

The Consciousness Revolution in Science

The inner workings of the primal cosmic mish-mash which yields our senses of spirit, consciousness and our interpretations of nature/physics

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Abstract: It is no coincidence that the many theoretical physicists are ‘suggesting’ that our final physical reality could be time, bits, a hologram, a computer program, information, 1s and 0s, mathematics, or some other intangible quantity while many consciousness scientists and philosophers suggest that human consciousness might be time, bits, a hologram, a computer program, information, 1s and 0s, mathematics, or some other intangible quality. They are making these ridiculous claims independent of each other because each group is facing their own inabilities to move forward, and they are both grasping at straws, in this case the same straws. They are both facing conundrums of thought and do not realize that they are confusing the advance of science rather than advancing science. In the meantime, neuroscientists, technicians and engineers are developing machines that read peoples’ minds and developing brain/machine interfaces and advanced computer AI that seems to render the questions regarding human consciousness and spirituality either even more important or completely irrelevant. This is the mish-mash that is the present state of science, but a revolution, not only in physics and science, but in human thought and evolution itself, that will change all of this is on the offing.

Keywords: mind, consciousness, Chi, Qi, Axial Age, thermodynamics, physical evolution, hyperspace, higher consciousness, true self, physics of consciousness, neural correlates of consciousness, microtubules, whole-brain coherence, whole-body coherence, NDEs, spiritual enlightenment, intuition, paranormal phenomena, survival after death

Introduction

The truth is that at the most advanced levels of science, people cannot tell the difference between the consciousness interpreting our external reality, *i.e.*, the “physics of the observer”, and/or our experienced physical reality, *i.e.*, “physics of the observed”. This truth is complicated by the simple fact that no one seems to be able to accurately define consciousness in any meaningful terms that fit modern physical theory and paradigms and the same is true for the desired goal of normal physics to unify or join those same paradigms and theories of physics into one consistent whole because the two major proponents – the quantum and relativity – seem to be mutually incompatible. There is but one solution to this dilemma and it consists of four parts:

- (1) *A complete and comprehensive theoretical unification of physics* that considers human consciousness needs to be developed;
- (2) *A physical theory of evolution* in which biological evolution is only a special case needs to be developed to account for consciousness;
- (3) *Definitions of not just consciousness, but* corresponding definitions of *life*, *i.e.*, the biofield or ‘life force’ that goes beyond just modern biology, *mind and consciousness* in terms of physics also need to be developed; And,
- (4) *A working verifiable physical model of the neural correlates of consciousness that explains how*

consciousness either emerges in the brain of a person or the how brain could interact with a hypothetical external consciousness to emerge as thought or streams of thought in the brain, and how either case then proceeds to whole-brain coherence (cognition).

Without these four, and future physical theory of consciousness would be untenable, non-scientific and probably nonfalsifiable.

As a further complication, we also must deal with other questions, such as the existence of paranormal phenomena and the possibility of an afterlife as soon as, if not before, any realistic physical theory of consciousness can be considered because a real independent consciousness directly implies their reality. But science, as it now defines itself, will never accept the paranormal and related phenomena, let alone the possibility of an afterlife, *no matter how much evidence is gathered and no matter how convincing that evidence is*, because science has never developed the conceptual or intellectual tools, or even the vocabulary to handle such possibilities. So, accepting this possibility could completely redefine science and how science regards and looks at physical reality. Yet, science will only accept the paranormal and the possibility of an afterlife when a new theory of physical reality emerges, such as a unification of general relativity and the quantum theory in physics, that directly and logically implies the existence of them from its fundamental principles. This physical theory of reality can only be accepted by science for purely physical reasons that have nothing to do with its paranormal implications which will emerge naturally and logically from the unification theory. So, this fact literally creates a 'catch 22' situation for anyone attempting to develop a physical theory of consciousness and guarantees that fulfilling this goal would be revolutionary, yet it is happening right now!

Consciousness, as the ultimate perceiver and interpreter of our reality, both internal as well as external, is in the background of all that is paranormal, if not for the actual source of all that is paranormal. Given this truth, consciousness itself, which is far more acceptable to the scientific community than the paranormal, fares no better than the paranormal and physical concepts of the afterlife. This is true for the most part because human consciousness is considered by most scientists as an epiphenomenon or accidental occurrence of nature and evolution. And then again, only humans are thought to have 'consciousness' in the common scientific opinion. This idea extends further to the implication that humans are the only conscious beings in the whole universe, an idea which is simply and completely stupid and egocentric. Nicholas Copernicus began to rid science of the geocentric worldview in 1543 and establish the heliocentric worldview, but by the time of Isaac Newton in 1687 our home world became just one of many throughout a universe with no center. Yet for all that time until the present we have still been believers in a perfectly egocentric universe.

Moving on, nobody has been able to develop a credible theoretical model of consciousness because it is and will be impossible to do so *until* we have a better understanding of the physical universe which the human mind and consciousness are sensing and interpreting. So, unification in physics is a necessary precursor for us to even begin understanding and developing a credible model of consciousness, physical or not. Given this, consciousness is a perfectly natural occurrence and expected evolutionary emergent 'thing-in-itself', such that it is not epiphenomenal as is commonly thought by many modern scientists. Consciousness must also be physical at some level, not some esoteric metaphysical quantity or quality, even though non-material, since it clearly interacts with the physical world through our brain and body if not directly. Enough observances and evidence also indicate that consciousness very likely acts directly outside of and beyond any person's embodied mind, both locally and non-locally. Under these circumstances, physics and physics alone in a new complete and comprehensive form opens the door for anomalous and paranormal phenomena, which are not quite three-dimensionally normal but still quite natural to our experienced reality.

And, in fact, nature and the universe constantly and always push life toward developing greater and more comprehensive consciousness. The further this line of development and complexification of consciousness proceeds, the more the universe becomes ‘conscious’ of itself from an internal point-of-view since there is nothing external by which the universe could become consciously aware of itself. In a very real sense, we and all other forms of life are just parts of an evolving universe realizing its own ‘higher self’ and our ‘purpose in life’ is to increase our consciousness both quantitatively and qualitatively for the sake of the universe. To be more realistic then, evolution, and not entropy, is the true arrow of time as we will learn in some future evolutionary level of consciousness that is much higher than we presently possess, at least if we don’t destroy ourselves first. Evolution is every bit as fundamental to the very point structure of our universe *as is time* itself.

Our reality and a fully unified physics

Our present normal reality is, for all intents and purposes, material and three-dimensional, but it is three-dimensional only because our minds give the material bodies by which we sense the world three-dimensionality – we do not and cannot sense space itself, only the material objects and physical fields that occupy space. Yet the three-dimensionality of matter and material bodies in space does not necessarily require that space itself must be limited to three dimensions. So, the space and physical fields in which those material bodies exist is not necessarily three-dimensional and we have been three-dimensionally brainwashed and biased since birth. In all truth, our space of experience is not three-dimensional as we normally sense it, it is more accurately four-dimensional which is easily ‘provable’.

If we take a line or segment of a line, a one-dimensional ‘thing’, it can turn or spin internally within itself, but it can also twist and turn about its center as well as about any point within its length in a higher two-dimensional space. The same is true for a square, an ideal two-dimensional object. It can spin, twist or turn about its center or any point within or outside of itself and remain within the two-dimensional space that it creates. But it can also spin, twist and turn about any point within itself as well as outside of itself within a higher three-dimensional space. If we continue this progression, we have a three-dimensional square the same should be and is true.

While the same can twist, turn and spin about any point within itself and/or outside of itself in the three-dimensional space, theoretically it can also do so in a higher four-dimensional space, but we cannot accomplish or demonstrate this feat and science needs to answer the question why we cannot do it. The answer is not and cannot be that space is limited to three dimensions alone because we still need some form of four-dimensional mathematics to completely describe the three-dimensional rotations and circular motions that characterize our three-dimensional space as experienced, let alone think about the very possibility in a realistic way although it is true, because our brains, minds and normal consciousness are completely three-dimensionally dominated.

For example, it is impossible to describe all possible rotations and circular motions of material bodies in just three-dimensions of space. This predicament and mathematical anomaly has long been known in mathematics since it takes a four-dimensional space to completely describe the three-dimensional rotations, orbits, spins, turns and twists, of a real material three-dimensional object. This problem was first solved by William Rowan Hamilton in 1843. Considering this exact same question, he developed a four-dimensional numbering system as well as an algebra that could mathematically and theoretically describe the rotational motions of real material objects in a four-dimensional space. He named this numbering and algebraic system ‘quaternions’, the ‘qua’ standing for four.

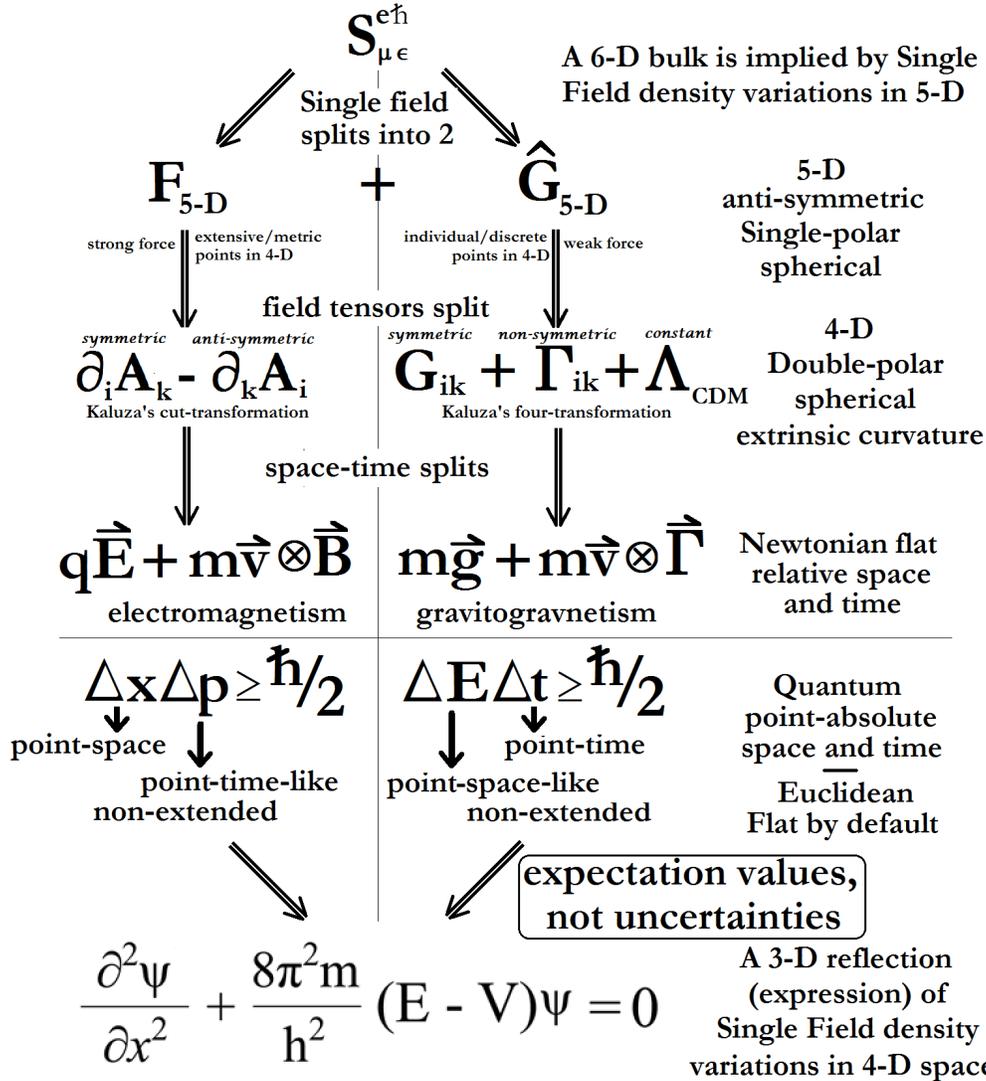
For physics and science, that simple truth means that a vast amount of our universe is not normally sensed by us, but it is sensed paranormally by our consciousness. It also means that our present laws and theories of ‘physics’, that particular science which claims to describe reality as sensed and perceived by consciousness, are grossly incomplete. Take for example Newton’s law of gravity ($\mathbf{F}=\mathbf{mg}$) with the calculated force being the observed or experienced weight of an object. However, that weight only take into consideration the three-dimensional aspects of matter and not the four-dimensionality of space and any possible effects it might have on the weight or other forces on a gravitationally attracted material body.

So instead we add a second factor which considers all the rest of three-dimensional space (Γ), which gives us a complete description of the possible rotations and circular motions of a gravitating pair of material bodies, the equation ($\mathbf{F}=\mathbf{mg} + \mathbf{mv}\otimes\Gamma$). Coincidentally, the first term of the equation only reflects the extension (space) distance between the centers of mass of the two bodies that are attracted gravitationally, while the second or new term is about the point (space) change in position of the orbiting (less massive) body around the combined center of mass of both bodies, thus accounting for both the extension and point aspects of real physical space.

The same is true for Einstein’s gravity equation ($\mathbf{T}_{ijk}=\mathbf{G}_{ijk}$). The tensor \mathbf{T} represents the matter-energy stress within space caused by the mass of an object while the tensor \mathbf{G} represents the equivalent curvature of three-dimensional space or the space-time continuum if we consider the moment-to-moment change in position of a gravitationally attracted object to a central heavier object. However, this equation is also fundamentally incomplete because it does not consider all possible motions with respect to a fourth dimension of space.

The equation should be ($\mathbf{T}_{ijk}=\mathbf{G}_{ijk} + \Gamma_{ijk} + \Lambda$) where the two new tensor terms of Γ and Λ , represent the point effect of the inertial mass of the orbiting body as opposed to the gravitational mass or curvature (extension) effect of the central body both relative to the fourth embedding spatial dimension of a five-dimensional space-time continuum. Otherwise, Γ represents and explains how the effect of Dark Energy at the points of space influences on the inertia of the orbiting object and Λ the relative Dark Matter effect causing the release of Dark Energy from the points in space on the net momentum of the orbiting object. We now have a complete description of all the forces and effects acting on gravitationally attracted material objects in our three-dimensional space of experience.

Under these circumstances, unification of the gravity field with the electromagnetic field and the quantum is not only possible, but it is quite easy and so straight forward that it has already been finished. Unification is so straight forward that it can be represented by one simple graphic.



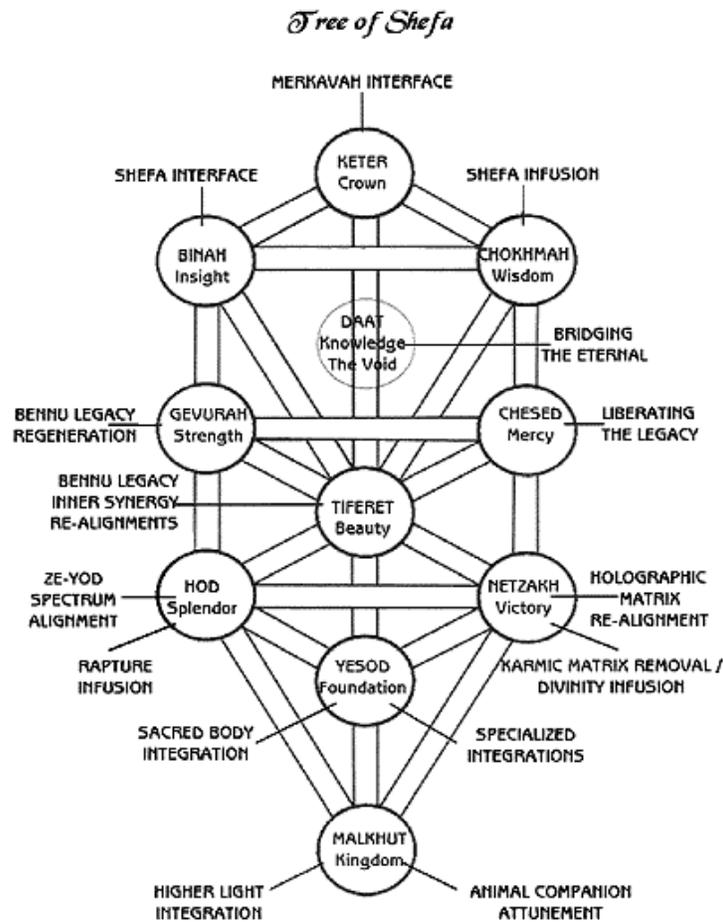
This graphic is also easy to interpret, even for a non-physicist. The single field of pure potential (S) is split into its extension (F) and point (G) spatial components, represented by the electromagnetism and gravitogravnetism tensors, respectively, along the fourth direction of space. Since gravity is only a point along the fourth direction of space it is far weaker ($\sim 10^{40}$) than extended electromagnetism in our three-dimensional world, solving the hierarchy problem in physics. Their split yields the electromagnetic tensor equation and the gravitogravnetic tensor equation in three-dimensional space (four-dimensional space-time) equivalents. Theodor Kaluza's (1921) cut transformation and four-transformation can then be applied to these tensor equations to yield normal equations of motion in three-dimensional space.

Or we can revert to Euclidean flat geometry Newtonian solutions and instead use the Lorentz equation for calculating electromagnetic forces or the Heaviside equation for calculating the total gravitational forces on material bodies. Since space and time are now split apart and considered separately, we can further break down the physics for the microscopic world of the quantum realm (discrete points rather than extensions and thus non-relative) where space and time can be considered Euclidean flat (by default) within our three-dimensional surface and thus not contributing directly to quantum events, yielding Heisenberg's equations for the Uncertainty

Principle in which time variable is suppressed (but not hidden) in the first equation and the space variable (position) is suppressed (but not hidden) in the second equation. Since space and time are unnaturally split apart at the individual points of space, the Heisenberg equations yield indeterministic answers that merely represent likelihoods and possibilities in a point-absolute space and a point-absolute time rather than the relativistic and deterministic real extension space-time that is natural to our world.

And finally, Erwin Schrodinger's wave or Ψ equation comes into play as a description of the probability distributions in the point absolute space-time in which Ψ can be collapsed by either consciousness (a willful act of conservation or interaction) or entanglement (natural interactions) with the probabilities ψ and ψ^* , which together yield Ψ . When the wave function or Ψ is collapsed, by what ever method, it is essentially localized from its two-dimensional probabilistic dispersion (ψ and ψ^*) to a fixed value in a discrete point in real relative extended space-time continuum. Thus, unification is complete except for an explanation and inclusion of consciousness and its overall role in physical reality.

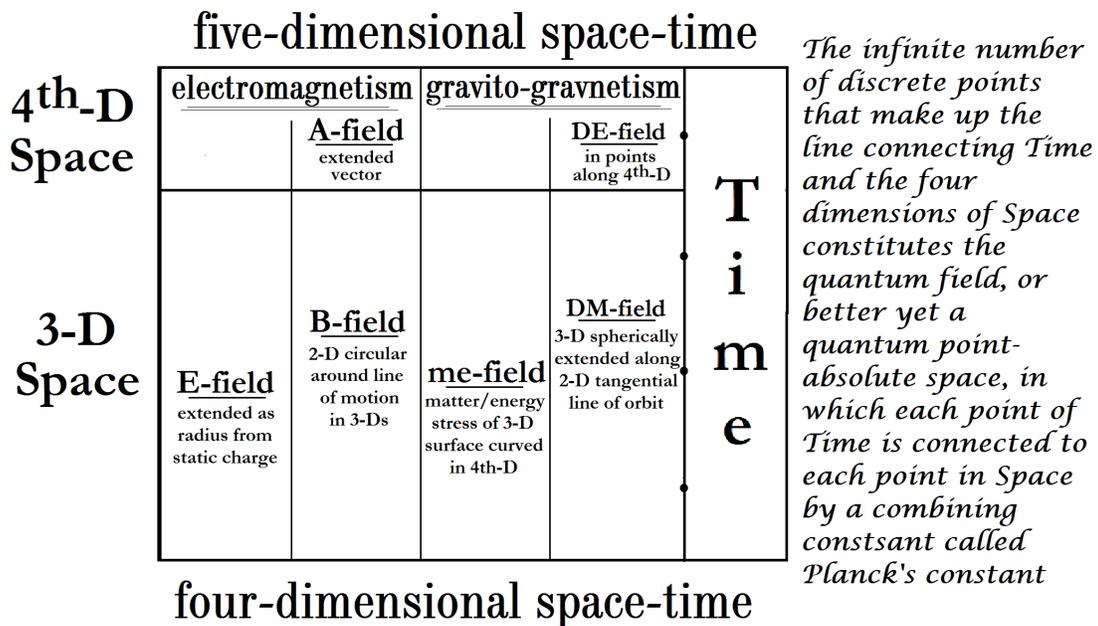
The role of consciousness is hinted at in the simple fact that this graphic of the unified field theory looks coincidentally like the Kabbalistic tree of life. The graphic thus implies a direct role of life, mind and consciousness in the very point structure of the universe.



This association gives a whole new meaning to the medieval question of whether God is immanent or transcendent, only in this case it refers to the possibility of some form or concept of a possible Cosmic Consciousness that could be both immanent and transcendent simultaneously.

Our reality consists of one single continuous field of potential that occupies four-dimensional space but breaks down in our experiential (the three-dimensional curved surface that we occupy) into the matter, material bodies, energy, waves and normal force fields (electromagnetic and gravitogravnetic) with which we are familiar according to geometrical and quantum conditions and limits. At least this is the way that we see and interpret the world around us. But this is an entirely three-dimensional interpretation of reality. From the higher perspective of the fourth dimension of space in a five-dimensional space-time, our three-dimensional world would appear to be nothing but pure single field except for the complex four-dimensional density variation patterns that correspond to the paschal ‘things’ that we sense, observe or detect in our three-dimensional world.

From the four-dimensional perspective our external reality would ‘look’ a bit different as noted in the following breakdown of the SOFT, or table which shows the relationships between forces and ‘things’ from a different four-dimensional perspective.



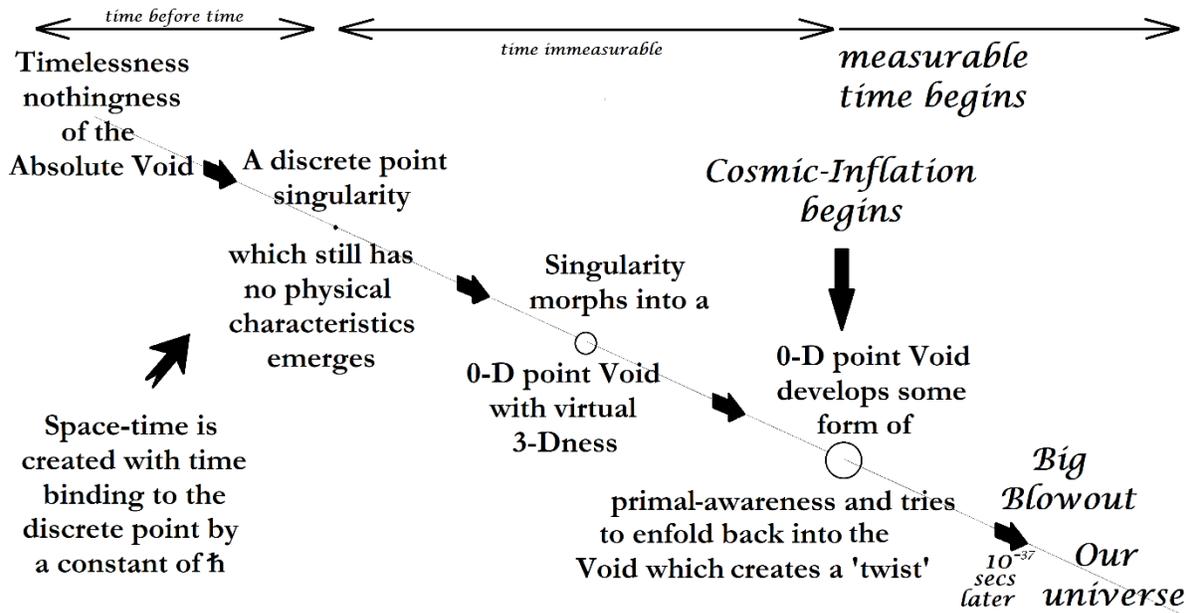
The electric **E**-field occupies all dimensions in three-dimensional space and is thus static (unchanging over time unless another **E**-field intervenes). The magnetic **B**-field occupies only two of the three-dimensions of normal space, but it varies over time, so it occupies all three dynamically while only two statically. However, magnetism also has a vector potential **A** (the **A**-field) which gives the magnetic field a component in four-space, such that it is three-dimensional in a combined three-dimensional in all four dimensions.

Gravity is nearly the same, except that it is such a weak force that we seldom, and only in extreme conditions, have any observable evidence or data on the gravnetic portion of the overall field. Thus, gravnetism is the “Dark” cousin of normal gravity that we know well in our daily lives. Our material bodies and all material bodies are **me**-field patterns of single field density that appear as quantized patterns of spatial curvature relative to our three-dimensional space such that the **me**-field occurs all three-dimensions in three-dimensional space. The **DM**-field occupies only two of the three dimensions of normal space and is a point force, while the **DE**-field is also a point element corresponding to the **DM**-field, the **DE** is along the fourth direction of the five-dimensional single field, so like the **B**- and **A**-fields are together three-dimensional the **DM**- and **DE**-fields are together

three-dimensional, but only in four-space. These finer points are important because they are true for all material objects, including both living and non-living, animate and inanimate matter. The only difference between animate and inanimate matter is the degree or level of complexity, a special complexity of matter that we call 'life', so each of these fields must be accounted for in all living organisms and entities.

It is commonly agreed by most scientists that the universe began with a 'big bang' although that description was originally meant to insult the concept. The Big Bang is predicted by relativity theory as well as extrapolated from observations made by Edwin Hubble in 1929. In truth, none of our physical theories can really say anything about the Big Bang because it began with a singularity (predicted), which is an infinity of nothing, and all our theories are about measurements of somethings. So, the real question is how nothing becomes something and then explode (expand very rapidly) into a very large something made up of a seemingly infinite number of other somethings (particles).

At first the singularity merged from the absolute Void and it eventually morphed into a 0-D point Void whose only quality was its virtual three-dimensionality. But that 'thing' or 'something' was able to differentiate itself from the absolute Void from which it emerged, a sort of primal-awareness, so it tried to implode or fold back into the Void by twisting into itself. It failed because it was virtually three-dimensional, and the original Void was dimensionless. So, it duplicated itself in both directions of a fourth dimension creating positive and negative virtual torques, which rebounded back into the 0-D point/twist Void instead, duplicating the 0-D point/twists in each of the three-dimensions of space in both the positive and negative directions. After the next moment of time, the process repeated itself for each of the newly created duplicable particles and continued to do so *ad Infinitum*, causing rapidly increasing cosmic inflation.



Obviously, SOFT can account for this and specifically explains in a perfectly logical manner how the Big Bang occurred and caused the cosmic inflation that supposedly gave us our present universe in a manner that completely matches observations and our data about the universe.

From the Big Bang until cosmic inflation ended, all that existed was a geometrically structured Void of 0-D point/twist Voids, a virtually physical nothing in that everything existing added to a value of zero, but a very big nothing. This structured Void was virtually three-dimensional with a four-dimensional point-by-point virtual torque (positive above the original three-dimensional virtual surface and negative below it) and a point-by-point primal-awareness of its differentiation from the absolute Void from which it all emerged an infinite (undefined) amount of time earlier. Cosmic inflation then ended with a Big Blowout in positions in the three-dimensional surface of the rapidly geometrically structured Void that had developed quantum fluctuations (spots of nothingness between 0-D point/twist Voids which composed the structured Void). These first Blowout spots or locations became protons, and only protons, since they only blew outward in the direction of expansion and not inward, which would have created anti-protons.

In all, the Big Blowout created the universe as we know it and slowed cosmic inflation down to approximately the expansion speeds that we observe today. All in all, the Blowout created

- 1) Particles, protons, electrons, neutrinos;
- 2) Energy, light and speed of light as max speed of transmission/translation;
- 3) Compactification inward vastly slowed or ended inflation with the Cosmic Microwave Background;
- 4) Virtual torques in fourth direction of space collectively coalesced (became physically real) to become single potential field; And,
- 5) The primal-awareness associated with each 0-D point/twist Void collectively coalesced to become a semi-physical pre-consciousness potential field.

The virtual torques in the positive and negative fourth directions of space became the single potential field upon the end of cosmic inflation, with the primary three-dimensional surface (our world) the densest packed of all surfaces. Surface density thus decreased from the primary surface outward into the fourth dimension until the single-pole point is reached where the density goes to zero, with the three-dimensional surfaces stacked like pages in a book, and then returns to the bottom side of the primary sheet as density increases again in the negative direction for the single-pole point. These infinitesimally thin three-dimensional surfaces group together in quantum sized 'sheet' of sheaf, such that each 'sheet' from the primary 'sheet' (which represents quantum number $n=1$) outward doubling in forth-dimensional field density. Quantizing the fourth dimension of space according to the density of the single field in the fourth direction of space, automatically quantizes curvature and our three-dimensional space.

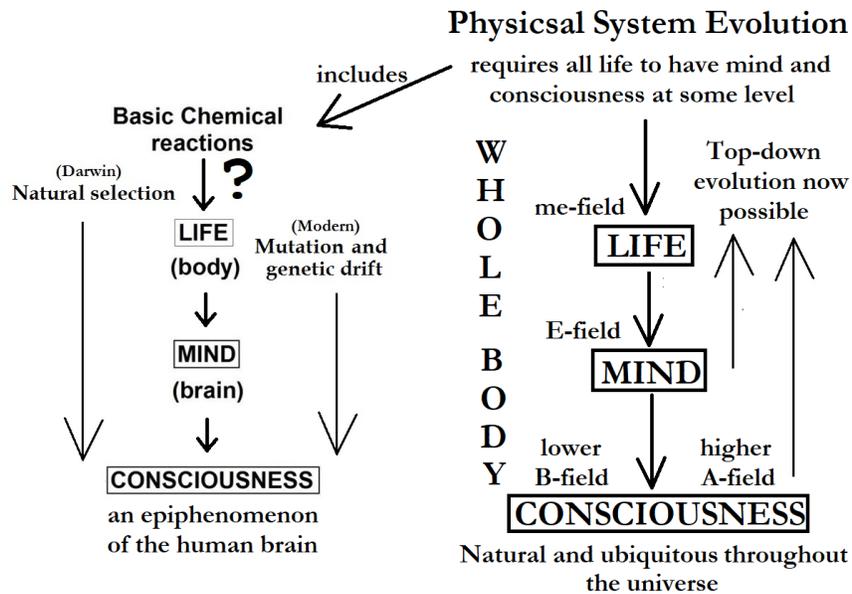
A new order and level of evolution

But the Big Blowout also created a semi-physical *pre-consciousness potential field* as the collective aggregation of all the infinite number 0-D point/twist Void's quality of primal-awareness. This *pre-consciousness potential field* pushes, forces or influences the continuing development of order and orderly systems in our universe despite its opposite, the steadily increasing entropy, which is ultimately due to continuing outward expansion/inward contraction. In all reality, the amount of disorder or entropy in the universe is equal and opposite to the amount of order or complexity in the universe when all things are considered.

However, emphasizing the special role of order in the universe requires a change in the laws of thermodynamics which stress only the functioning influence of disorder of entropy. So, we need to add four new laws to thermodynamics to the existing four laws to balance the scales: (4) Prigogine's principle that an equilibrium system that loses energy will enter a period of increasing chaos until a

reaches a level where it forms a new more stable equilibrium at a lower energy level; (5) Chaos theory which requires the emergence of complex systems from chaotic origins of a material system when outside forces and conditions reach a certain level or point, such that the emergent complexity has new characteristics that could not have been predicted from the initial conditions that created it to internally itself for its continued development; (6) Prigogine’s principle and chaos theory taken together create a new ‘evolution of physical systems’, such that the new levels or stability created (complexities) at lower energies will continue to grow and evolve into still higher level systems and complexity systems of systems; And, (7) Murphy’s law which state that anything that can go wrong will go wrong, which introduces a bit of probability or indeterminism in the sense of quantum theory.

Then, according to these new laws and principles of thermodynamics evolution is natural to everything in the universe, whether it is animate or inanimate, living or non-living, and life can and will emerge at a specific level of chemical complexity, depending on how anyone person defines life. All life will then exhibit life, mind and consciousness at some level. Moreover, organic and bio-chemistry formed in the primordial soup under the correct conditions of not just the chemical interactions but a combination of the electromagnetic and even the gravitogravnetic forces, before life emerged according to Darwinian theory.



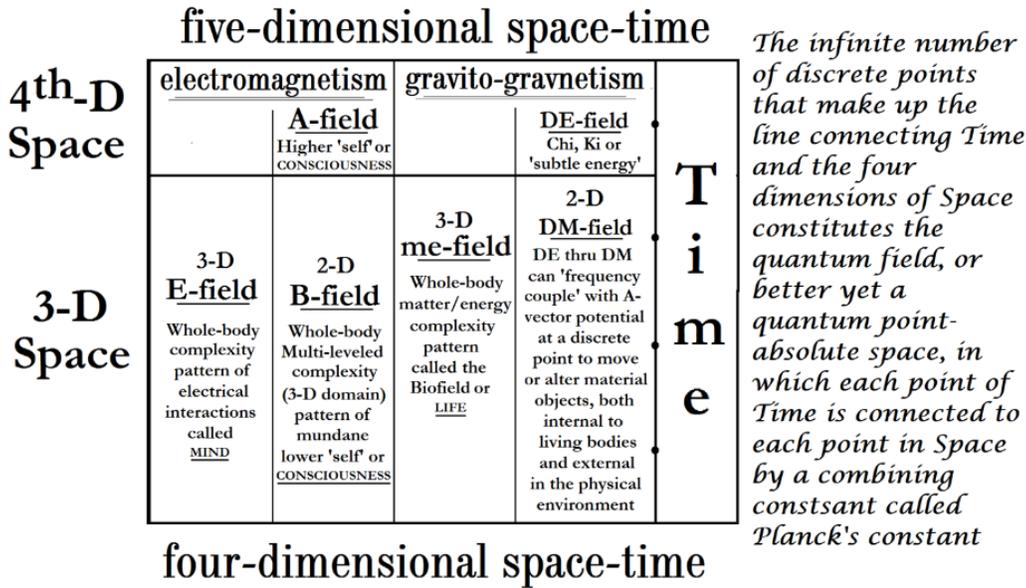
As life became more and more complex, it slowly increased within its own complexity (as single cell animals and conglomerations of single cell animals) to the point where a complexity of mind emerged creating multi-celled animals (the Cambrian Explosion) which are bicameral (due to the positive/negative duality of electric field) and then plants diverged with the emergence of a complexity of form as opposed to animals’ complexity of function which resulted in the development of neurons and brains.

Homo sapiens emerged within the Hominid lineage three-hundred thousand years ago when a special memory complexity of mind led to a new higher level of development of consciousness, our present level of human consciousness, such that Homo sapiens has inherited a vastly more complex and larger brain than its predecessors that has allowed us to conceptualize and abstract the world around us so that we may individually or someday collectively reach and even higher level of

consciousness in a new evolutionary leap forward. It is as if the universe in its wholeness is evolving us, or at least involved in our evolutionary path to such an extent that we can conclude that our purpose in the world is to evolve the universe from within by adding our experiences and knowledge to its own because the universe is unable to cognize and realize itself externally as it has nothing to compare itself to. So, consciousness is not only not epiphenomenal but also present to one level or another in all life.

This knowledge now allows us to look at the SOFT field structure in a whole new way that allows us to explain and understand a whole new group of phenomena dealing with life, mind and consciousness.

SOFT field substructure for consciousness



To begin with, anomalous phenomena, as investigated by a few scientists and practiced by a few experiencers and trained individuals, are truly para-normal (normal being three-dimensional), but still natural, just natural to the higher embedding fourth dimension of space. Life, or what some scientists call the biofield, is externally stable but internally varying energy/matter pattern of quantized curvature of space that we regard as or corresponds to our material body. Our mind is the overall electrical **E**-field complexity pattern that overlays the **em**-field or life complexity pattern. This includes all electrical activity in the body including everything from the movement of individual atomic and molecular ions in and out of individual cells all the way up to the electrical activity in the neural nets and the brain. We only think that mind is in the brain because the complex neural nets that eventually give rise to whole-brain coherence and cognition, our waking thoughts and streams of thought, are only located in the brain.

The paranormal, psi and the higher self

Our consciousness is thus the unbelievably vast complexity structure of memories and thoughts that have built up over eons and untold numbers of generations of animals before us. These are stored magnetically in the very discrete points of space (0-D point/twists) that coincide with our bodies and brains, three-dimensionally in the **B**-field and four-dimensionally in the **A**-field. The B-

field consciousness is that part of consciousness which we are normally aware of and coincides directly with the electrical activity of the brain and body. It is our mundane or lower conscious by which we picture ourselves of 'self' three-dimensionally. However, the third dimension of our consciousness is that which is extended in the fourth direction of space and that is our 'higher' consciousness or higher self.

This duality of consciousness goes a long way in explaining and allowing us to understand not only the world around us in its own great complexities but also ourselves in a way in which we have never been able to understand ourselves in the past, because that **A**-field consciousness is in direct contact with the wholeness and oneness of the universe at all times as well as everything, every individual part of the universe, through the single-pole where everything comes together. People who have NDEs experience this part of their consciousness directly as do people who have reached spiritual/mystical enlightenment, and this is the part of consciousness that survives death of the body, mind and lower consciousness. Death is merely the simultaneous disruptions of the **me**-, **E** and **B**-field structures that we all are, but it cannot disrupt the **A**-field. Both the **A**-field and **DE**-field are four-dimensional and thus directly connected within the life body, which means that higher-consciousness can access Dark Energy for manipulation of three-dimensional objects and 'things', which easily explains many characteristics of paranormal phenomena.

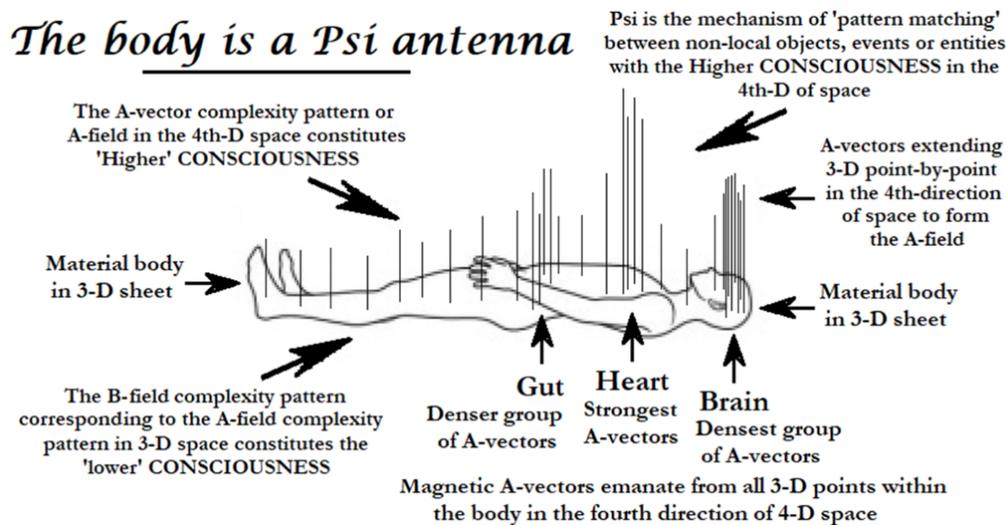
For example, everything in the universe is both three-dimensional and four-dimensional simultaneously. Where we normally see and observe something as three-dimensional, we know, intuitively, that it still has a four-dimensional component that we cannot logically explain. Everything that we experience, perceive and 'observe' in three-dimensional has a four-dimensional counterpart. The DeBroglie pilot wave is the four-dimensional counterpart of the three-dimensional Schrödinger Ψ -function. The longitudinal electromagnetic wave is the four-dimensional counterpart of the three-dimensional transverse electromagnetic wave. Our mundane 'lower' (**B**-field) consciousness or spiritual 'lower self' has a counterpart in four-dimensional space which is our 'higher' (**A**-field) consciousness of 'higher or true self' that the mystics speak about.

Now let's look at the various interpretations of the single- and/or double-slit experiment. It can be conducted with electromagnetic waves (classical optics), photons (modern quantum) or high-speed electrons (modern quantum) to confirm the wave/particles duality of our reality. Non-coherent photons do not interfere with each other. So, the observers split a single photon into two equivalent photons with half the energy that are guaranteed coherent and can thus interfere with each other creating an interference pattern on the screen, or so modern quantum scientists think. That interpretation is true but only in their three-dimensional interpretation of the results. There may be two seemingly separate three-dimensional photons, but the photons have not been completely separated into two via the fourth dimension because their pilot wave is still intact as one.

Now when Dean Radin's and other 'psychics' concentrate on the experiment they do so with both their three-dimensional **B**-field and four-dimensional **A**-field consciousness, but their four-dimensional **A**-field consciousness fixes the four-dimensional DeBroglie wave so that they are looking at two-halves of one photon in three-dimensional space with three-dimensional eyes and equipment and there is not interference because a photon cannot interfere with itself. Both experiments, although seemingly incompatible with one another, are valid as they stand. In other words, there are two different results and interpretations of the slit experiment because both groups are using outmoded and outdated incomplete three-dimensional interpretations of the slit experiment. There are many areas where normal and paranormal science do not agree, but they can be accommodated and explained for the most part by SOFT.

One of the first beliefs that must change is the common picture that our mind and consciousness exist in the brain alone, and the human brain at that. We only think that we are in our brains because the neural-nets where conscious thoughts and memories first arise in the brain are far more complex than any other neural structures anywhere else in the body. In fact, complex neural nets only occur in the brain and they form the various components of the brain that give rise to whole-brain coherence or cognition, what we recognize as thoughts and streams of thought. The heart has more neurons and thus has a much stronger magnetic field associated with it than the brain. Our gut, what scientists are now calling our second brain, also has a very high density of neurons and thus a stronger magnetic field than other parts of the body.

Only the A-field that is associated with individual discrete points in space extends into the fourth dimension of space past the material spatial curvature pattern of life of the body. So, the A-field pattern of a person's 'higher' consciousness acts like an antenna, picking up signals and information from the rest of the universe, all the time without stopping.



This cacophony of extra-dimensional input and information would simply overwhelm our brains under ordinary conditions, so it is generally damped or cut out altogether by the neural nets and their structure where consciousness first emerges in the brain, so very nearly all the information from the universe never enters our brain and can thus never become a thought.

This neural net or natural filter is a matter of self-preservation and protection from being mentally overwhelmed, except under the most exceptional of conditions. And then it would seem like a random event or blip of memory that our mind would filter out through other neural circuits and their inherent energy barriers. If, on occasion, they do rise to the level of coherent thought (through a system of 'pattern matching in the neural nets) when they seem to fit the context of other thoughts in our brain or events in our lives (the patterns in our brain being matched to the outside four-dimensional pattern at large in the universe), they are deemed to be intuition and/or 'gut feelings', visions, and random ESP events such as telepathy, precognition and clairvoyance.

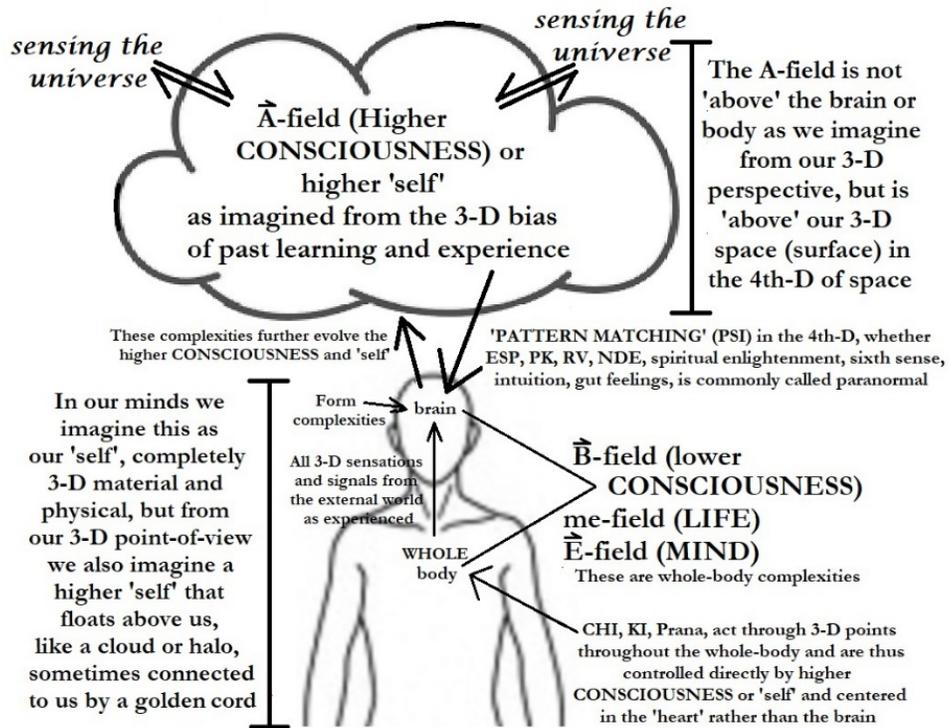
So, in a very real sense, our 'higher' consciousness or spiritual 'higher self' is the sensory organ by which we sense the general wholeness and oneness of the universe (also through 'pattern matching') and all that is in it, even though our five-normal three-dimensional senses observe that we are individuals separate, distinct, unconnected from other 'things' in the universe and the universe is made up of 'parts'. We only learn through practice (schooling) and/or experience, no

matter what else we are, we are learning machines, which alters the neural net structure in our brains constantly.

The more intense and profound the learning experience, the greater the alteration in our neural net structure, but the more easily it is to assimilate any new information of experiences. So that when we learn to use our 'sixth sense' or have an intense NDE or even reach satori and nirvana during meditation (or naturally), we gain new abilities and our personalities change permanently due to the neural net requiring and repeating the experiences also becomes easier. For example, we lose our fear of death after NDEs because our brains have been rewired at the neural net level for more immediate contact with the higher dimension and thus to accept the reality that consciousness survives death. We also become more spiritual after these experiences and though proper learning concerning our true reality.

Spirituality is no more nor less than a person's natural recognition of our intimate connection with everything (all points in the universe through the single-polar point) and the undivided continuous wholeness of the universe (the maximum possible extension) simultaneously and thus a primary characteristic of our 'higher' self or consciousness (the **A**-field). Religion does not create spirituality, but rather spirituality created religion as our consciousness and mind at a much earlier time in the history of our species sought to understand ourselves, the world around us and our place in the world around us. It is safer and more accurate to believe that true spirituality is completely independent of religion and we, as individuals, put spirituality into our religious beliefs rather than get spirituality from our experience and learning of any religion, as it is taught to us.

Just as we mistakenly believe that mind and consciousness are in our brains and heads, we also mistakenly believe that our 'high self' or 'higher' consciousness just floats above our head and/or surrounds us. We think as if a little clod called our 'true self' floats just above our heads and follows us around everywhere we go, or that there are angels sitting on our shoulders or just behind us, out of our vision. All religions picture their holy people and icons with the bright light above and just behind them, as halos of light just above their heads, or even as bright light surrounding the head and/or the whole person. The concept of light being associated with the 'higher' consciousness is true, although greatly misconstrued by religions and creeds. Our 'higher' consciousness is extended into the higher embedding fourth dimensions of space from every point in our bodies. Technically matter and material objects do not exist in the higher fourth dimension because they are but curvature in the three-dimensional surface of our bodies and experiential space. But the higher dimension would be filled everywhere with 'light'. or at least with the four-dimensional extension of three-dimensional light waves, *i.e.*, photons and virtual photons, which our three-dimensional biased minds interpret as normal white light. So, where exactly is our higher consciousness and our what remains of 'physical' body after death, when only the three-dimensional material body dies?

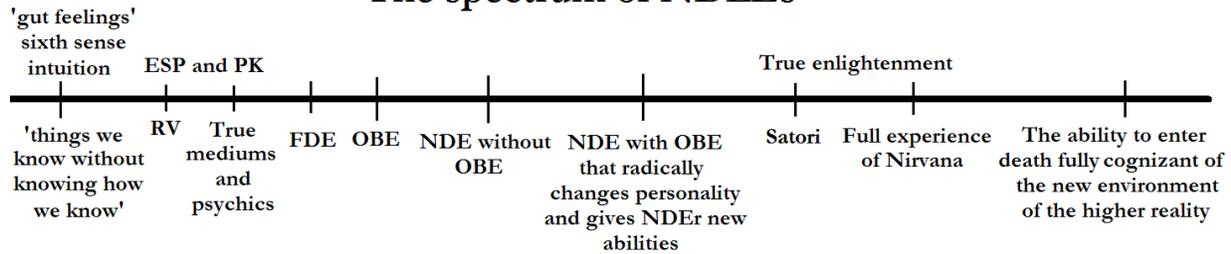


We sense that our 'higher' consciousness or 'self' is above us, which technically is true none-the-less confusing. It is only above us four-dimensionally (above the three-dimensional curvature surface complexity pattern corresponding to our biological body) but we are not yet above to think four-dimensionally and our lifetime three-dimensionally biased mind 'thinks' above without regard to dimensionality, at least when we are revived from the NDE or similar experience. In the three-dimensional sense the ghost or spirit is in us (in the points of space that our body occupies) until we die, and only then is it above us four-dimensionally. So, NDErs picture their memory of the out-of-body experience associated with the NDE as above their body floating free in the air.

Accordingly, the best evidence for this model of consciousness comes from NDEs and spiritual/mystical enlightenment because these result in real neural net changes that affect people in verifiable ways. Anyone who has fully experienced an NDE or spiritual enlightenment has directly experienced and touched our naked reality, the full physical experience of true reality, without the blinders of our normal three-dimensional psychological window dressing of materiality. So, experiencers can only offer stories that are too many times anecdotal and metaphorical because there are no three-dimensional concepts and vocabulary to describe them, of directly experiencing an extended reality that very well matches what has so far been theoretically deduced about the fourth-embedding dimension of material space and its relationship to the normal three-dimensional space we commonly experience.

So, we could picture all paranormal and mystical phenomena as existing on a line of intensity – The Spectrum of NDLEs or Near Death-Like Experiences – which blot out and overcome our three-dimensional prejudices and biases but at the same time utilizes them to distinguish between different experiences that we might encounter.

The spectrum of NDLEs



Along this line, we are measuring or comparing the ability of a person's 'higher' consciousness or 'true self' to influence his or her waking mind and brain by bringing memories or thoughts of the higher-dimensional experience to the level of whole-brain coherence at will.

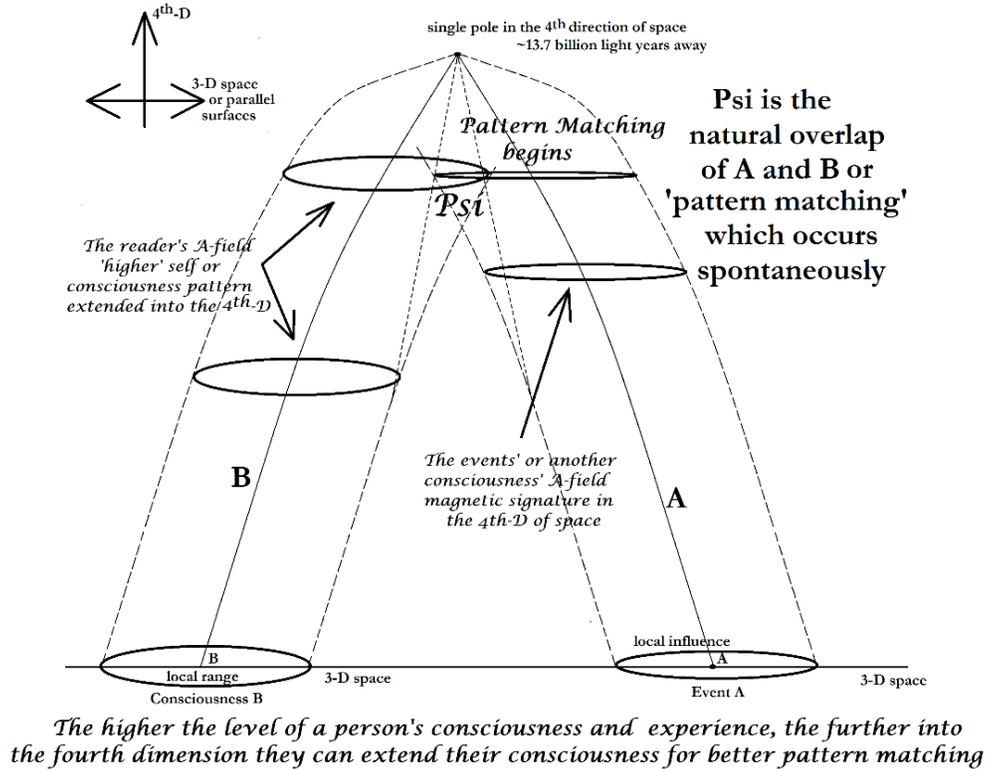
A much grander, all-inclusive and more comprehensive view of the totality of our universe, its simultaneous wholeness and oneness despite all the separate parts that make it up, can still be made. We can experience NDEs, enlightenment and other paranormal experiences and we can even enter death without knowing the physics or nature of what has occurred, without understanding the physics of the universe at an academic level, but knowing the physics greatly enhances the experience and might even help a person reach still higher levels of consciousness, where we can manipulate 'things' in the higher dimension. Knowing the physics gives us a better experience and can help us control our 'higher' consciousness to its own benefit and knowing and understanding how the universe works, through a better enhanced and unified physics, can also be of help. In fact, it is possible to reach a certain level of 'enlightenment' through physics alone, at least the proper physics alone could place a person, if they are doing the correct physics that more closely matches the full reality of the universe, closer to a spontaneous enlightenment event in their own consciousnesses.

At the left end of the chart, we have the everyday mundane personal use of the 'higher' consciousness. It is the source of our natural spirituality, intuition, 'gut feelings' about things, and our 'sixth sense'. It is the source of the things that we know without knowing how we know them. After that comes ESP and PK, including spontaneous poltergeist effects. These occur randomly and spontaneously in every person's mind at one time or another. The problem is recognizing them and acting on them when they occur. How many people have accidentally, without trying to do so, read another person's mind and considered it just a coincidence? Everyone. If a person works with that spontaneity enough, they might be able to change it to a more promising ability. But on occasion a person can inherit or be trained to use their natural paranormal abilities as a psychic or medium. Or even as a remote viewer. These go a step beyond spontaneous events and occurrences and entails the rewiring of neural nets in the practitioner's brain through continued practice and learning to accommodate that learned ability, unless inherited.

The Road to a higher reality

Paranormal events of this type and still others are quite easy to explain within the context of the higher dimension required by physics and unification in SOFT. Everything in three-dimensional space has a counterpart, or rather extends in a physical but non-material way, into the higher fourth dimension of space as was mentioned earlier. Higher consciousness is the primary extension of all living organisms into the fourth dimension as is what is mistakenly called Dark Energy (at least as point potential on the fourth dimension of space).

So, suppose some event occurs non-locally, completely out of a person's range of normal senses, such that the observer 'B' cannot sense the event 'A' or event detect it through other three-dimensional mechanical means. Both the observer's higher consciousness and some physically real part of the event extend into the fourth dimension where the event can still be 'detected' through the mechanism of 'psi' by the observer.



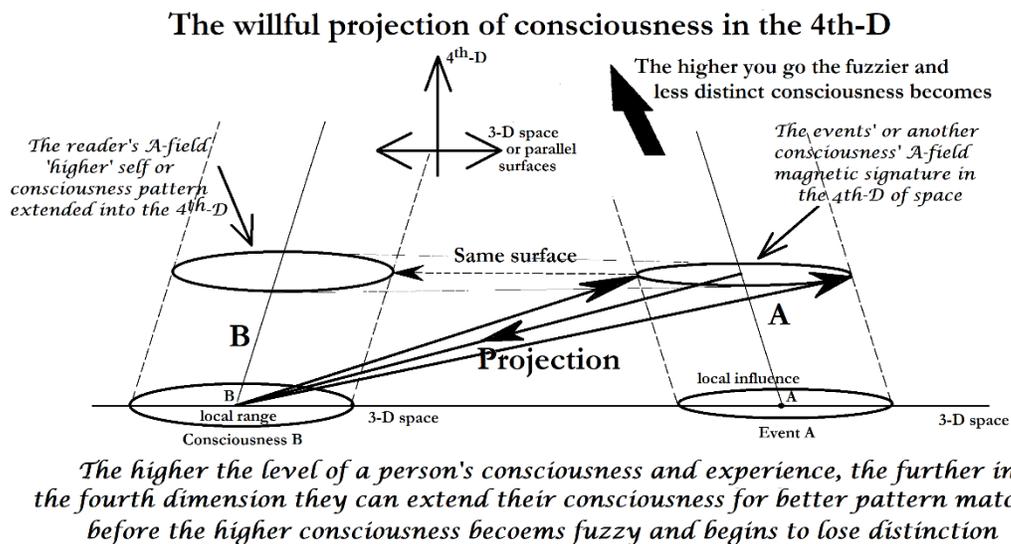
Lines A and B extending into the fourth direction of space are parallel but all parallel lines in the fourth direction meet at the single pole. The speed of light only limits movement on three-dimensional space, so signal transfer in the fourth dimension is, or can be, instantaneous. However, events have volume in three-dimensional space as does consciousness, so the quantum limits of measurement (minimum size) in three-dimensional space allows the event and consciousness patterns to overlap before they (the points of single field potential that they are made from) can ever reach the single pole.

Once the patterns begin to overlap, the process of 'pattern recognition' begins in the most basic neural nets in the brain of B and the psi event is cognized by one or more neural nets. These patterns could be considered four-dimensional holograms that project as part of our physical reality into our three-dimensional materially curved surface and as such if any part of the hologram is 'pattern matched' would mean that the whole hologram is 'pattern matched' to a greater or lesser degree. Although if only a small part is 'pattern matched' the 'image or matching would be fuzzier. However, this is a random probability occurrence in nature, part of the background chatter of the universe at large among an infinite number of other events and/or only if it is intense enough can it break free of the background chatter.

First, it must make sense in the context of the mind before could it possibly reach whole-brain-coherence and waking thought, otherwise it is ignored as background noise in the brain. And

secondly, if it must have of significance, importance or meaning for psychological reasons within any given person's personal context of memories and thoughts to reach waking mind. With training and experience a person can increase that probability and randomness by learning to 'tune in' to the universe (lowering the neural net threshold for 'pattern recognition') and develop the ability to beat the natural order and develop their natural 'psychic' abilities.

The signal (knowledge) between the sender (event) and receiver (consciousness of observer) thus seems to be instantaneous and does not attenuate, like a three-dimensional electromagnetic wave or gravity, over three-dimensional distance. A person who has reached higher consciousness (spiritual enlightenment) or otherwise experienced it directly (a strong NDEr), or even a person more practiced in sensing the paranormal would have a higher conscious (waking) presence (awareness of extension of consciousness) into the higher dimension and could therefore be better at 'pattern matching' and initiate the process by willful intent.



The person must be able or be aware enough to consciously utilize the specific neural net pattern or system in their own brain that allows them to extend their higher consciousness into the fourth dimension at will and recognize that he or she is doing so, or at least recognize that they are using their higher consciousness in some specific manner in some specific higher-dimensional purpose as practice and/or experience has taught them. This can be called 'projection' of consciousness to initiate 'pattern matching' for a specific purpose.

This form of 'projection' of one's 'higher self' beyond normal and natural limits to correlate and overlap with some other event or consciousness to gain knowledge of that event or consciousness can go two ways: (1) In the case of ESP, clairvoyance, precognition and other common paranormal events, the primary three-dimensional aspects of higher consciousness (B) project awareness to a different parallel three-dimensional surface just 'above' the event or consciousness as shown above. This normally happens randomly and spontaneously but can be practiced and the effect in the brain strengthened to be used later according to willful intent; And, (2) In the case of remote viewing, PK and even healing a person's higher consciousness is extended four-dimensionally in the higher dimension and projected three-dimensionally to the actual event (A) in our three-dimensional world.

PK and healing differ in that the extended higher consciousness A creates energy (Dark Energy) from single field potential in our primary three-dimensional reality by a method like ‘pattern matching’ termed ‘frequency coupling’. No energy is transferred across space and time, in any dimension, since the interaction is completely outside of the same three-dimensional surface or the same three-dimensional quantum ‘sheet’ of parallel surfaces. As a rule, these interactions cannot occur across the same surface of ‘sheet’ as that would invoke the three-dimensional laws of physics, *i.e.*, signal transfer limited to the speed of light, that prohibit such action/reaction events from occurring naturally.

Similar geometric theories of this above type have been developed by other scientists. The most successful was developed by Elizabeth Rauscher. Her model is described as an eight-dimensional metric which is more commonly known as ‘complex Minkowski space’. She has shown that this model is consistent with our present understanding of the equations of Newton, Maxwell, Einstein, and Schrödinger. It also has the interesting property of matching local phenomena to non-local phenomena, as happens in paranormal phenomena, by allowing a connection of zero distance between points in the complex manifold, even though they appear to be different (local versus non-local) according to ordinary three-dimensional observations.

In each case, whether the observers are consciousness observing non-local events paranormally or not, they all require some form of communication between two parallel four-dimensional space-time surfaces, sheets, branes, or portions of our universe suspended in five-dimensional bulk (many times undefined) of some sort. These and similar eight-dimensional theories (double four-dimensional space-times) have a history dating back to the late nineteenth century when the American astronomer Simon Newcomb developed a hypothetical universe with two three-dimensional surfaces with a separate time, separated by the luminiferous aether, to explain Michelson’s negative results to detect the luminiferous aether using an interferometer. In many cases, these geometries use either quaternions or octonions in their mathematical calculations. Or, in the case of W.K. Clifford, biquaternions. Quaternions, as a four-dimensional algebra, seem quite suited to this task.

Others have similar models. William Tiller’s model is based upon an eight-dimensional framework for space-time. Our normal four-dimensional space-time is ‘electric monopole constituted,’ or rather coarse matter is based on electrical forces. The notion that common matter is based upon electrical forces is not new in Tiller’s theory but predates both the quantum and relativity theories. But Tiller also postulates a finer level of reality that is constituted by four added dimensions that Tiller calls a second ‘reciprocal subspace.’ Any real physical measurement contains elements from both subspaces. This reciprocal subspace is ‘magnetic-monopole written.’ In this other realm, normal physical laws such as the speed limit of light do not apply, so information transfer can occur at much higher speeds than matter can. Tiller uses a mathematical system of quaternions to explain his model and how it worked in the real world.

On the other hand, during the 1990s superstring theory expanded to include multiple-dimensional strings in order to unify the five major single-dimensional string models into one unified model. These were called ‘brane’ models, where ‘brane’ a just shortened form of ‘membrane’ which replaced the non-quantum notion of parallel surfaces as used in relativity. The theoretical model was then further expanded by Lisa Randall and Randall Sundrum in 1999. In the first of their two models, called RS1, in which there is only finite distance for the extra dimension between the two branes, but in the second model, RS2, where the two branes are placed infinitely far away so that only the primary brane need be considered as physically active. The distance between the branes, between which mythical gravitons travel, guarantees that the force of gravity is ultra-weak

compared to the strength of the electromagnetic field, thus solving the hierarchy problem. All these theories can be easily incorporated into the SOFT model for a very simple reason.

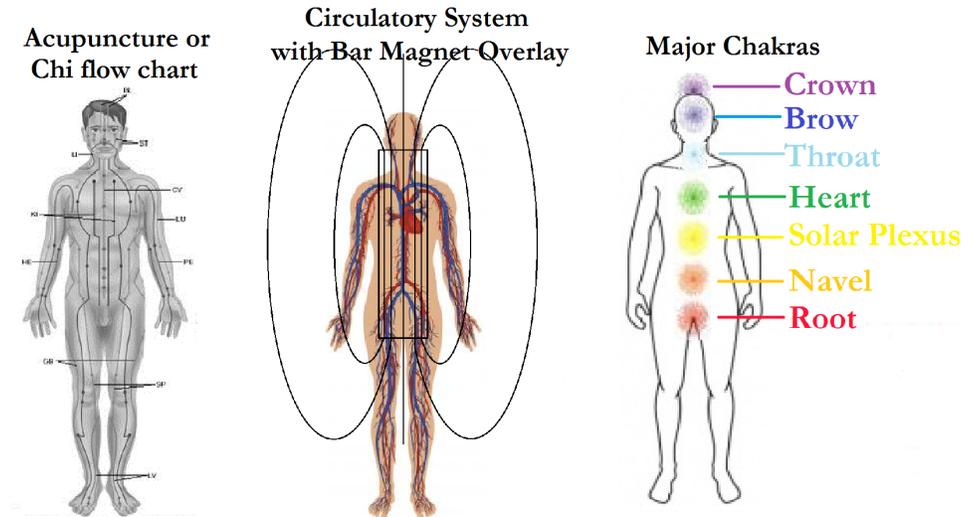
These various theories require some form of a five-dimensional embedding bulk, even though none of these theories attempts to define the bulk beyond giving it the name “bulk”. But SOFT is a theory of the bulk that includes an infinite number of parallel four-dimensional space-time surfaces, branes or whatever others call them, within a closed embedding higher space. These other theoreticians are only looking at bits, pieces and specialized portions of the overall unification accomplished by SOFT.

The Randall-Sundrum model is even alternately known as a ‘five-dimensional warped geometry theory’ because they describe the world in terms of a warped geometry higher-dimensional universe (known as the bulk), or more commonly called a five-dimensional anti-de Sitter space in which the elementary particles (except the graviton), as represented in the quantum Standard Model of point particles (instead of local continuum curvature), are all localized on the primary four-dimensional (a split quantum three-dimensional space plus one-dimensional time) brane. The points of difference here expressed between the Randall-Sundrum model (word differences with relativity theory in parentheses) indicate exactly how that model can be subsumed into the SOFT model. As such, the Randall-Sundrum model is the only model of this type that is acceptable, to one degree or another, within normal scientific community. At least it is not considered a form of ‘alternative’ physics by the scientific community, even though the other models that are quite like it are considered ‘alternative’ physics. Yet all these models can easily be shown to fit into (and probably subsumed by) the more comprehensive SOFT model with just a few modifications.

Healing and manipulating ‘subtle energy’

Remember that consciousness is a whole-body point-by-point magnetic field complexity pattern. The complexity is in the very single field points that your body occupies. Therefore, healing would entail using an ideal and/or healthy pattern stored in ‘higher’ consciousness (A in the above diagram) to ‘pattern match’ and effect the consciousness pattern and therefore the immune system (which is also a whole-body effect) of the person being healed (B in the above diagram). As a point-by-point pattern, four-dimensional higher consciousness normally acts through lower conscious, to mind, to brain (intuition and gut feelings) and then body, but it can also directly interact with the body at the body’s lowest recognizable biological pattern structure or magnetic domain level, which would be the individual cells that make up the living body, all the way up to the whole, as well as and with any portion of the body by tuning into its unique and specific magnetic field structure or signature.

Individual cells interact and communicate with each other by swapping biophotons at the molecular level and these biophotons play an important role in the **E**-field, **B**-field and **A**-field complexity patterns of mind and consciousness. They also create cellular domain level memories that are an integral and vital part of subliminal consciousness that forms a natural pathway for higher consciousness to take advantage of later. This pathway gives higher consciousness a way to interact with the whole-body through its cells. The ‘subtle energy’, Chi, Ki or Prana, that marital arts, philosophers and medical practitioners speak of is no more than the conscious utilization or manipulation of single field potential (called Dark Energy in astronomy and cosmology) collectively through points in the body.



Since this represents magnetic vector potential or the **A**-field distribution throughout the body, a direct relationship between a Chi flow chart, the magnetic field of the body and the chakras is easy to see. The body, when considered as a continuous unbreakable whole rather than a sum of its parts, has a single continuous magnetic field (center drawing), or rather the continuous collective magnetic effect relative to the outside world. But each organ in the body also has its own unique magnetic field structure. And those magnetic domains continue all the way down to the individual cells.

The heart has the strongest magnetic **B**-field even though the brain has the most complex **B**-field domain structure, so the heart rules the overall collective magnetic **B**-field structure of the whole body and thus is closely connected to a person's 'higher' consciousness than even the brain. That could be why we do not more readily perceive our higher consciousness until we directly experience it in some manner, for instance through NDEs and spiritual enlightenment. It is easy to see that the Hindu yoga chakras are points in the body where major organ's magnetic axes cross the central collective axis of the whole-body's magnetic field, and the chi flow and acupuncture points also follow the magnetic map of the body. These charts are healing aids that Eastern medical practitioners use that also demonstrates how the heart and higher consciousness can interact directly with the body when medically treating the body of the practitioner (immune system) or another person, which is to use the overall magnetic field to alter and manipulate the immune system of the body being treated.

We survive death

There is no such thing as 'life' after death unless you consider reincarnation, which is more a case of life after life, and NDEs do not 'prove' that life survives death. NDEs merely give people a three-dimensional look at the four-dimensional afterlife and our true reality. When 'life' ends, no matter whether we are speaking about biological materialistic life or the biofield, 'life force', **me**-field or whatever we want to call that 'something extra' that is 'life' beyond the biological maintenance of the bio-mechanical body, the body dies as do the other purely three-dimensional aspects of 'life' (the **me**-field), mind (**E**-field) and the lower consciousness (**B**-field) complexity structures of a person almost immediately upon death. Biological death is the end of life. The biofield (**me**-field) begins to decay, just as the mind complexity pattern loses control over the electrical impulses that make up the **E**-field and decays and the corresponding **B**-field decays to the individual uncoordinated (due to

complexity field decay) and scattered electrical impulses still active after death. However, the higher-consciousness or four-dimensional **A**-field complexity pattern does not break down and thus survives three-dimensional death of the body/life/mind and three-dimensional **B**-field portion of consciousness.

The surviving **A**-field complexity pattern of single field potential forms the surviving 'body' or spirit as a highly complex single field density complexity pattern due to its ultra-higher-level stability. But be that as it may, the **A**-field carries within its own single field structure, as complex as it is, the lower level virtual **B**-field and **E**-field complexity patterns in the form of its stored memories. The **A**-field becomes a template for the **E**-field mind and **B**-field in three-dimensional space, reversing the order by which it had previously developed and adding its own self and knowledge to the overall universe. So, the **A**-field or higher-consciousness can reconstruct at least the mind and mundane consciousness of a person whenever it 'wants' to interact with our three-dimensional surface or commonly experienced world and it would be this **A**-field pattern that is active in reincarnations with the 'life' of as yet unborn babies. We cannot call what is left of us, our **A**-field higher consciousness complexity pattern, after we die 'life', but it is the end product of our having lived. It is everything we were imprinted into the single field and thus part of the extended universe filled by the single continuous field.

However, the state and condition of this surviving 'higher self' or 'spirit' depends completely on the mental state, true knowledge and overall level of that knowledge, and psychic characteristics of a person's mind/consciousness while living and especially circumstances at the time and of death. In other words, we create our own heaven, hell or limbo depending upon a type of 'karma' that we ourselves developed and grown by our own actions and deeds during our lives. This 'karma' is ruled or guided by one and only one general rule on how to conduct oneself during life to build good 'karma' which increases the presence and awareness of your 'self' after you die and that is to do what enhances the universe and cosmos in its wholeness (the single field connection of everything with everything else). We open ourselves (form compassionate connections) to others, people and living entities, and love (connect our higher consciousness with others) as much as we can, we do not hate (which is breaking the higher-dimensional connections and insulating our true 'self' from others) others or spread hate.

We carry our love and compassion (the higher connections we form) into death and they help establish new extra-dimensional connections after death, while our hate insulates us from connecting and making and new connections after death. The greater our hate and the more people that our hate touches during life and especially in the moment of death, the more hell-like the afterlife is made by each individual for him or herself. And, of course, we do everything that we can to increase our level of consciousness while living, so that we will have some idea (implicit or explicit) of what to expect when we die and the transition between states and dimensions can be completed more readily and effectively. If we add to the universe's knowledge and awareness of itself by being more conscious during life, and the universe pays that back to us, our higher consciousness or self, after we die.

The endgame approaches

But what does this all mean? The whole of existence cannot just be about us, our existence and our supposedly (but not really) accidental awareness of reality. It means that if we work with the universe in this manner, the universe will work with us even before we die and the only way that the universe can do that is through evolution and the further application of the semi-physical pre-consciousness potential field to continually increase our level of consciousness. We already know that we can advance ourselves individually by evolving our own consciousness in the hope that a

higher level of consciousness (spiritual enlightenment) will emerge in each of us. But as each drop of water increases the level of the ocean imperceptibly in a way that we never notice and never even consider, each individual consciousness that increases its level of consciousness also increases the collective consciousness of the Hominid species as a collective whole.

We increase individual consciousness by learning what is the truth of our reality in all aspects of life and especially what is true about the universe itself, which implies learning and practicing science, and by experiencing the wholeness and oneness of the universe as best we can which implies studying yoga, Tai Chi and other whole-body forms of moving meditation as well as traditional meditation (to enhance whole-brain functioning) and deliberate wellness practices. If done properly, these experiential practices prepare the brain (through plasticity of neural nets) and body (through more efficient cellular communication and direct cooperation with consciousness), which affects our genomes to pass the good in us onward, to more efficiently and effectively pass the increased level of consciousness onto the next generation of Hominids.

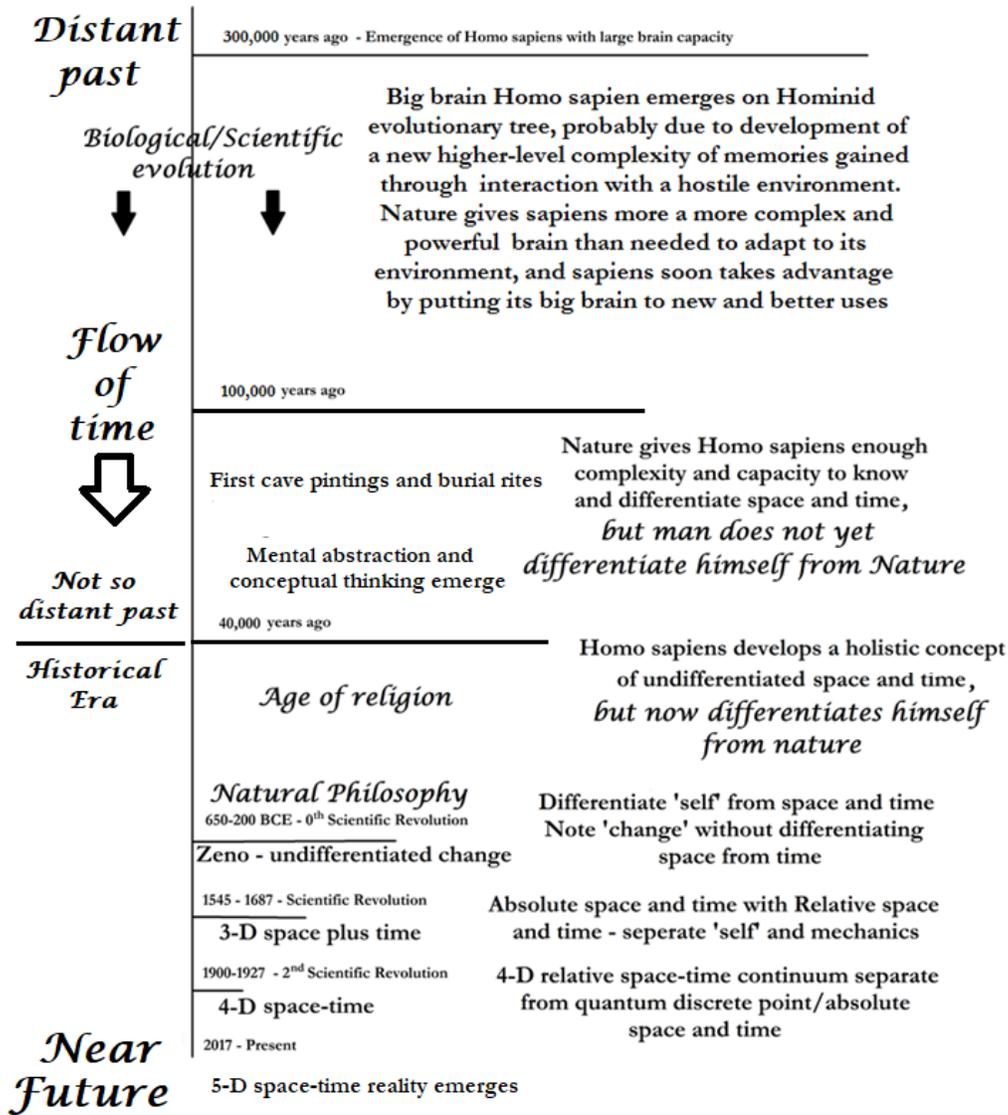
This means that the more we learn about the world, true knowledge of the world and not just opinion and partially factual data and science, the more intelligent we become about interacting with others, the world and the universe, and the more we increase our individual levels of consciousness, the closer we come, as a species, to a new leap in evolution. To this extent, we have now pretty much filled, if not overfilled, those marvelous larger and more complex brains, that nature gave us to fill three-hundred millennia ago. This fact not only means we are on the cusp of a new scientific revolution that will again be led by physics and the consciousness that perceives and interprets the world as scientific and natural, a fact that is obvious to many scientists and academics, but also on the cusp of a new evolutionary leap which will end *Homo sapiens* in favor of *Homo paradoxus*.

The new species, our children and our children's children, will be an evolutionary paradox because we will still be materially three-dimensional creatures, but we will be able to think and act in four-dimensional space since we will be fully cognizant of our higher consciousness and true 'self' as studied and documented in Eastern philosophy, science and medicine. We, the Hominid species, will be born in the very near future with a fundamental framework pre-established in our neural net dominated brain structure to easily become spiritually enlightened, if not born fully enlightened. This moment in our history and evolutionary track must be very close and there already exist a vast amount of evidence, both hard and circumstantial evidence, that supports this conclusion/prediction and the period of evolutionary change is probably already upon us.

A large and important part of the circumstantial evidence lies in our own past, including the last evolutionary jump three hundred millennia ago that gave us larger and more complex brains than were necessary for our immediate survival. That last leap forward, toward higher consciousness, was probably mind driven because we had gained enough memories and complexities of memories in the previous three to five million years of Hominid existence, learning and experience to warrant the emphasis and importance of our new larger and more complex brains to work toward the elevation and development of consciousness through additional learning and experience of the three-dimensional world and inverse at large relative to that which we were able to intuit through our higher-dimensional single field continuity with and connections to the wholeness and oneness of the universe within our newly developed higher consciousness. This 'event' guaranteed that the next step in our evolution will be purely top-down from consciousness to mind to life when our brains have become filled to their capacity and even beyond necessitating need more room and complexity to expand any further.

Certain mental markers, the most obvious of which is our abstract concepts of space and time, both illustrate and tell this story white clearly.

Conceptual abstraction of space and time



The sophistication level of our abstract concepts of space and time are indicators, pointers and signposts to our level of conscious awareness of the world around us and our overall higher consciousness at any given time in our evolution, so tracking them tells our story of further evolution beyond the normal birth and emergence of Homo sapiens.

According to this standard, we have now lived through and completed five distinct periods of our mental evolution since Homo sapiens emerged on this planet and are close to the end of the sixth period. The passing and completing of these periods has been falling closer together in the geological scale of time as each level of our mental complexity organizes and rearranges the previous level more efficiently to better approach the next level. They are: (1) 300,000 to about 100,000 years ago; (2) 100,000 to about 40,000 years ago; (3) 40,000 to about 650 BCE or about 2700 years ago; (4) from 650 BCE to 1545 CE or nearly 500 years ago; (5) 1545 to 1900 for a period

of a little more than 350 years; And, (6) finally from about 1900 to the present or a little more than a century.

These periods of time can be characterized by the evolving conceptual abstractions of space and time in the collective human experience of the external world of reality as: (1) *Homo sapiens* has not yet differentiated itself or the individual from nature in any way especially in terms of abstract conceptual terms of space and time except perhaps in a rudimentary fashion; (2) We develop a holistic concept of space and time, but only begin to differentiate ourselves from the external world of nature; (3) We differentiate our ‘self’ and being from nature as individuals and begin to suspect that ‘change’ in nature is cyclical which is the precursor to abstracting ‘change’ in spatial position and time as logically important to explain nature and our external world. The first evidence of a belief in the afterlife appears in the archeological record; (4) This was a period of rapid fundamental change and mental development that began with the Axial Age, although in the west this period could be termed the Zeroth Scientific Revolution. Philosophy emerges in place of outright religion although religion itself takes on new philosophical and political aspects in a larger part of the world.

The Greek Natural Philosophers of this era first noted that the most common and fundamental ‘thing’ in all of nature was ‘change’ and only later spoke of change in location (space) and time; (5) Next came the Scientific Revolution and rise of physics itself through Newtonianism from Nicholas Copernicus (1545) to Isaac Newton (1687). The new Natural Philosophy of mechanical physics elaborated and clarified the overall human concepts of space and time through reduction for the first time, at first through advances in theoretical astronomy and then through the abstractions of absolute space and time as opposed to relative space and time in the mechanistic worldview. Only relative space and time were necessary to explain the mechanical universe of matter in the new Natural Philosophy and science of physics; And finally, (6) Albert Einstein initiated the Second Scientific Revolution by demonstrating that changes in space are not and could not possibly be independent of changing time and vice versa, thereby binding relative space and time together as a space-time in the form of a continuous whole, Einstein thus gave the abstract concepts of space and time a greater meaning and importance in the inner workings of our physical world than they had ever had before.

Yet, Max Planck’s discovery of the quantum of radiation initiated a conceptual change and subsequent advances in science that by 1927 founded a quantum theory that split space and time apart (as defined and required by the Heisenberg uncertainty principle) in the sub-microscopic world of material reality. This unnatural splitting of space and time has allowed scientists to further mathematize our common physical reality at a level beyond which we can truthfully observe and measure that reality as a measure of the extent to which we can test our external world by unnaturally separating space and time in the laboratory. From these humble beginnings, scientists and other academics who make it their business to study and understand nature and the nature of reality have concluded, faithfully believed and/or at least acted as if modern physics gives us an all but complete picture of nature and physical reality, and that we are moving into a period in history when scientists will complete physics based upon the fundamental nature of the quantum.

But the above time table tells a somewhat different and far more comprehensive story of human past. In reality, the level of scientific accomplishment does not depend on any one specific theory but instead depends upon our level of consciousness, awareness of our ‘self’ (as interpreter and observer) and the universe external to us, so the science that we have developed over the past three millennia is purely three-dimensional even though the existence of a higher-dimensional

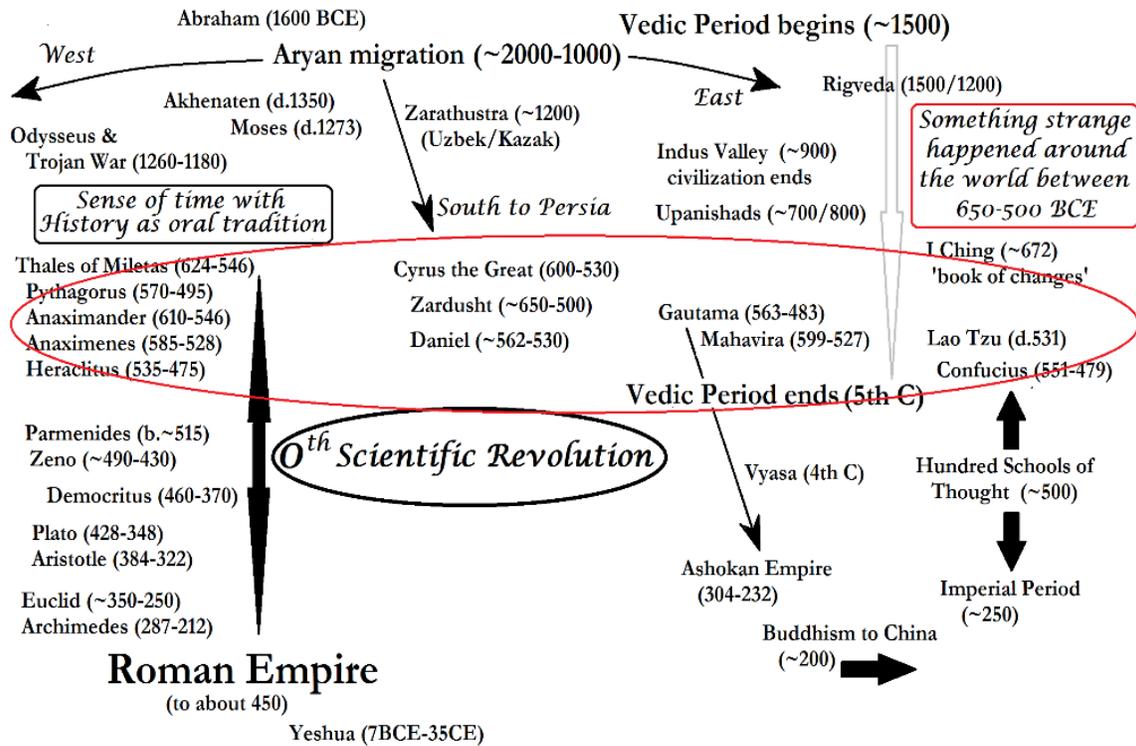
embedding space is implied by that same science. Therefore, our present science, in the guise of modern physics including both relativity theory and quantum theory, are both woefully incomplete.

In other words, the human consciousness as it now understands our reality as observed and interpreted by the human mind only has a partial and incomplete perception of the universe. There must therefore be a much larger physical context for the universe that we, as humans, are not yet quite capable of perceiving through our normal senses. Yet the bigger and more complex brains that nature gave us as *Homo sapiens* three-hundred thousand years ago have now been filled to the brim, they are overflowing, and perhaps even overfilled in some cases, so that many of our western scientific interpretations of the external material world are looking more and more like very imaginative science fiction rather than true science. It is clear from this unfortunate turn of events and can only be concluded that the *Homo sapiens* species is reaching the functional and capacity limits of its collective brain.

As this limit is reached, nature would surely 'notice' and create a new step 'upward and forward' in our evolution which could only be associated with our developing a higher consciousness and that higher consciousness would surely be accompanied by some physiological changes in the brain. So modern science, which some now mistakenly believe has already reached an end, has only reached a three-dimensionally limited plateau before moving to its next level, that would mimic and follow the natural evolution of our consciousness, in that both science and evolution are moving us toward cognizing, recognizing and becoming fully aware of a more complete physical reality with respect to a higher dimension of space.

Science is just beginning to think and reason within the context of the higher dimension of space, while we are also beginning to move beyond just our limited innate intuitive knowledge of the higher dimension to physically manipulate and utilize the higher dimension for purposes of gathering information and data about our true reality. This higher dimension, the fourth spatial dimension as inferred by modern physics, will be the new mental playground on which we regularly and normally experience physical reality after the next step in our evolutionary development. How do we know this? Because we took the first step in that direction nearly twenty-seven centuries ago during the so-called Axial Age and we can follow the progress toward that end since then in our evolving abstract concepts of space and time or space-time (since 1905). We can also see it (we had a preview of the coming evolutionary leap) in the advances in human collective consciousness that emerged worldwide during the Axial Age.

There is absolutely no doubt that something very weird that cannot be explained in any other way happened in the seventh century BCE: We suddenly seem to have started thinking in a completely modern way, simultaneously, all over the world. This change in fundamental thought and attitude has not gone unnoticed by past historians and scholars, although they have not put as much emphasis on the coincidence of change as the change deserves.

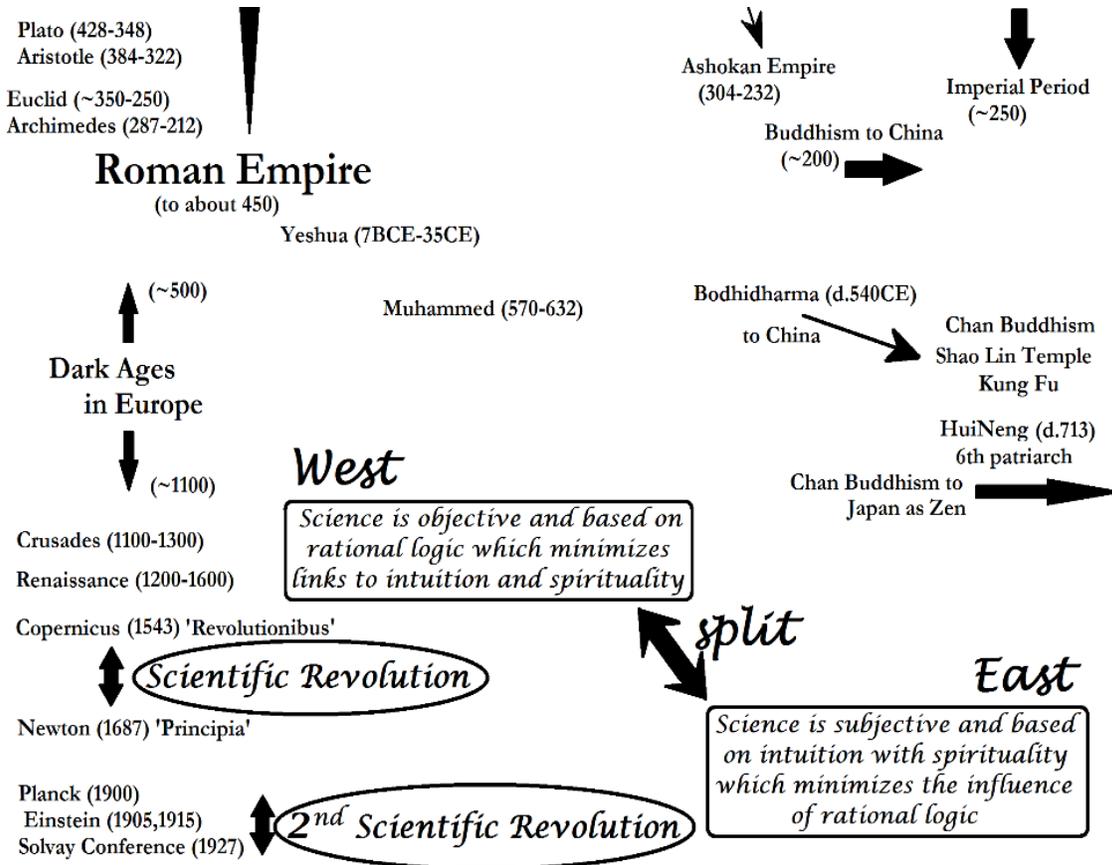


The coincidence of emerging intellectual differences occurring simultaneously in the East and West was first noticed more than a century ago. Historians and scholars have noted this coincidence of history, but none have taken it so far as to view it as a major change in collective human history that amounted to reaching a new level of intellectualism and consciousness. Nor has anyone ever claimed that the secondary split caused by the Greek development of Natural Philosophy amounted to a Zeroth Scientific Revolution that last for nearly four centuries, at least until the Roman conquests of ancient Greece. In China a similar amount of time took the form of a historical period dubbed the 'Hundred Schools of Thought' that ended in the Imperial period and in India it corresponded to the rise and spread of Buddhism down to its maximum influence with the spread of the Ashokan Empire throughout the Indian subcontinent and beyond.

The Zeroth scientific Revolution in the west, from Thales, Pythagoras and Anaximander to Aristotle, Euclid and Archimedes ushered in a period of introspection (logical perception and interpretation of the material world) outward into the external world of reality, while the eastern equivalent beginning with Lao Tzu and Confucius in China and Gautama and the Vedas in India began a long period of intersection inward (looking at an intuitive reality of the mind and 'self' perceiving the external reality of the world). During and after the Axial Age, East and West pursued different paths toward their interpretations of and dealing with physical reality. There is absolutely no doubt, nor can there be any doubt, that East and West developed along two different diverging lines of thought on human thought, two different fundamental worldviews on how to cope with our place and role in the external world, that emerged for unknown reasons during the consciousness awaking events of the Axial Age.

So East and West have taken two different philosophical and conceptual approaches to the further development of the human mind and knowledge of the world, our reality, of mind, body and consciousness. Yet both paths or approaches are equally valid and remain so even though the West has developed modern physics and other modern scientific advances that go beyond anything

in the East. These two approaches have influenced everything to do with human existence and survival if the respective areas of the world where they developed, yet neither is right or correct, and neither is wrong nor incorrect relative to the other and relative to the higher level of consciousness and conscious awareness that characterizes all Homo sapiens.



While a reductionistic science based on logic, reason and observation of the external world (outside of the mind) emerged and was further developed in the West, the discipline of science of the East has been more people-centered, oriented toward the internal intuitive development of mind and consciousness, this eastern science is subjective and based on intuition with spirituality which minimizes the influence of purely rational logic. Western science is instead objective and based on rational logic which minimizes links to intuition and spirituality. Western culture has compensated by the development of grand religious establishments that rule over individuals, while individual spirituality (Taoism, Buddhism, Yoga) without such overriding religious institutions has been better, although not universally, developed in the East. Yet our true reality is one, so these two opposing views must now come together to give us a more complete and comprehensive view of our common reality.

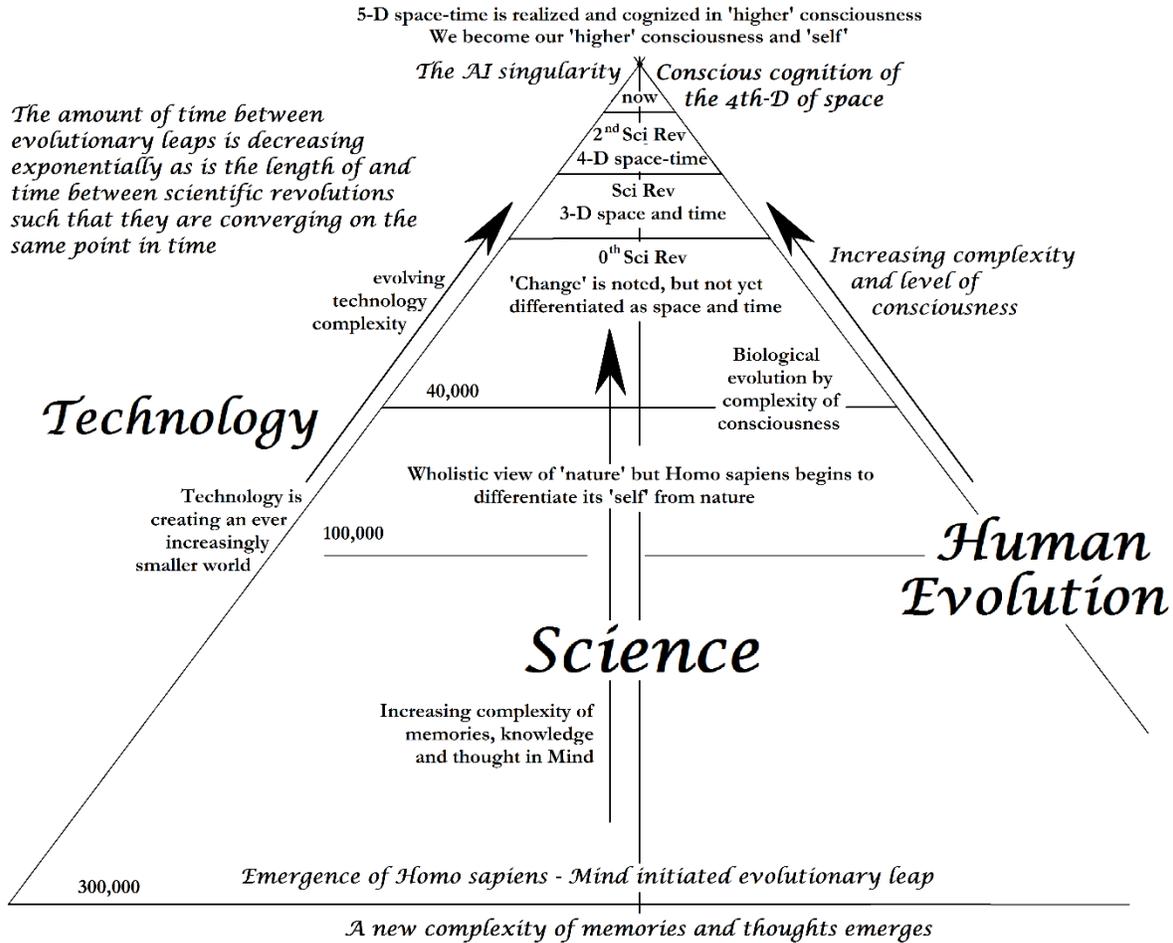
Toward this end, we could almost say that the 'endgame' for Homo sapiens began with the Axial Age, and the split in fundamental philosophies and ways of thought (East and West) that developed during this period of history. It was not so much a split, but rather a recognition that the human mind would interpret the external world in two different manners in all its many and numerous aspects: reduction versus holism in science, the individual versus the collective (state) in culture and politics, discrete versus continuity in modern physics, point versus extension in geometry

and so on. These dualities are the same in the end, and they rule all human three-dimensional thought in one way or another.

And this brings us to the Third Scientific Revolution, which has already begun, and during which Eastern and Western thought will again merge together as something completely new emerges, but not without birthing pains. Eastern thought, paradigms and practices have helped reintroduce Western science to its natural innate internal introspection into the observer that interprets external reality. Western science lost this perspective of internal reality and has failed to consider how it affects the interpretation of nature and our external world, except for parapsychology and the physical studies of the paranormal, during the Second Scientific Revolution which further emphasized to a much higher degree than before materialism and brought reductionism (through the quantum) into its most advanced state. The Heisenberg uncertainty principle reduces the reality of space-time to the uncertainty of space without referring to time and time without referring to space at the very same discrete points where space and time are bound together to determine the reality as expressed in a point-absolute indeterministic background space.

What we have found here in the Third Scientific Revolution instead is the pre-physicality and physicality of the 0-D point/twist Void with its inherent 'primal awareness' that collectively yields the same physical pre-consciousness potential field that directly influences events in relative space-time. Otherwise, science in the form of psychology lost its mind in 1913 and turned instead to developing 'behaviorism' because it passivistically thought that knowing mind directly was impossible the same way the physics adopted the present quantum paradigm because scientists thought that it is impossible to know physical reality directly. So together, the new sciences of mind and science lost consciousness, which is that one 'thing-in-itself' that allows us to experience and know both mind and physical reality, both simultaneously and independently, as they are "things-in-themselves". The only exception to this was those few scientists who dared to study the paranormal aspects of mind and consciousness, but even they did not completely realize just what they were studying.

When we put all of this together against the historical background of our evolving sense of space and time and how we treat them as abstract conceptual realities, we get a pyramid of events starting three-hundred millennia ago (the base of the pyramid) when Homo sapiens first emerged. The three sides of the pyramid represent the evolution of technology, the evolution of science and biological evolution toward higher and higher levels of consciousness.

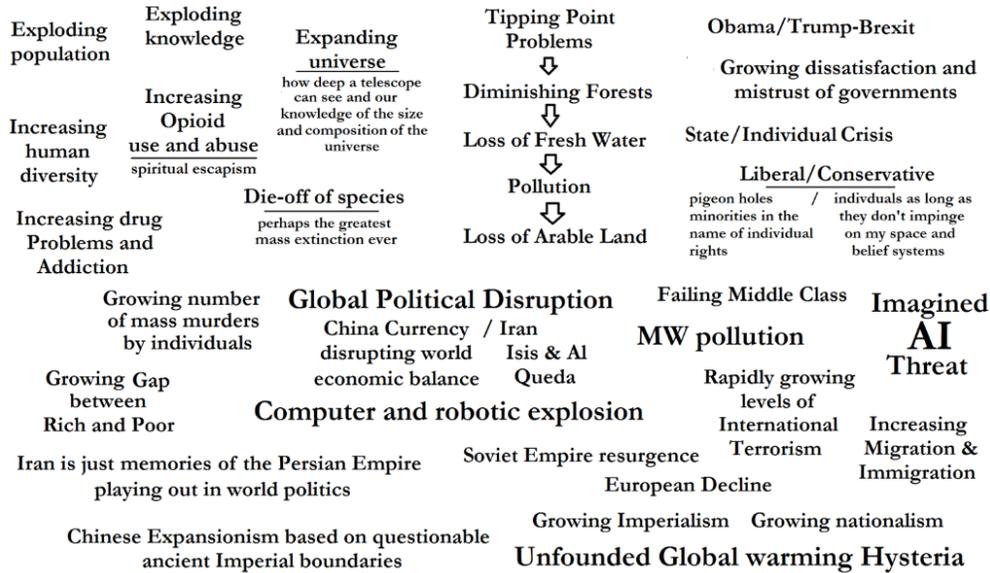


The apex of the pyramid represents a point in time in the very new future where science undergoes its Third Scientific Revolution and realizes the importance and significance of a fourth embedding dimension of space within the context of a full unification of physics and the rest of science. This occurs almost simultaneously with technology and biological leaps forward, such that our technology reaches its highest point of evolution and development with the emergence of true Artificial Intelligence (AI). Commonly referred to as the 'singularity', and where human (Hominid) evolution takes a leap and the Homo sapiens species is replaced at the top of the Hominid line by Homo paradoxus. This point occurs 'tomorrow' on a very sort time scale from today, the present now.

But what about the birthing pains that precede this occurrence? According to Prigogine's principle, when a material and/or physical system moves from one level of stability to another at a lower energy, the system enters a state of maximum chaos before the new complexity emerges at lower energy. This fits the emergence of a new higher-level complexity of consciousness, because awareness of higher consciousness is an energy less process, so as we move toward greater consciousness (more mind) with less emphasis on material being (less brain activity or more efficient brain) we utilize less energy. So, the new evolutionary leap based on increasing consciousness of our greater world of reality that is coming will be accompanied by physiological changes in the human brain, *i.e.*, neural net structures, which render the brain and our awareness of the higher dimensions

of space more efficient and effective. But these changes will not just be internal to mind, they will have real material consequences in our external mentally derived experience of the material world.

In other words, a systematic state of maximum chaos always happens before a new level of stability is reached and since we are dealing with mental issues, and that chaos will appear as some form of mental chaos spreading throughout the world. This chaos has already begun, as demonstrated by the table below.



We are currently being flooded by mental chaos throughout and within our everyday lives, nearly all of which people just do not understand or completely misunderstand. When a young person, who is known to be suffering from a spectrum disorder such as ADHD, Asperger's syndrome, PTSD or such, is going through the ten year period of the late teens and early twenties when the brain completely rewires it self from back to front, walks into a school a bar or some other group of people and starts killing at will, that is a symptom of the mental chaos which we are presently subject to which strikes our very being. Nor can the present and unprecedented political chaos that is presently occurring around the world be discounted as another example of Prigogine's principle.

Given all these problems that Homo sapiens now faces, only two outcomes come to mind. The human species can and could diminish itself and slowly die away or very well destroy itself and/or reduce itself to a mere footnote in the history of this planet, or it can follow simple genetic evolution theory (except that our own consciousness is pushing this step of evolution which is non-Darwinian) and evolve past its present problems, whether self-created or not. And this is what seems to be happening at present.

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