Introduction

Twenty-First Century Physics is undergoing a major Paradigmatic Shift from the old Material-Causal Paradigm to the New 'A-Causal Computation' Paradigm of the new 'Computational Unified Field Theory' (CUFT) [1-20]; Indeed, the purpose of this last article within this Special Issue is to elucidate the characteristics of the CUFT's new 'A-Causal Computation' Paradigm – as it pertains to the whole of Science, e.g., including both Deductive and Inductive Science; The principle difference between the Old 'Material-Causal' Paradigm and the New 'A-Causal Computation' Paradigm (of the CUFT) is anchored in the A-Causal Computation Paradigm's insistence that all exhaustive spatial pixels comprising the entire physical cosmos are computed simultaneously by the singular Universal Consciousness Reality every \( c^2/h = 1.45-42 \) second! The discovery of this new 'A-Causal Computation' Paradigm of the CUFT contrasts with- and in fact negates- the Old 'Material-Causal' Paradigm underlying both Relativity Theory and Quantum Mechanics; this is because this (new) 'A-Causal Computation' Paradigm negates the very possibility of the existence of any "material-causal" physical relationship/s between any two- (or more-) exhaustive-spatial pixels across the entire physical universe, e.g. either at any given single or multiple USCF's frame/s or "in-between" each two consecutive USCF's frames This is simply due to the fact that since the very existence of every exhaustive spatial pixel comprising the entire physical cosmos – is produced- "dissolved"- re-produced- sustained- and evolved- by the singular Universal Consciousness Principle at each minimal time-point USCF's frame/s(\( c^2/h = 1.45-42 \) second!) then there cannot exist any "causal" interaction between any two exhaustive hypothetical pixels throughout the entire physical universe at any USCF's frame/s or indeed "in-between" them(wherein the entire physical universe "dissolves" back into this singular Universal Consciousness Principle).

Hence, the whole of both Inductive and Deductive Science has to undergo a profound Paradigmatic Shift, e.g., from the old 'Material-Causal' Paradigm to the new 'A-Causal Computation' Paradigm which asserts that there cannot exist any hypothetical "cause and effect" physical relationship/s between any two (or more) hypothetical spatial-pixels in the entire universe at any single or multiple USCF's frame/s (or indeed "in-between" any two consecutive USCF's frames in which the entire physical cosmos "dissolves" back into the singularity of the Universal Consciousness Reality!) Instead, the CUFT's new 'A-Causal Computation' Paradigm asserts that there exists only one singular "cause" for the origination-"dissolution"- re-production- sustenance- and evolution- of each and every exhaustive spatial pixel in the universe which is only the existence of the Universal Consciousness Reality! This basic revision- and transcendence- of the whole of (Inductive and Deductive) Science based on the discovery of the CUFT's singular Universal Consciousness Reality's new 'A-Causal Computation' Science was shown in the case of several key Models and Assumptions of 20th Century Physics such as: the revision of Physics' (current) "Big-Bang Theory", negation of the (purely hypothetical concepts of) "Dark-Matter" and "Dark-Energy", revision of Einstein's General Relativity (Equations) and of the "Second Law of Thermodynamics"; In the case

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of the 'Big-Bang' Theory, the CUFT's new 'A-Causal Computation' Paradigm negated the Big-Bang' postulate that the whole universe originated in a singular 'nuclear explosion' – due to the 'A-Causal Computation' Paradigm's insistence upon the Universal Consciousness Principle's simultaneous computation of all exhaustive spatial-pixels in the physical universe, e.g., for each minimal time-point USCF's frame/s: \( c^2/h=1.45^{-42} \) This is simply because given this Universal Consciousness Reality's simultaneous computation of each and every exhaustive spatial pixel/s in the universe (for each single or multiple USCF's frame/s), there cannot exist any 'material-causal' physical interaction/s between any two (or more) exhaustive spatial pixels across the entire physical cosmos at any (single or multiple) USCF's frame/s! Moreover, based on the CUFT's new 'A-Causal Computation' Paradigm's conception of the Universal Consciousness Reality's (singular) origination- "dissolution"- sustenance- and evolution- of all exhaustive spatial-pixels in the physical universe across a series of USCF's frames, e.g., with the "dissolution" of all of those exhaustive spatial pixels comprising the entire physical cosmos at every minimal time-point USCF frame/s \( (c/ h=1.45^{-42}) \); the new 'A-Causal Computation' Paradigm negates the possibility of the 'transference' of any such 'material-causal' entities, interactions or effects between any exhaustive-spatial pixels comprising any given USCF's frame/s and any subsequent USCF's frame/s! This implies that there could not have existed any 'material-causal' physical interaction/s – either within the first initial 'Big-Bang' USCF frame/s exhaustive spatial pixels, or between any of these exhaustive spatial pixels comprising the first 'Big-Bang' USCF's frame and any subsequent USCF's frame's exhaustive spatial pixels, thereby negating the basic postulate of the 'Big-Bang Theory': i.e., that it was this initial (USCF frame's) which "caused" the origination of the entire physical universe's "mass", "energy", "space" and "time"! Therefore, according to this new 'A-Causal Computation' Paradigm (of 21st Century Physics) the first USCF frame which depicted a 'nuclear explosion' did not "cause" the origination of 'space', 'time', 'energy' and 'mass' because the computation- "dissolution"- re-production- sustenance- and evolution- of each exhaustive spatial pixel/s throughout the entire physical cosmos, i.e., in that first 'Big-Bang' USCF frame as well as in every subsequent USFC's frame/s is solely produced by the singularity of the Universal Consciousness Reality! Thus, in the same manner that this singular Universal Consciousness Reality produces every exhaustive spatial pixel in the universe for each consecutive USCF's frame/s, e.g., including every "present", "past" or "future" USCF's frame/s – so did it originate the initial first 'Big-Bang' USCF frame! But, the surprising (and profound) theoretical conclusion derived from this new 'A-Causal Computation' conception is that indeed the origination of every exhaustive spatial pixel in the universe – as well as of the whole universe (e.g., in the "past", "present" or "future") is not "caused" by the 'Big-Bang' but rather is produced- 'dissolves', is sustained- and evolved- based on the singular and continuous operation of the Universal Consciousness Reality.

Indeed, it was shown that not only the origination of the physical universe cannot be accounted for based on the initial USCF frame's 'Big-Bang' nuclear explosion, but also its dynamics and evolution – cannot be accounted for by any such 'material-causal' physical interaction/s: Thus, for instance, the CUFT's new 'A-Causal Computation' Paradigm negated the existence of 'Dark-Matter' and 'Dark-Energy' as "superfluidous" or "non-existent" due to 'Dark-Matter's' and 'Dark-Energy's reliance upon the existence of such 'material-causal' physical interactions with all the mass and energy in the universe – e.g., in order to account for the empirically observed accelerated expansion of the physical universe. In other words, since the basic (Old Paradigm's) 'Material-Causal' assumption underlying the hypothetical concepts of 'Dark-Matter' and 'Dark-Energy' is that there exists a direct physical interaction between these hypothetical 'Dark-Matter' and 'Dark-Energy' and all exhaustive spatial pixels in the physical universe, e.g., in any given USCF's frame/s which "causes" the (accelerated) expansion of the physical universe in a subsequent USCF's frame; therefore the discovery of the CUFT's new 'A-Causal Computation' Paradigm (which negates the very possibility of the existence of any such 'material-causal' physical interactions due to the simultaneity of the Universal Consciousness Reality's computation- 'dissolution'- sustenance- and evolution- of every exhaustive spatial pixel at every minimal time-point USCF frame/s) transformed our basic conception of the origination dynamics and evolution of the entire physical cosmos in a very profound manner: it negated the existence of 'Dark-Matter' and 'Dark-Energy' (as "non-existent") and furthermore negated Einstein's General Relativity's depiction of the basic dynamics of the physical universe as being "propelled" by the dynamic physical interaction/s between "massive objects" which "cause" the "curvature of 'space-time'" which conversely "causes" such "massive-objects" to travel based on the given 'space-time curvature'!
Instead, the CUFT’s new 'A-Causal Computation' Paradigm of 21st Century Physics postulates that there exists only one singular (higher-ordered)Universal Consciousness Reality which continuously originates- "dissolves"- sustains- and evolves- every exhaustive spatial pixel in the physical universe (e.g., as well as the whole universe) at every minimal time-point USCF's frame!

Hence, this new conception of the physical universe as originating- continuously solely based on the operation of the singular Universal Consciousness Reality also negated Relativity's and Quantum Mechanics' 'Material-Causal' basic assumption wherein it assumed (by both Models) that it is the direct physical interaction between a given relativistic 'observer' and a given (space-time or energy-mass) 'phenomenon' which yields the particular relativistic values of this given 'phenomenon'; or likewise Quantum Mechanics assumes that it is the direct physical interaction between the subatomic 'probe' and 'target' elements which "causes" the "collapse" of the probability wave-function thereby determining the values of any quantum phenomenon; This is because once again, according to the CUFT's 'A-Causal Computation' Paradigm the Universal Consciousness Reality's simultaneous computation of every exhaustive spatial pixel/s in the universe (at each minimal time-point USCF's frame/s \( c^2/h = 1.45 \times 10^{-42} \)) Negates the very possibility of the existence of any such direct "material-causal" physical interactions between any two (or more) exhaustive spatial-pixels in the universe, e.g., including between the relativistic 'observer' and 'phenomenon' or between the subatomic 'probe' and 'target' elements! Therefore, according this new 'A-Causal Computation' Paradigm both General Relativity's Einstein's Equations which depict the dynamics of the evolving physical universe, the New 'A-Causal Computation' Paradigm of the CUFT asserts that it is solely the singularity of the Universal Consciousness Reality which simultaneously computes every exhaustive spatial pixel in the physical universe – e.g., including the apparent 'curvature of space-time' and 'massive objects' etc.

Indeed, the beauty of this new A-Causal Computation Paradigm is that it completely unifies space, time, energy and mass as (different) secondary computational measures of the singularity of this Universal Consciousness Reality which simultaneously computes those four basic physical features for each exhaustive spatial-pixel in the universe at every minimal time-point USCF's frame/s! Therefore, instead of Relativity's and Quantum Mechanics' 'material-causal' modeling depicting the origination- and evolution- of the physical universe as originating from a 'Big-Bang' nuclear explosion and as being evolved by "dark-matter" and "dark-energy" which are hypothesized to propel the accelerated evolution of the universe (e.g., but yet cannot be detected empirically!); with a disparate (inconsistent!) theoretical account by Quantum Mechanics which nevertheless abides by the Old 'Material-Causal' Paradigm's basic assumption wherein it is the direct physical interaction of any given subatomic 'probe' and target' particles which "causes" the "collapse" of the "probability wave function" into a singular "collapsed target value" (at any given spatial pixel in the universe); the new 'A-Causal Computation' Paradigm offers a singular and consistent (extremely elegant) new picture of the universe as being continuously produced- dissolved- and evolved- through the singularity of the Universal Consciousness Reality's computation of the
four basic physical features of 'space', 'time', 'energy' and 'mass' at each exhaustive spatial pixel throughout the universe simultaneously! This new theoretical account not only resolves the basic contradiction that exists between Relativity Theory and Quantum Mechanics, and indeed their complete unification- and transcendence- within the CUFT's singular "Universal Computational Formula":

Perhaps more significantly, this new 'A-Causal Computation' Paradigm of 21st century Theoretical Physics completely integrates 'space', 'time', 'energy' and 'mass' as secondary computational features of a singular 'Universal Consciousness Reality' which creates and re-creates the secondary computational features of a singular 'Universal Consciousness Reality' which both solely produces- "dissolves"- sustained- and evolved- by the singular 'computationally-invariant' "Universal Computational Reality" which exists both "during" each of the consecutive USCF's frames/s! Indeed, the discovery of the Universal Consciousness Reality led to a profound metamorphosis of 21st Century Physics' basic 'Material-Causal' Paradigm towards the new 'A-Causal Computation' Paradigm which views the entire physical universe as no more than a manifestation of the singular 'Universal Consciousness Reality' which both solely produces- "dissolves"- maintains- and evolves- every exhaustive spatial pixel in the universe "during" its production of each exhaustive spatial pixel in the universe at every minimal time-point USCF's frame, as well as solely existing "in-between" any two consecutive USCF's frame/s! 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This is because instead of (relativistic and quantum) Physics being governed (or determined) by direct physical interactions between a (given) relativistic observer and (space-time or energy-mass) 'phenomenon' or between a (given) subatomic 'probe' and 'target' ("un-collapsed" probability wave-function) based on their mutual "material-causal" assumption; the discovery of the "Universal Consciousness Reality's Free-Choice" theoretical postulate forces us to accept that not only the physical universe (and every exhaustive spatial-pixel/s comprising it) does not exist "in and of itself", i.e., independently of its manifestation of this singular 'Universal Consciousness Reality' (wherein the four basic 'physical' features of 'space', 'time', energy and 'mass' are seen as only manifestations of this singular Universal Consciousness Reality's computation of the degree of "change" or "consistency" across its three Computational Dimensions of 'Framework', 'Consistency' and 'Locus'); But, moreover, the continuous dynamics (and evolution) of the physical universe (and every exhaustive spatial-pixel comprising it) is solely dictated by this 'Universal Consciousness Reality's Free-Choice hypothesis, i.e., because there cannot exist any "physical" (or material) entity, force or "law" which "causes" this Universal Consciousness Reality to produce- "dissolve"- sustain-or evolve- any exhaustive spatial-pixel/s in the universe! Indeed, as shown earlier (and previously), the origination of the physical universe's first USCF's frame's 'Big-Bang' nuclear explosion as well as its (empirically observed) accelerated expansion, the continuous computation of any exhaustive spatial pixel's associated four basic physical features of 'space', 'time', 'energy' and 'mass' as well as of any subatomic 'probe' and 'target' elements (at any exhaustive spatial-pixel across the physical universe) – are all solely produced- "dissolved"- (e.g., in-between any two consecutive USCF's frames) sustained-and evolved-through the singularity of the Universal Consciousness Reality, i.e., which is not compelled or constrained by the series of (extremely rapid) USCF's frames which it solely produces. Further support for this fundamental Universal Consciousness Reality's Free-Choice Hypothesis was given by the fact that the entire physical universe, (e.g., and every exhaustive spatial-pixel comprising it) "dissolves" 'in-between' any two consecutive USCF's frames, thereby negating the possibility of the existence of any 'material-causal' physical relationships between any such exhaustive spatial pixel/s existing in one given USCF's frame and any exhaustive spatial –pixel in any subsequent USCF's frame/s! Instead, the Universal Consciousness Reality's Free-Choice Hypothesis asserts that all exhaustive spatial pixels in the universe are solely computed- dissolved- sustained- and evolved based on the sole operation and Free-Choice of this singular Universal Consciousness Reality! This implies that the totality of the physical universe – i.e., its origination, its development and its operation (including every exhaustive spatial pixel comprising it) is solely produced- sustained ("dissolved" in-between any two consecutive USCF's frames) and evolved-by the singularity of this Universal Consciousness Reality rather than is compelled- or constrained- by any 'material-physical' relationship/s (or even "laws")!

This latter principle point relating to the singularity of this Universal Consciousness Reality's 'Free-Choice Hypothesis' also possesses far-reaching theoretical conclusion- e.g., not only within the realm of Theoretical Physics, but also more generally for the future development of (Inductive and Deductive) Science; Within Theoretical Physics, the discovery of the CUFT's new 'A-Causal Computation' Paradigm was shown to evince that the whole origination of the physical universe was not "caused" by a 'Big-Bang' nuclear explosion but rather that it is the same singular Universal Consciousness Reality which computed every exhaustive spatial pixel comprising the first USCF's frame (which depicted a Big-Bang explosion) as the "second"- "third"- etc. and is continuously computing every consecutive ("past"- "present"- and "future") USCF's frame/s comprising the entirety of the physical universe… Indeed, it is precisely due to the discovery of the singularity of the Universal Consciousness Reality's simultaneous computation of each exhaustive spatial pixel in the universe for each consecutive USCF's frame – i.e., with the complete "dissolution"- of all such exhaustive spatial pixels "in-between" any two consecutive USCF's frames, which brought about the new understanding that there cannot exist any 'material-causal' physical relationships between any two (or more) exhaustive spatialixels either within the same USCF's frame/s or indeed across any two consecutive (or hypothetical) USCF's frames; therefore, the ensuing basic 'A-Causal Computation' Shift within 21st century Theoretical Physics is such that it acknowledges the complete 'Free-Choice' of the singular Universal Consciousness Reality to originate-
sustain- dissolve- and evolve- every exhaustive spatial pixel in the universe at any "past"- "present"- or "future"- USCF's frame/s, e.g., not "bound" or "constrained" by any 'past', 'present' or 'future' material-causal physical relationships or interactions, or even "laws"… Indeed, this new understanding of the complete 'Free-Choice' of the singularity of the Universal Consciousness Reality across all USCF's frame/s (and necessarily appearing through both relativistic and quantum levels) also manifested through the CUFT's new explanation of a wide range of Theoretical Physics phenomena, including: its discarding of "Dark-Matter" and "Dark Energy" as "superfluous" (e.g., non-existent!), a negation of General Relativity Theory's Einstein's Equations asserting that the evolution of the universe is "caused" by 'material-causal' dynamic interactions between "massive objects" and their "curvature of space-time" (and converse determination of the 'movement pathways of these massive objects' by this curvature of 'space-time'); the negation of Quantum Mechanics' probabilistic interpretation wherein it is assumed that it is the direct physical interaction between any given subatomic 'probe' and 'target' elements which "causes" the "collapse" of the target's "wave function"; and a challenging of the 'Second Law of Thermodynamics' implication wherein it is the Entropy state of a given physical system in one given time-point which "causes" an increase in that physical system's entropic level in a subsequent time-point…

Moreover, this basic metamorphosis in Twenty-First Century Physics' basic view of the entirety of the physical universe — e.g., as originating - sustained- (dissolved-) and evolved not by any physical interaction, effect, phenomena or entities found "within" the physical universe but rather as solely- and continuously being created and evolved by the singularity of the Universal Consciousness Principle — also led to a profound new realization which was termed: the 'Universal Consciousness Reality'! The Universal Consciousness Reality denoted the new realization that since the four basic physical features of 'space', 'time', 'energy' and 'mass' exists only "transiently" and are solely being computed for every exhaustive spatial pixel in the universe (at every minimal time-point USCF's frame/s) by this singular Universal Consciousness Principle, and that this singular Universal Consciousness Principle also solely exists 'in-between' any two consecutive USCF's frames; therefore, it was deduced that, in truth, there exists only one singular "Universal Consciousness Reality" which exists "unaltered" continuously and permanently both "during" its (extremely rapid) production of each of consecutive USCF's frame/s and also solely manifests 'in-between' any two such consecutive frames! Indeed, viewed from this new (higher) perspective of the Universal Consciousness Reality the entire existence of the physical universe (e.g., and every exhaustive spatial pixel comprising it) is merely a manifestation of this singular Universal Consciousness Reality, but does not possess any "independent-objective" stance of its own! The significance arising from the discovery of this new singular Universal Consciousness Reality is not only the fact that no longer do physical entities, phenomena, interactions etc. exist "in and of themselves", "objectively" (at any exhaustive spatial pixel in the universe), but moreover it pointed at the independence of this singular 'Universal Consciousness Reality' in originating- sustaining- dissolving and evolving- any aspect and every exhaustive spatial pixel constituting the physical universe, not bound by any physical interaction, occurrence, phenomena (or even "law")!

Finally, this new profound metamorphosis of 21st Century Physics conception of the entire physical universe — not as originating from a "material-cause" such as the 'Big-Bang' nuclear explosion but rather as being continuously created- dissolved- sustained- and evolved- by between' any two frames; its empirically observed accelerated expansion being accounted for not by a (superfluous' and 'non-existent') "Dark-Matter" and "Dark-Energy" but rather by this singular Universal Consciousness Reality's accelerated increase in the number of new exhaustive spatial pixels constituting each subsequent USCF's frame/s; the operation of the physical universe — e.g., either at its relativistic or quantum levels is not the result any 'material-causal' physical interaction/s between certain 'massive-objects' and their "curvature of space-time" (and conversely the determination of the movement pathways of those 'massive-objects' being determined by the given 'curvature of space-time'); likewise the values of any subatomic 'target' is not the result of this given 'target's probability wave-function's' "collapse" as "caused" by its direct physical interaction with another subatomic 'probe' element — but rather both the subatomic 'probe' and 'target' elements represent 'single-spatial-temporal' "particles" which are contained within a "multi-spatial-temporal" "wave" measurement which is itself contained within an exhaustive spatial-temporal USCF's frame/s… Therefore, the new emergent picture of the universe is a "non-material", "non-causal" singular universe which is in truth no other than a representation of the singularity of
the Universal Consciousness Reality which continuously creates- sustains- "dissolves"- and evolves- every exhaustive spatial pixel in the universe (e.g., at every minimal time-point USCF's frame/s)! Indeed, this new conception of the physical universe replaces the basic 'material-causal' assumption underlying both Relativistic and Quantum Models with the singularity of the Universal Consciousness Reality's simultaneous (and continuous) computation of every exhaustive spatial pixel in the universe; One of the key (profound) changes that this new conception of the physical universe brings about is that it points at the complete Free-Will Hypothesis wherein the origination- operation- and evolution of the entire physical cosmos is not governed by strict material-causal physical laws, but rather physical laws, but rather solely depends upon the free-choice of this singular Universal Consciousness Reality.

So, where does this new profound shift in 21st Century's new 'A-Causal Computation' Paradigm pointing at the sole existence and operation of the singular Universal Consciousness Reality lead Physics (and Science more broadly) lead us to? Once we realize that the physical universe (e.g., and every exhaustive spatial pixel comprising it) does not exist "objectively"- or "independently"- of the singularity of this Universal 'Consciousness Reality' but rather exists only as a manifestation of this singular Universal Consciousness Reality; we must adopt a much broader conception of the physical universe – not as a "material-causal" entity: "created" by a 'Big-Bang' nuclear-explosion, or continuously expanded by ('non-existent') "Dark-Matter" or "Dark-Energy", or evolved based on a "dynamic-interaction" between certain 'massive-objects' and their 'curvature of space-time' (and vice versa that 'curved space-time's' determination of the 'movement pathways of those massive objects'); neither can the physical universe be (any longer) be viewed as constrained by certain "physical laws" – such as the 'Second Law of Thermodynamics', which postulates that the Entropic level of any given Physical System (e.g., including the entire Physical Cosmos) must rise with time; or Relativity's conceptual constraint wherein no signal can travel at a speed greater than the 'Speed of Light' or that "time" cannot be "reversed"!!? Instead, the discovery of the singularity of the 'Universal Consciousness Reality' and its instantaneous computation of every exhaustive spatial-pixel in the entire universe opens completely new theoretical vistas for further exploration and understanding of the unity and diversity, elegance and coherence of this singular Universal Consciousness Reality which continuously computes-"dissolves"-sustains- and evolves- every exhaustive spatial pixel in the universe at the incredible rate of "c^2/h = 1.45^-42!" This is because this new CUFT's Model completely integrates 'space', 'time', 'energy' and 'mass' as secondary computational derivatives of the same singular operation of the Universal Consciousness Reality (e.g., as signified by the 'Universal Computational Formula', previously outlined); In fact, it fully integrated- and embedded- both Relativity Theory and Quantum Mechanics as different aspects of the same singular Universal Consciousness Reality's 'Universal Computational Formula'; It surpassed the strict limits of Relativity's 'Speed of Light' constraint due to its discovery that every exhaustive spatial pixel in simultaneously computed by this Universal Consciousness Reality; Metamorphosed our conception of the continuous origination of the physical entire physical cosmos at every minimal time-point "c^2/h = 1.45^-42!", and its accelerated expansion – as the result of the Universal Consciousness Reality's accelerated increase in the number of exhaustive spatial pixels comprising the universe with each consecutive USCF's frame/s! It revealed the complete "Free-Choice" Hypothesis indicating that this Universal Consciousness Reality is not bound by any relativistic or quantum physical interaction (e.g., or even "law") but is rather free to create- sustain- "dissolve"- and evolve- the universe with every consecutive USCF's frame… Nevertheless, this new CUFT's discovery of the singular Universal Consciousness Reality and its Free-Will Hypothesis, still pointed at the general tendency of this singular Universal Consciousness Reality to manifest ever broader forms of Consciousness, e.g., evolving from "inanimate", "animate": plants, animals and Humans – up to the broadest expression of a Universal Consciousness experience in a human-being! Likewise, it was discovered that this Universal Consciousness Reality possesses a Dynamic-Equilibrium (moral principle) wherein the infliction of "pain" (or "suffering" by any given Individual Human Consciousness upon another 'Individual Consciousness' must result in a "balancing-act" triggered by this singular Universal Consciousness Reality that would allow the "inflicting" Individual Consciousness to experience the same 'suffering' which it inflicted in order to restore the original unity characterizing this singular Universal Consciousness Reality.

Thus, the CUFT's Universal Consciousness Reality New Science is based upon the realization that the physical universe is no other than a manifestation of the singularity of the Universal Consciousness Reality's complete 'Free-
Will', its complete integration- and transcendence of any 'material-causal' relativistic or quantum constraint, and its emphasis upon the further research and exploration of this singular Universal Consciousness Reality, and its intimate connection to Individual Human Consciousness which was shown to be "in-separate" from this singular Universal Consciousness Reality; (May this new conception of the singularity of the Universal Consciousness Reality also bring about a new profound realization of the "Inseparability Principle" pointing at the lack of real separation between all Human beings and the centrality of the 'Dynamic-Equilibrium' moral principle connecting and preserving the well-being and life of all human-beings, etc.)

CUFT's 'A-Causal Computation' Paradigm Transcends 'Gödel's Incompleteness Theorem'

Indeed, another key facet of the CUFT's 'A-Causal Computation' Paradigm is its principle resolution of all Mathematical (and also Inductive) Scientific Conundrums! Perhaps a good first step towards accomplishing this significant aim is by outlining the CUFT's analysis of- and transcendence of- Gödel's Incompleteness Theorem's (GIT): As shown previously, GIT may be considered the most problematic constraint set (thus far) on the capacity to construct any finite consistent Mathematical or Logical System; However, the recent discovery of the CUFT's new 'A-Causal Computation' Paradigm (of Twenty-First Century Physics) was shown capable of resolving this apparent constraint set upon any further development of Logical-Mathematical (Deductive and indeed Inductive) Science:

Indeed, one of the surprising and potentially far-reaching theoretical implications arising from the discovery of the UCR is the realization that GIT merely represents a "special-case" of the UCR's new 'A-Causal Computation' Paradigm (of 21st Century Physics)! This is because, GIT merely points at the "negative" computational structure of a 'Self-Referential Negative Computational System' (SROCS) – which inevitably leads to a state of "computational indeterminacy" (as shown previously: Bentwich?);

SROCS: MS\{x,y\} \rightarrow ['y' or 'not y']!

Wherein it was shown that any hypothetical Mathematical System (comprising such a SROCS, computational structure) inevitably leads to both "logical inconsistency" and ensuing "computational indeterminacy" – e.g., of which GIT is merely represents a "special-case"… However, the key point made in this article is that this new UCR 'A-Computational Paradigm' (of 21st Century Physics) points at the principle impossibility of any Mathematical System to compute – not just the 'special case' of GIT, but also any hypothetical exhaustive "Mathematical Relationship" between any two (or more) hypothetical 'x' and 'y' elements, i.e., due to the simultaneity of the UCR's computation of any single USCF's exhaustive spatial pixels comprising the entire physical cosmos (at any minimal time-point "c^2/h= 1.45- 42")! To make this clearer, the impossibility of the existence of any "Mathematical Relationship" or any hypothetical "Mathematical System" – is due to the fact that any hypothetical "computing-device", e.g., be it a any digital, electronic or mechanical "computer" device (or chip etc.) or the human brain etc. must occupy a single or multiple spatial-pixel/s being computed by this singular Universal Consciousness Reality, and therefore any exhaustive hypothetical Mathematical Element/s or any Mathematical Relationship or any hypothetical Mathematical System must be represented through this (singular) Universal Consciousness Reality's computation at any minimal time-point USCF's frame/s! But, since (as stated above and previously) this singular Universal Consciousness Reality necessarily computes all exhaustive spatial-pixels simultaneously then there cannot exist any "physical relationship" between (two or more) Mathematical Elements necessarily comprising any Mathematical Relationship or any Mathematical System, i.e., represented as two or more signals occupying the same or other USCF's frame/s! Moreover, as any Mathematical System necessarily comprises more than one single USCF's frame (e.g., due to the fact that any such Mathematical System comprises at least one assumption and one conclusion/s and the conclusion/s necessarily follow the assumption/s sequentially in time) then the "dissolution" of all exhaustive spatial-pixels comprising the entire physical universe "in-between" any two consecutive USCF's frames (e.g., in which only the singular Universal Consciousness Reality exists without the presence of any physical universe!) – Also strictly negates the possibility of the existence of any hypothetical Mathematical System (or relationship)!

On the other hand, since we can verify empirically that the human brain as well as various such 'computing devices' are capable of successfully determining 'Mathematical Relationship/s' and 'Mathematical
Systems', therefore (akin to the Duality Principle's rational involving SROCS/SRONCS computational systems), we must infer that the only means for determining any such 'Mathematical-Relationship' or 'Mathematical System' is based on the singularity of the Universal Consciousness Reality! The truth is that this theoretical conclusion is obvious – precisely due to the abovementioned sole existence of the Universal Consciousness Reality "in-between" any two consecutive USCF's frames (e.g., necessary for the existence of any Mathematical System); Indeed, the gist of the 'Universal Consciousness Reality is that it is the singular reality which solely exists "in-between" any two consecutive USCF's frames and which solely manifests- computes- "dissolves"- re-computes- and evolves- any exhaustive spatial pixel in the entire physical universe! Hence, the Universal Consciousness Reality is seen as the sole "real" reality ("computationally invariant"), whereas the four basic 'physical' features of 'space', 'time', 'energy' and 'mass' associated with any exhaustive spatial-pixel in the entire physical universe are seen as only "phenomenal", "transient" manifestations of this singular Universal Consciousness Reality.

We therefore must reach the inevitable (profound) conclusion that any single or multiple Mathematical Element/s, any hypothetical Mathematical-Relationship or any exhaustive Mathematical System – may only be computed- sustained- and in fact "exists"- solely based on the singular operation of the Universal Consciousness Reality! But, given the fact that this singular Universal Consciousness Reality exhaustively contains all "infinite" exhaustive spatial-pixels, e.g., and therefore also all exhaustive hypothetical "computing-devices" signals: in all "past"- "present"- or "future"- USCF's frames (comprising the Universal Consciousness Reservoir); therefore we must also deduce that from the perspective of this singular Universal Consciousness Reality, all infinite Mathematical Element/s, Relationship/s and System/s are "knowable" and in fact only "exist" due to the presence of this singular Universal Consciousness Reality, e.g., which computes- "dissolves"- sustains- and evolves- and indeed transcends space, time and causality! Indeed, from the perspective of this singular (high-ordered) Universal Consciousness Reality – which solely exists both "during" each USCF frame, e.g., giving rise to all exhaustive spatial pixels throughout the entire physical universe as well as to all ensuing Mathematical elements, relationships, System/s etc.), and also solely exists 'in-between' any two consecutive USCF's frames: from its perspective all "past" "present" and "future" USCFs' exhaustive spatial pixels and their associated exhaustive hypothetical Mathematical elements, relationships and System/s are "knowable", "cognizable", "computable" by "It", as this singular Universal Consciousness Reality is characterized as being Omni-present and Omniscient (as shown earlier) Hence, all exhaustive hypothetical spatial-pixels in the physical universe – e.g., and all of their associated hypothetical "computing-device's" exhaustive ensuing 'Mathematical Elements', 'Mathematical-Relationships' and 'Mathematical Systems' may only exist- be sustained- "dissolve"- and are evolved- solely as a manifestation of the singularity of the Universal Consciousness Reality, and are therefore "knowable" and "present" strictly and solely due to the presence and operation of this singular Universal Consciousness Reality… Hence, this singular Universal Consciousness Reality is characterized as being Omni-present and Omniscient (as shown earlier) regarding any hypothetical 'computing-device's (e.g., such as the human brain or any other electronic computing device) exhaustive hypothetical 'Mathematical Element', 'Mathematical Relationship' or 'Mathematical System'!

This means that while the new CUFT's 'A-Causal Computation' Paradigm conforms with Gödel's Incompleteness Theorem's (GIT) theoretical conclusion wherein it is not possible to construct any "finite-Mathematical System" – and in fact further generalizes GIT's implication asserting that no 'finite' or even 'infinite' Mathematical System can exist at all! (e.g., once again, due to the impossibility of the existence of any hypothetical physical relationship between any two or more exhaustive hypothetical spatial-pixels existing in any single or multiple USCF's frame/s and their "dissolution" 'in-between any two consecutive USCF's frames, and their associated hypothetical 'computing-device/s' operation…); But, on the other hand, this new CUFT's 'A-Causal Computation' Paradigm negates- and contrarily points at the 'Omnipresent', 'Omniscient' characteristics of the singular Universal Consciousness Reality which "knows" and "creates" all exhaustive 'past', 'present' and 'future' USCF's frames exhaustive hypothetical spatial-pixels and their associated exhaustive hypothetical 'Mathematical Elements', 'Mathematical Relationships' and 'Mathematical Systems'! This new profound theoretical conclusion regarding the Omniscience and of the singular Universal Consciousness Reality (regarding the existence of any
exhaustive hypothetical 'Mathematical Relationships' or 'Mathematical Elements') – becomes ever more significant when we take into account the CUFT's "Individual Human Consciousness Expansive Spectrum Hypothesis", e.g., which hypothesizes that it may be possible for an "expanded" Individual Human Consciousness (e.g., also in the 'waking' state of Individual Human Consciousness) to function equivalently to the operation of the Universal Consciousness Reality's computation- "dissolution"- recreation- and evolution- of any exhaustive hypothetical spatial-pixel in the universe (across any 'past', 'present' or 'future') USCF's frame/s – thereby opening the hypothetical possibility of such 'expanded' Individual Human Consciousness to also exhibit the abovementioned 'Omniscient' and 'Omnipresent' characterization regarding any exhaustive 'Mathematical-Relationship' or 'Mathematical System'!

Thus, it may be said that the discovery of the new "A-Causal Computation" Paradigm underlying 21st century Theoretical Physics, e.g., unifying- and transcending- Relativity Theory & Quantum Mechanics: on the one hand, further generalizes Gödel's Incompleteness Theorem's (GIT) strict conclusion wherein it may not be possible to compute any finite (e.g., or even "infinite", see below) Mathematical System (or Mathematical Relationship) due to the Universal Consciousness Reality's simultaneous computation of all exhaustive spatial-pixels comprising any single or multiple USCF's frame/s (e.g., including any single or multiple spatial-pixels comprising any 'computing-device', and their "dissolution" in-between any two consecutive USCF's frames); but on the other hand, completely overturns and transcends GIT's negative constraint set upon any further development of Logic-Mathematics (and more generally of Inductive Science) – in pointing at the "Omnipresent", "Omniscient" cognition of this singular Universal Consciousness Reality of any exhaustive spatial-pixel/s and any associated hypothetical exhaustive Mathematical Element, Relationship or System (e.g., in the "past", "present" or "future")!

Interestingly, the discovery of the singular Universal Consciousness Reality and its "Supra-Spatial-Temporal Reservoir", alongside its other "unlimited-infinite" aspect, i.e., possessing a "Free-Will" unbound even by this exhaustive 'Supra-Spatial-Temporal Reservoir' explicates an entirely new understanding of the concept of "Infinity", and consequently sheds a new light on Science's capacity to resolve all Mathematical-Logical Conundrums (and "cognize" all inductive Scientific problems!); This is because on the one hand the (previous) discovery of the Universal Consciousness Reality's continuous production- dissolution- re-production- and evolution- of an "Infinite" number of exhaustive spatial-pixels comprising an "infinite" number of USCF's frames constituting the Universal Consciousness Reality's Supra-Spatial-Temporal Reservoir – points at a virtually "in-finite" number of spatial-pixels throughout all "past", "present" and "future" USCF's frames… But, on the other hand, given the fact that all such "in-finite" exhaustive spatial-pixels comprising an "in-finite" number of 'past'- 'present' and 'future' USCF's frames (e.g., contained within the Universal Consciousness Reality's Supra-Spatial-Temporal Reservoir) – are all "inseparable" from- and solely "comprised" of this singular Universal Consciousness Reality; therefore all "infinite potentialities" of all 'past', 'present' and 'future' USCF's exhaustive spatial-pixels are nothing but this singular Universal Consciousness Reality! And since according to the "Universal Consciousness Reality Inseparability Principle" and "Individual Human Consciousness Expansive Spectrum Hypothesis" (IHCESH) postulates of the CUFT, Individual Human Consciousness is truly "inseparable" from this singular Universal Consciousness Reality and also possesses the potential of expressing its equivalence to this singular Universal Consciousness Reality (e.g., also in the 'waking' state of Individual Human Consciousness) – therefore this means that such (expanded) Individual Human Consciousness possesses the potential of "cognizing" ("Omniscient") and even "affecting" ("Omnipotent") any such "Infinite-exhaustive" spatial-pixel/s throughout any 'past', 'present' or 'future' USCF's frame/s, i.e., in effect metamorphosing all such "infinite-exhaustive" spatial-pixels into the singularity of the Universal Consciousness Reality which is not separate from the ("expanded") Individual Human Consciousness!

Dedication:

This article is dedicated to my dear Beloved Mother, Dr. Tirza Bentwich whose love and listening have enkindled in me the open-mindedness and curiosity to explore the reality underlying this physical universe.

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