduced- and evolved- solely by this singular Universal Consciousness Reality, then this brings about a profound and basic change in our conception of the entire physical cosmos – merely as a ('transient', 'phenomenal') manifestation of this singular Universal Consciousness Reality! Consequently, the basic assumptions associated with the old (abovementioned) 'Material-Causal' Paradigm of Relativity Theory and Quantum Mechanics were shown to be challenged- and revised- by this new Universal Consciousness Reality 'A-Causal Computation' simultaneous computation of every exhaustive spatial-pixel in the universe.

The "Universal Consciousness Reality's Omniscient-Program"

Indeed, the Paradigmatic Shift brought about by the Computational Unified Field Theory's (CUFT) new 'A-Causal Computation', e.g., based on the discovery that the singular Universal Consciousness Principle simultaneously computes all exhaustive spatial-pixels in the entire physical universe (at any minimal time-point USCF's frame/s) which negates the possibility of the existence of any "material-causal" physical relationship/s between any two (or more) physical elements (at either relativistic or quantum levels) – was also recently shown to call for an equivalent Paradigmatic-Shift in the (other) Deductive Logical-Mathematical branch of Science [5-24]. This was due to the realization that based on the fact that there cannot exist any such 'material-causality' relationship/s between any two (or more) exhaustive physical spatial-pixels comprising either the same- or different- USCF's frames e.g., including through the operation of any (hypothetical) "computing-device" (such as the human brain or any hypothetical computer or other computing device) – then this negates the existence of any Logical-Mathematical System; this is simply because any (hypothetical) Logical-Mathematical System is necessarily based on "Mathematical-Causality", e.g., wherein a given set of 'Assumption/s' leads to a certain 'Conclusion/s' –

which is (once again) negated by the impossibility of the existence of any such 'Material-Causality' due to the Universal Consciousness Principle's simultaneous computation of all exhaustive spatial-pixels in the universe at any minimal time-point USCF's frame/s!

The key point to be emphasized is that the discovery of the Universal Consciousness Reality's simultaneous computation of any exhaustive spatial-pixel in the entire physical universe (e.g., at any minimal time-point USCF's frame/s) negated the possibility of the existence of any 'Mathematical-Causal' relationship/s and consequently any 'Logical-Mathematical System'! However, in stark contrast to 'Gödel's Incompleteness Theorem' (GIT) which essentially "stumped" Logic-Mathematics as "incompetent" of producing any consistent-finite Logical-Mathematical (i.e., and by extension asserted the impossibility of basing the whole of Science upon any finite Mathematical System), the discovery of the CUFT's new 'A-Causal Computation' simultaneous computation of any exhaustive spatial pixel/s in the universe (at any minimal time-point USCF's frame/s) points at an entirely new "Omni-present", "Omniscient" characteristics of this singular 'Universal Consciousness Reality': this is because since this (singular) 'Universal Consciousness Reality' exists both "during" each USCF's frame/s (as solely producing- sustaining- and evolving- any exhaustive spatial pixel/s comprising each of these USCF's frame/s) and also solely exists "in-between" any two consecutive USCF's frames (i.e., without the presence of any physical universe!), therefore this singular Universal Consciousness Reality was shown to necessarily also possess "Omni-present, Omniscient" characteristics; Thus, the complete contingency- of any exhaustive spatial-pixel/s in the entire physical universe (e.g., its computation- sustenance- and evolution-) upon this 'Universal Consciousness Reality' brought about the inevitable recognition that this singular Universal Consciousness Reality is "Omni-present" and "Omniscient" with regards to any exhaustive hypothetical spatial pixel/s and any associated computation of any (hypothetical) 'Mathematical-Relationship' (or Logical-Mathematical System)!

Therefore, in contrast to GIT's assertion that it is not possible (in principle) to construct any finite consistent Logical-Mathematical System which could serve as the basis for all Deductive and Inductive Science, the (recent) discovery of the Universal Consciousness Reality's 'Omni-Present' and 'Omniscient' characteristics leads us towards seeking an alternative (exhaustive) "Universal Consciousness Reality Omnipresent-Omniscient Program"

– i.e., capable of “knowing” and “presenting” any exhaustive spatial-pixel/s in the entire physical universe (e.g., in the “past”, “present” or “future”) including any possible or hypothetical Deductive or Inductive relationship/s or phenomena! Indeed, despite this ‘Universal Consciousness Reality’s Omnipresent-Omniscient Program’ seemingly “presumptuous” aim, it will be shown (herein) that such an exhaustive objective merely outlines the inevitable conclusion derived from the very existence of this singular Universal Consciousness Reality’s (previously discovered) ‘Omni-present’, ‘Omniscient’ characteristics: The key point to be realized is that based on the (already accepted) Paradigmatic Shift brought about by the Computational Unified Field Theory’s ‘Universal Consciousness Reality’ – i.e., wherein it was recognized that since only this ‘Universal Consciousness Principle’ represents a “computationally-invariant” element (e.g., which exists both “during” each USCF’s frame/s as solely computing the four basic physical features of ‘space’, ‘time’, ‘energy’ and ‘mass’ associated with each exhaustive spatial-pixel/s in the universe at any minimal time-point as well as solely exists without the presence of any physical universe “in-between” any two consecutive USCF’s frame/s), whereas those four basic physical features (of space, time energy and mass) were shown to represent “computationally variant” properties (due to the fact that they only exist “during” each USCF’s frame/s as solely produced by this singular Universal Consciousness Principle but cease to exist “in-between” any two consecutive USCF’s frames): it was recognized that (in truth) there only exists one singular ‘Universal Consciousness Reality’ which exists both “during” each USCF’s frame/s (e.g., solely producing each of its exhaustive spatial pixels) and also solely exists “in-between” any two consecutive USCF’s frames (e.g., without the presence of the entire physical universe);

Indeed, viewed from this new (exhaustive) perspective of the singularity of the Universal Consciousness Reality, e.g., which solely underlies the only “transient” and “phenomenal” characteristic of the entire physical universe, the entire physical universe, e.g., including every exhaustive spatial pixel/s comprising it only exists as a manifestation of this singular Universal Consciousness Reality (but does not exist as a “separate” and “independent reality” apart from this singular Universal Consciousness Reality which solely computes every exhaustive spatial-pixel/s comprising this entire physical universe!

Therefore, when we take into consideration the (recently discovered) ‘Omni-present’ and ‘Omniscient’

characteristic of this singular Universal Consciousness Reality – i.e., as solely comprising- and “cognizing”- each and every exhaustive spatial pixel in the entire physical universe (at any minimal time-point USCF’s frame) we arrive at this Universal Consciousness Reality’s basic exhaustive computational framework – which solely (and singularly) produces all possible (hypothetical) exhaustive spatial pixels of the cosmos (in the “past”, “present” and “future”)! This exhaustive production of every possible spatial pixel/s in the entire physical universe at any (‘past’, ‘present’ or ‘future’) minimal time-point USCF’s frame/s may be represented through the previously stipulated Universal Computational Formula: Universal Computational Formula:

$$\forall \{c^2/h\}USCF's^{**}[i.infinity] = s * t/e^*m$$

Note: [**] wherein each USCF’s frame/s comprises of all exhaustive spatial pixels in the entire physical universe at any given minimal time point (e.g., c^2/h).

The striking theoretical conclusion arising from this Universal Computational Formula is that there cannot exist any hypothetical spatial-pixel in the entire physical cosmos which is not solely computed- sustained- evolved- and “cognized”- by this singular Universal Consciousness Principle (i.e., in the “past”, “present” or “future”)! But this implies that any hypothetical exhaustive spatial pixel in the entire universe is “known” and is “presented” solely by this Universal Consciousness Reality – i.e., including any “computing mechanism” such as our human brain; However, since none of these exhaustive spatial pixels comprising the entire physical universe “exist” – “in-between” any two consecutive USCF’s frames (but only this singular Universal Consciousness Reality which exists “invariantly” both “during” each USCF’s frame as solely producing all of its exhaustive spatial pixels, and also solely exists without any physical universe “in-between” any two USCF’s frame/s), then we must reach the inevitable theoretical conclusion that the only permanent and continuous element that produces- sustains- evolves- and cognizes- each and every exhaustive spatial pixel in the entire physical universe, as well as any hypothetical deductive Logical-Mathematical Relationship/s is this singular Universal Consciousness Reality!

We therefore reach the profound theoretical conclusion that this singular ‘Omni-present, Omniscient Universal Consciousness Reality’ is capable of “knowing” every possible deductive or inductive phenomena or relationship/s that can exist within the series of USCF’s frames (e.g., which it solely and singularly produces)!

Hence, the discovery of this singular 'Omnipresent, Omniscient Universal Consciousness Reality' leads us to the formulation of a new 'Universal Consciousness Reality Program' – which replaces GIT's failing of Hilbert's "Mathematical Program" to base the whole of Science upon a finite Logical-Mathematical System: This is because whereas GIT indicated that it is not possible to construct a finite consistent Mathematical System that can be proven from within itself – the CUFT's Duality Principle's and associated Universal Consciousness Reality evinced the singularity of the Universal Consciousness Reality – i.e., as solely producing-sustaining- evolving- and "cognizing" any exhaustive spatial pixel in the entire physical universe (at any minimal time-point USCF's frame/s)! As such, the discovery of the Universal Consciousness Reality forces us to recognize that any empirical inductive or deductive phenomenon or relationship/s can only be "produced-" "sustained-" or "known-" by this 'Universal Consciousness Reality', thus (in effect) asserting the validity of the 'Universal Consciousness Reality Program' which is solely capable of cognizing (and resolving) any Inductive phenomenon or Deductive Logical-Mathematical Relationship (or enigma!)

The Universal Consciousness Reality's "Infinite Omniscient Supra-Spatial- Temporal Reservoir"

Indeed, this singularity of the Universal Consciousness Reality which is the sole reality that "cognizes" and "presents" each exhaustive spatial-pixel in the physical universe, e.g., and is therefore deemed as "Omni-present" and "Omniscient" regarding every exhaustive spatial-pixel comprising the physical universe (e.g., at any minimal time-point USCF's frame/s) was recently discovered [5-24]. The surprising new development discussed here is that given such 'Omni-present', 'Omniscient' characteristics of this singular Universal Consciousness Reality it (in fact) opens very significant new horizons for Scientific Inquiry (and knowledge), e.g., in both its Inductive and Deductive realms: This is because (as demonstrated in the previous article) if indeed, each and every exhaustive spatial pixel in the entire physical universe (e.g., at every minimal time-point USCF's frame/s) is solely produced- sustained- and evolved-solely and singularly by this Universal Consciousness Reality then any "existent" or "potential" exhaustive spatial pixel/s in the cosmos – i.e., in the "past"- "present"- or "future"- is solely "knowable"(omniscient) or "producible" (omni-present) by this singular Universal Consciousness Reality!

Indeed, precisely in the same manner that this Universal Consciousness Principle has been shown to be solely responsible for the origin- sustenance- and indeed the evolution and accelerated expansion- of the entire physical universe (and every exhaustive spatial pixel comprising it); So, the discovery of this Universal Consciousness Reality's exhaustive 'Omni-Present' and 'Omniscient' characteristics which produces every exhaustive spatial pixel in the universe (at every minimal time-point USCF's frame/s), e.g., in the "past", "present" or "future"(i.e., including any hypothetical computational mechanism such as the human brain or any computing device whose operation must necessarily be associated with any such exhaustive spatial-pixel/s); forces us to accept anew far-reaching (inevitable) theoretical conclusion: wherein there cannot exist any piece of information, or any hypothetical inductive or deductive element, phenomenon or knowledge – i.e., in the "past", "present" or "future" which is "not-knowable" by this "Omni-present, Omniscient Universal Consciousness Reality"!

The next (inevitable) theoretical conclusion is that based on the CUFT's (previously mentioned) 'Computational Invariance Principle' and Universal Consciousness Reality postulates – since the entire physical universe does not exist "in-between" any two consecutive USCF's frames and is deemed as merely a "transient" and "phenomenal" manifestation of the sole and singular Universal Consciousness Reality; and since (as shown previously) this singular Universal Consciousness Reality exists as a "Supra Spatial-Temporal", i.e., beyond space and time as a singular whole reality; then we must also reach the inevitable conclusion that the continuous "unfolding" of this "Supra-Spatial-Temporal Omnipresent Omniscient Universal Consciousness Reality" – exists as a singular "Universal Consciousness Reservoir" which already includes all "past", "present" and "future" events, phenomena and relationships!

Perhaps, it may be helpful to utilize the (previously mentioned) 'Cinematic-Film Metaphor' in order to fully grasp the theoretical significance of this newly discovered Universal Consciousness Reality's Supra-Spatial-Temporal Reservoir!: It is hereby suggested that in the same manner in which any given Cinematic-Film is contained – in its entirety, e.g., within the DVD (or Film Roll), despite the fact that we as the observers of the film may only perceive only one frame at a time; and in the same manner that (for us as the spectators of the film being played out) the "current" film-frame represents the

“present”, the “previous” film-frames represent the “past” and the film frames that have “not yet been presented” constitute the “future” – but nevertheless all film-frames in the ‘past’, ‘present’ and ‘future’ are already contained in their entirety within the complete DVD/Film-Roll! So, it is suggested that the development and evolution of every consecutive USCF’s frame, e.g., as well as the evolution and occurrences in the entire physical universe – in the “past”, “present” and “future” are all already encapsulated within the Universal Consciousness Reality’s Supra-Spatial-Temporal Reservoir!

Indeed, this new hypothetical theoretical postulate is warranted – given all of the preceding theoretical postulates leading up to this ‘Universal Consciousness Reality’s Supra-Spatial-Temporal Reservoir: This is because we’ve already seen that based on the ‘Computational Invariance Principle’ postulate and its ensuing Universal Consciousness Reality postulate that there can only exist one singular Universal Consciousness Reality which exists “computationally-invariantly” – both “during” each consecutive USCF’s frame/s (e.g., as solely computing- sustaining- evolving and “cognizing”- each exhaustive spatial pixel comprising the entire physical universe at each such minimal time-point USCF’s frame/s!), and also solely exists “in-between” any two such consecutive USCF’s frames (e.g., without the presence of any physical universe); Then, based on this Universal Consciousness Reality’s (and Computational Invariance Principle’s) realization that the entire physical universe does not exist “in-between” any two consecutive USCF’s frames and is deemed as merely a “phenomenal” and “transient” (“computationally variant”) manifestation of the singular Universal Consciousness Reality, and the Universal Consciousness Principle’s (earlier) new ‘A-Causal Computation’ Paradigm in Theoretical Physics – i.e., which negated the existence of any “material-causal” physical interactions between any two (or more) hypothetical exhaustive spatial pixels comprising either the same- or different- USCF’s frames – the “Supra-Spatial-Temporal” characterization of this Universal Consciousness Reality was recognized the singular Universal Consciousness Reality exists as a unitary whole – beyond space and time (e.g., such as “in-between” any two consecutive USCF’s frames).

But, if indeed this singular Universal Consciousness Reality exists as a singular ‘Supra-Spatial-Temporal’ unitary whole beyond space and time, e.g., “in-between” any two consecutive USCF’s frames – wherein the entire physical universe is “dissolved” and is retained only in the “memory” of this Universal Consciousness Reality! And if

indeed, there cannot exist any “material-causal” physical interactions or even any ‘material-causal’ “Physical Laws” – i.e., either “during” any (single or multiple) USCF’s frame/s (due to the Universal Consciousness Reality’s simultaneous A-Causal Computation of every exhaustive spatial pixel in the universe at every minimal time-point USCF’s frame/s) or indeed “in-between” any two consecutive USCF’s frames (due to the “dissolution” of the entire physical universe “in-between” any two consecutive USCF’s frames) – then the sole explanation for the continuous unfolding- and evolution- of every consecutive USCF’s frame/s (e.g., as well as of the entire physical cosmos) may only be found based on the existence of this ‘Supra-Spatial-Temporal Universal Consciousness Reservoir, i.e., which already contains all exhaustive spatial-pixels of all “past”, “present” and “future” USCF’s frames! Once again, if we wish to utilize the (abovementioned) ‘Cinematic-Film Metaphor’: in the same manner that it would not make sense to claim that the occurrences in one film-frame “affect” the occurrences in the subsequent film-frame, but rather that all of the film-frames are already existent within the entire Film-Roll (but are presented to us the viewer’s one frame at a time); So it is suggested that the continuous production-dissolution- retention (of all previous USCF’s frame’s exhaustive spatial pixels) re-production- and evolution- of all exhaustive spatial-pixels in the entire physical universe may only be the result of this singular Universal Consciousness Reality’s Reservoir which contains all “past-“ “present” and “future” USCF’s frames!

However, it is also suggested that there exist a few important differences between the ordinary Cinematic-Film (Metaphor) and the Universal Consciousness Reality’s Reservoir (and dynamics): One of these principle differences (between the Cinematic-Film and the Universal Consciousness Reality’s Reservoir) is related to the (previously mentioned) ‘Universal Consciousness Inseparability Principle’ (UCIP) postulate which asserted that (in truth) there does not exist any real “separation” or “difference” between the Universal Consciousness Reality and what we usually perceive as our Individual Human Consciousness: This was discovered due to the fact that in one of the three Individual Human Consciousness states, namely: ‘waking’, ‘dream’ and ‘deep-sleep’ – i.e., in the “deep-sleep” state there does not exist any “separation” between the ‘Individual Human Consciousness’ and the ‘Universal Consciousness Reality’ (signified by the fact that upon awakening from this ‘deep-sleep’ state we all testify that there experienced an “undifferentiated Awareness”, e.g., synonymous to the Universal Consciousness Reality);

Indeed, based upon another (preceding) 'Ontological Relativism' theoretical postulate of the CUFT which asserted the ontological equivalence of those three states of Individual Human Consciousness (e.g., 'waking', 'dream' and 'deep-sleep'), the 'Universal Consciousness Inseparability Principle' (UCIP) postulated that since the ontological validity of these three states of Individual Human Consciousness is equivalent then the very fact that in one of these three states (i.e., 'deep-sleep') we find the identity (e.g., lack of "separation") between the Individual Human Consciousness and the Universal Consciousness – then the 'Universal Consciousness Inseparability Principle' (UCIP) postulated that in truth there does not exist any real "separation" between the apparent Individual Human Consciousness and the real singular Universal Consciousness Reality! Indeed, it is hereby suggested that this 'Universal Consciousness Inseparability Principle' (UCIP) highlights one of the principle differences between the standard 'Cinematic-Film Metaphor' and the Universal Consciousness Reality's Reservoir – since it leads to the (inevitable) recognition of the Universal Consciousness Reality's (new) "Dynamic-Equilibrium" interconnectedness!

The Universal Consciousness' "Dynamic Equilibrium Principle" & "Multiple Futures" Hypothesis

The 'Dynamic-Equilibrium Principle' states that since there only exists one singular (higher-ordered) Universal Consciousness Reality which transcends space and time and constitutes all exhaustive spatial-pixels in the universe – across all USCF's frames!; and since all apparent Individual Human Consciousness is (in truth) "inseparable" from this singular Universal Consciousness Reality (as derived from the 'Universal Consciousness Inseparability Principle'), therefore it is postulated that this Universal Consciousness Reality functions as a singular whole – aiming at a 'Dynamic-Equilibrium' wherein any Individual Human Consciousness which harms another aspect of this 'Universal Consciousness Reality' (e.g., in any particular way) necessarily brings about an "equivalent reaction" necessary to bring about a rectification of the 'Universal Consciousness Dynamic-Equilibrium' imbalance. In order to explicate this new 'Universal Consciousness Reality's Dynamic-Equilibrium Principle' perhaps a combination of the previously utilized 'Cinematic-Film Metaphor' and another (new) 'Dynamic-Trampoline-Balance Metaphor' may be helpful: Imagine a "special trampoline" whose characteristics are such that each of its constituting "pixel" is equipped with

both a "free-choice" and "mobilization and action potential", i.e., is capable of mobilizing itself to inflict a "blow" on any other (exhaustive) pixel comprising this 'special trampoline', and that the manner in which the "inflicting-blow" pixel delivers the blow to the "inflicted-pixel" is through a pin-point (precise) "pole" that connects these two ("inflicting-inflected") pixel.

To further demonstrate this new 'Universal Consciousness Reality's Dynamic Equilibrium Principle' let us elucidate another aspect of this 'special-trampoline': Imagine that the greater the blow that any such hypothetical single (exhaustive) pixel 'delivers' to any other single pixel comprising this special trampoline – relative to its baseline "tranquil-steady state" the grater this "inflicting-pixel" will "bounce back" as a result of its delivery of a blow to any other "inflicted-pixel"! In other words, if we were to imagine that one particular spatial-pixel (constituting this trampoline) exercises its "free-will" capability and "decides" to "inflict a blow" to another particular given pixel; in this case due to the "inseparability" of all the spatial-pixels comprising the same "elastic" trampoline – the greater the "blow" the 'inflicting-pixel' would decide to deliver to the "inflicted-pixel" (e.g., through their 'connecting-pole'), precisely to that degree would that pole "bounce-back" and deliver the precise same "blow" back to the 'inflicting-pixel'!

What this new 'Dynamic-Trampoline-Balance Metaphor' (combined with the previously utilized 'Cinematic-Film Metaphor') explicates is a culmination of the Universal Consciousness Reality's dual 'Supra-Spatial-Temporal' characteristic and its 'Universal Consciousness Inseparability Principle' – which manifest as the abovementioned 'Universal Consciousness Reality Dynamic Equilibrium Principle': Since the Supra-Spatial-Temporal characterization of the Universal Consciousness Reality recognized the unity of this singular Universal Consciousness – i.e., beyond space and time (e.g., encompassing and yet transcending each individual or even multiple USCF's frames) and since the Universal Consciousness Reality's Inseparability Principle asserts that each Individual Consciousness is (in truth) inseparable from the singular Universal Consciousness Reality; then it follows that each Individual Human Consciousness that may "inflict pain" upon any other part of this singular Universal Consciousness Reality violates the basic "harmonious-unity" (baseline) of this singular Universal Consciousness Reality! This may be compared to the "impossibility" of "our right hand cutting (purposefully!?) our left hand", since our whole body is one sentient being it would not inflict pain to itself (e.g., at

least in its “healthy-normal” state). Hence, in the same way this new ‘Universal Consciousness Reality’s Dynamic Equilibrium Principle’ states that the Universal Consciousness Reality constitutes one singular (sentient) whole – and that therefore any instance in which one (apparently) “separate” Individual Human Consciousness purposefully inflicts pain upon another segment of this singular Universal Consciousness Reality necessarily brings about a proportional ‘reaction’ of this singular Universal Consciousness Reality to rectify the basic “harmonious-unity” that characterizes this singular Universal Consciousness Reality.

This is where the new ‘Dynamic-Trampoline-Balance Metaphor’ may be helpful in order to explicate the “harmonious-unity” dynamics of this singular Universal Consciousness Reality: in the same manner in which any “free-willed” ‘inflicting-pixel’ in this ‘dynamic-trampoline’ (metaphor) which inflicts a ‘blow’ to any other ‘inflicted-pixel’ must experience a ‘proportionate-blow’ – i.e., “caused” by their connecting pin-point “pole”. so it may be likened to the (pin-point pole’) effect of any(apparent) Individual Human Consciousness’ volition to “inflict-pain” to any other integral part of the singular Universal Consciousness Reality: i.e., another Individual Human Consciousness (or even any other sentient-being)! Therefore, in contrast to the standard ‘Cinematic-Film Metaphor’, in which the entirety of the “Film-Roll” (e.g., including all of its “past”, “present” or “future” USCF’s frames – which are all “fixed” even prior to the presentation of the film), it is hypothesized that the ‘Universal Consciousness Reality’s (Supra-Spatial-Temporal) Dynamic-Equilibrium’ in fact points at an “interactive deposition of all “past”- “present”- and “future”-USCF’s frames based on the Universal Consciousness Reality’s Dynamic-Equilibrium principle!

Thus, to utilize the ‘Dynamic-Trampoline-Balance Metaphor’ to the extent that one particular “spatial-pixel” “chooses” to “inflict-pain” upon another spatial pixel (within the same ‘Dynamic-Trampoline-Balance’) – then precisely due to the (abovementioned) ‘Universal Consciousness Principle’s Inseparability Principle’ and associated ‘Universal Consciousness Reality’s Dynamic-Equilibrium Principle’ we must reach the inevitable conclusion that any such “Moral-Choice” (e.g., represented by the Dynamic-Equilibrium Principle) necessarily determines a corresponding ‘Dynamic-Equilibrium Response’ aiming to “balance” any such “violation” of the basic “Unitary-Balance” of the singular Supra-Spatial-Temporal Universal Consciousness Reality! Thus, in effect, we may say due to the complete possible spectrum of all

possible “Moral-Choices” of each and every (apparent) Individual Human Consciousness contained within the Universal Consciousness Reality – there exist “Multiple Futures”, i.e., whose particular “Activated Future” comprises one of an infinite number of such possible “Multiple Futures”!

Discussion

The New “Omni-present, Omniscient” Universal Consciousness Reality’s Dynamic Equilibrium Science

This article is part of the discovery and delineation of the ‘Computational Unified Field Theory’ (CUFT) Bentwich [5-24] as a satisfactory ‘Theory of Everything’ (“TOE”) Brumfiel [26], Ellis [27], Greene [28] shown capable of resolving the principle theoretical contradiction between RT and QM, resolving a series of key unresolved Physical Conundrums (which could not be explained by either RT or QM) and opens a potentially far reaching new horizon for Deductive and Inductive Science (as particularly shown in the current article). Therefore, the ‘Theoretical Ramifications’ discussed herein refer to the full spectrum of this new CUFT “TOE” in terms of its revision and evolution of our current new Scientific (Deductive and Inductive) understanding of the physical universe and reality in which we live;

Indeed, the Computational Unified Field Theory presents Science with a completely new picture of the physical universe – not any longer as governed by RT’s and QM’s “Material-Causal” Paradigm (e.g., which assumes that any relativistic or quantum physical phenomenon can be explained merely in terms of direct or indirect physical interactions between any given relativistic observer and space-time or energy-mass phenomenon or between any given subatomic probe and ‘probability wave function target’); but as computed-sustained and evolved- by a singular higher-ordered Universal Consciousness Principle which produces an extremely rapid (e.g., $c^2/h = 1.56 \cdot 10^{42}$) series of Universal Simultaneous Computational Frames (USCF’s) which comprise all exhaustive spatial pixels in the physical universe at any such minimal time point USCF’s frame/s!

This new Universal Consciousness Principle was found to exist both “during” each USCF’s frame/s (e.g., as solely computing each and every exhaustive spatial-pixel’s four basic physical features of ‘space’, ‘time’, ‘energy’ and ‘mass’) and also solely exists “in-between” any two consecutive USCF’s frames (e.g., without the existence of

any physical universe)! Indeed, this new 'A-Causal Computation' Paradigm of Twenty-First Century Theoretical Physics characterized by the Universal Consciousness Principle's simultaneous computation of every exhaustive spatial-pixel in the entire physical universe (at the incredible rate of 1.56^{42}) challenged-revised and entirely transformed- our basic conception of the physical cosmos – not as governed by Relativity's dynamic interaction between "massive" objects "curving space-time" and conversely "curved space-time" determining the "movement pathways of those massive objects", nor as operating based on the "collapse" of the "target's probability wave-function" as "caused" by its direct physical interaction with another "subatomic probe element"; But instead, this new Universal Consciousness Principle's 'A-Causal Computation' Paradigm was shown to solely produce- "dissolve" (e.g., "in-between" any two consecutive USCF's frames), re-produce- and evolve-simultaneously every exhaustive spatial-pixel in the physical universe at any minimal time-point: 1.56^{42} !

Such new picture of the entire physical cosmos brought about profound changes in our conception and understanding of the physical universe, and subsequently transformed the very scope (and definition) of Science itself (e.g., in both of its Deductive and Inductive branches)! This is because once this new Universal Consciousness Principle's 'A-Causal Computation' (simultaneous computation of every exhaustive spatial pixel in the universe) is accepted, it negated the possibility of the existence of any "material-causal" effects (or interactions) between any two (or more) exhaustive spatial pixels in the entire physical universe (e.g., either comprising the same- or different- USCF's frames)! This implied that all such 'material-causal' effects, phenomenon or even Theoretical Models have to be negated or discarded: Thus, for instance, Einstein's Big-Bang Theory which implies that the universe was "caused" by an initial extremely intense nuclear explosion – was negated (as "impossible") based on this singular Universal Consciousness Principle's simultaneous computation of each and every exhaustive spatial pixel in the entire physical universe (at every minimal time-point USCF's frame/s)!

Instead, the Universal Consciousness Principle's asserted simultaneous computation of every exhaustive spatial pixel in the physical universe explains – both the "origin" and "evolution" of the entire physical cosmos were explained as arising from the extremely rapid series of USCF's frames comprising all spatial pixels of the physical universe at any minimal time-point (USCF/s);

Likewise, a key unresolved Physical Conundrum involving 21st Century Physics' inability to account for up to 90% of all mass and energy in the physical universe, i.e., which are assumed to comprise "dark-mass" and "dark-energy" (in order to account for the observed accelerated expansion of the physical universe)- was discarded based on the same 'A-Causal Computation' of the Universal Consciousness Principle, instead discovering that this singular Universal Consciousness Principle computes every consecutive USCF's frame with an increased number of spatial-pixels! Thus, both the "origin" and "evolution" of the entire physical cosmos was shown to arise based on the singularity of the Universal Consciousness Principle's continuous simultaneous production of every exhaustive spatial pixel comprising the rapid series of USCF's – rather than as arising from any direct or indirect "material-causal" interaction taking place at either the quantum or relativistic levels.

Moreover, this discovery of the singularity of the Universal Consciousness Principle's production of the extremely rapid series of USCF's frame (e.g., simultaneously each exhaustive spatial pixel comprising any given single USCF's frame) has also led to the challenging of some of the most fundamental theoretical constraints assumed by both Relativity Theory and Quantum Mechanics, namely: the possibility to "reverse-time" (based on a utilization of either a specific electromagnetic stimulation of each and every spatial electromagnetic pixel of for instance a living organism such as an ameba across a given recorded series of that ameba's USCF's life-span series in order to reverse the sequential ordering of that ameba's "aging" cells' spatial-electromagnetic pixels' values; or based on an expanded Individual Human Consciousness postulated capability to affect every exhaustive spatial pixel in the physical universe akin to the Universal Consciousness Principle's capabilities – also in order to produce the reversed sequence of that ameba's aging electromagnetic spatial pixels)!

Another fundamental assumed theoretical constraint imposed by both RT and QM challenged- and surpassed- by the Universal Consciousness Principle's A-Causal Computation simultaneous computation of every exhaustive spatial pixel is the (abovementioned) potential ability of an "expanded" Individual Human Consciousness to function equivalently to the Universal Consciousness Principle thereby affecting instantaneously every exhaustive spatial pixel in the entire physical universe – for each single USCF's frame, or at the incredible speed of

$c^2/h = 1.56^{42}$ as pertaining to transferring any effect across a series of USCF's!

Indeed, the Computational Unified Field Theory's 'Computational Invariance Principle', e.g., pointing at the only "transient" and "phenomenal" nature of the four physical features of "space", "time", "energy" and "mass" as well as of the entire physical cosmos – which exists only "during" each consecutive USCF's frame/s but not "in-between" them, as opposed to the "computationally-invariant" (permanent) nature of the singular Universal Consciousness Principle (which exists both "during" each consecutive USCF's frame/s solely computing every exhaustive spatial pixel comprising it and its four associated physical features of 'space', 'time', 'energy' and 'mass' and also solely exists "in-between" any two consecutive USCF's frames) have led to the recognition of a singular Universal Consciousness Reality!

The significance of the discovery of this singular Universal Consciousness Reality lies in its complete transcendence of 'space', 'time', 'energy', 'mass' and "causality" – both in its sole existence "in-between" any two consecutive USCF's frames, e.g., without the existence of any physical universe, and perhaps even more significantly in its recognition of the special "Supra-Spatial-Temporal" characteristics of this singular Universal Consciousness Reality which exists (e.g., in and of itself without reference to the physical universe) and evolves the physical universe based on its own inherent qualities, i.e., such as its apparent tendency to manifest every broader- and more comprehensive- expressions of it underlying singular Universal Consciousness Reality (for example through the transition from inanimate to animate: plants, animals, human ego-consciousness and up to the full expression of human Universal Consciousness manifestation).

Finally, in this and previous articles the potential theoretical ramifications of the discovery of this singular "Supra-Spatial-Temporal and Omnipresent, Omniscient Universal Consciousness Reality" characteristics was discussed to include the realization that not only Inductive Science has to be revised based on the discovery of this Universal Consciousness Reality characterization; but also the whole branch of Deductive Logic-Mathematical Science has to be revised based on the Universal Consciousness Reality's simultaneous A-Causal Computation which negates the possibility of the existence of any Logical-Mathematical System, i.e., in and of itself "independently" of the singular Universal Consciousness Reality (on the one hand); but which

asserts that this singular Universal Consciousness Reality – due to its sole "Omni-present" and "Omniscient" production and cognition of all exhaustive spatial pixels in the entire physical universe (e.g., in the "past", "present" and "future") is capable of knowing any piece of information throughout space and time and beyond them! Indeed, a closer examination of this singular Supra-Spatial-Temporal Omnipresent Omniscient Universal Consciousness Reality pointed at a new ("Morality-based") Dynamic-Equilibrium Principle and an associated potential "Multiple-Futures" associated with different potential "Moral-Choices" enacted by Individual Human Consciousness.

Hence, the new "Omnipresent, Omniscient Supra-Spatial-Temporal Universal Consciousness Reality" Science opens up completely new perspectives for both Deductive and Inductive Science to discover its unlimited potential – based on the recent discovery of Individual Human Consciousness – i.e., as "inseparable" from this singular Universal Consciousness Reality!

Conclusion

This article addresses several important theoretical issues, arising from the discovery of the CUFT's new singular higher-ordered 'Universal Consciousness Principle' (UCP) and its associated new 'A-Causal Computation' Paradigm of Twenty-First Century Physics; First, it was shown that there is currently a Paradigmatic-Shift from 20th century Physics Old 'Material-Causal' Paradigm underlying both Relativity Theory and Quantum Mechanics to the CUFT's new 'A-Causal Computation' Paradigm which brings about a fundamental revision of our whole conception of the origin- sustenance- ("dissolution"-) and evolution- of every exhaustive spatial pixel comprising the entire physical cosmos at every minimal time-point USCF's frame/s which are being successively computed by this singular Universal Consciousness Principle.

In essence, this new CUFT's 'A-Causal Computation' Paradigm asserts that the entire physical universe is being continuously created- "dissolved-" and re-created- at every minimal time-point USCF's frame (e.g., at the unfathomable rate of " $c^2/h=1.45^{42}$ sec") by the Universal Consciousness Principle, which therefore negates Relativity's and Quantum's "material-causal" basic assumption. The ensuing picture of the physical universe is as a mere "transient-phenomenal" manifestation of this singular Universal Consciousness Reality. Consequently, General Relativity's conception of the universe as created

by a 'Big-Bang' nuclear explosion and its empirically observed accelerated expansion which is currently accounted for by a purely hypothetical "dark-matter and dark-energy" is being replaced by the CUFT's new 'A-Causal Computation' Paradigm which views the origination- "dissolution"- sustenance- and evolution- of the entire physical universe as solely governed by the operation of the singular Universal Consciousness Reality.

Interestingly, the exploration of this singular Universal Consciousness Reality's dynamics reveals that it possesses a "Universal Consciousness Reality's Supra-Spatial-Temporal Reservoir" which comprises all past-present- and even (multiple potential) future/s- USCF's frames. Moreover, given the 'Universal Consciousness Reality's Inseparability Principle' a new hypothetical Dynamic Equilibrium (Moral Principle) is postulated which hypothesizes that due to the unitary nature of this singular Universal Consciousness Reality - which produces all exhaustive spatial pixels in the physical universe (across all "past", "present" and "future" USCF's frame/s), therefore in the event that one Individual Consciousness "afflicts suffering" upon another Individual Consciousness there is an intrinsic tendency of this singular unitary Universal Consciousness Reality (e.g., of which these two apparently "separate" 'Individual Consciousness' are in fact integral and inseparable parts) to "harmonize" and "balance" this affliction of suffering such that the afflicting Individual Consciousness will have to experience an equivalent suffering to the suffering it afflicted upon the other Individual Consciousness... Finally, the article addresses another theoretical implication of the CUFT's discovery of the Omniscient-Omni-present Universal Consciousness Reality as singularly creating- sustaining- "dissolving"- and evolving- all past, present and future/s USCF's frames, indicating that since this singular Universal Consciousness Reality computes all exhaustive spatial pixels in the physical universe including all neuronal spatial pixels and their corresponding Mathematical representations, then a revision Hilbert's Mathematical Program with an alternate Universal Consciousness Program based on the Universal Consciousness Reality's cognition of all possible "past", "present" and "future" Mathematical representations.

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