

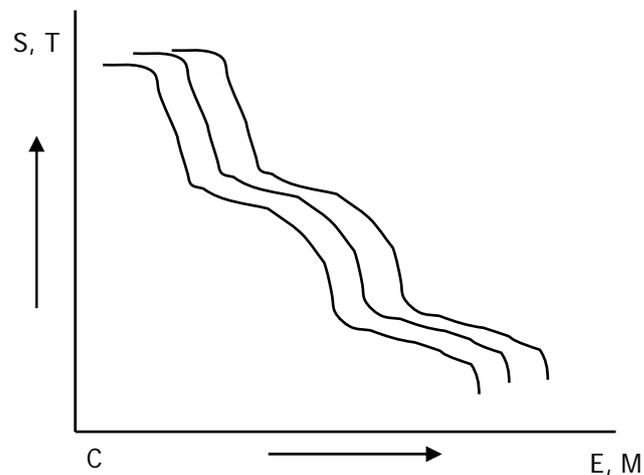
**SPACE TIME CONSCIOUSNESS:  
TOWARDS A SPECULATIVE CONVERGENCE OF SCIENCE & SPIRITUALITY  
THROUGH UNFOLDING OF UNIVERSAL SPIRITUAL CONSCIOUSNESS (USC)**

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There have been two paths to understand reality around us viz. The path of science and the path of spirituality. The convergence between the two has been a matter of discussion both for the scientists and the spiritual realizers. Scientists look at the world from the viewpoint of four 'quantities' viz. space, time, energy and matter. 'Spiritual realizers' see this STEM (Space, Time, Energy & Matter) arising from consciousness. The two paths find their fusion in STC i.e. Space Time Consciousness wherein space and time originate from consciousness, which has been defined as an independent construct. In a three dimensional diagram, space, time and consciousness represent the x, y and z axis. Consciousness has also been viewed as the fifth dimension from where other four dimensions of space and time could be seen and felt.

Newton considered nature's STEM variables from a particular perspective. For him, S, T, E and M are four fundamental independent variables, sufficient to describe many processes in nature. Einstein collapsed space and time into spacetime curvature and energy and matter into  $E = mc^2$ . Thus, four independent variables were reduced into two 'independent' variables. Metaphorically the STEM turned into two leaves of nature's tree. Spiritual views of the origin of universe emphasize that explosion of consciousness into STEM - Space Time Energy & Matter.

When two collapsed variables viz. Space Time (ST) and Energy Matter (EM) are represented as x and y axis, the origin, represents the consciousness as indicated in Fig.1.



**Fig.1: Consciousness & Nature's STEM**

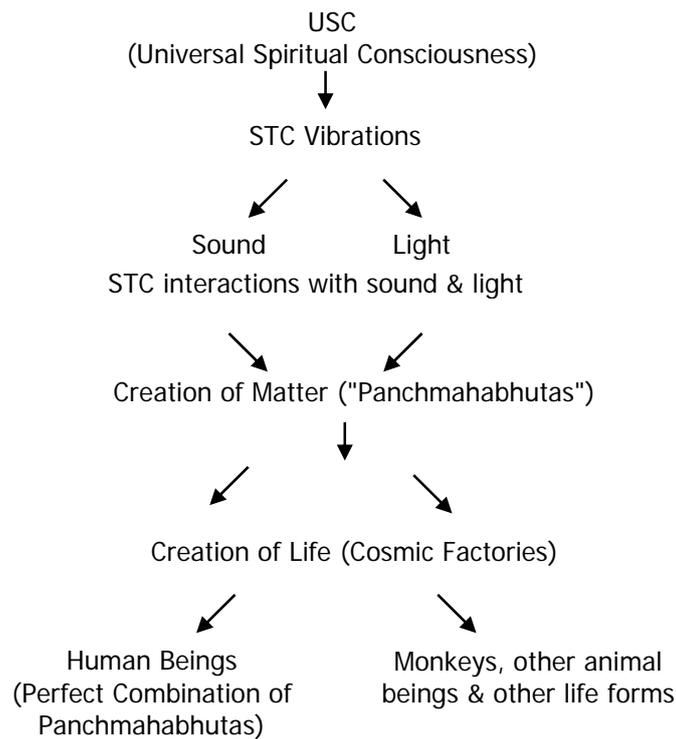
In spiritual view, consciousness manifests itself in the form of two axis viz. Space time axis and the energy matter axis. It also implies that consciousness exploded itself into two dimensions i.e. wave pattern of spacetime curvatures and particles of energy matter. The two dimensions are interactive in nature. Einstein talked about impact of mass on space in the form of spacetime curvature. However, there could also be impact of space on mass. Thus, consciousness is the cause and space and matter are the effect. Mass effects the space leading to spacetime curvatures and space affects the mass leading to spacemass curvatures

and movements of matter. While mass acts on space, space also acts on mass creating spacetime and spacemass curvatures. The movement of matter arises from the impact of the space on the matter. This is a mystic insight of Vethathiri (1992), which needs further exploration.

STC could be viewed as an initial force leading to GOD cycles in nature. By GOD cycles we imply cycles of Generation - Operation - Destruction. A phenomenon that is widely observed in nature. The cycles have varying radii ranging from a 'blinking' to 'yugas'. Since STC force has spread itself in the entire cosmos, we refer to GOD as omnipotent and omnipresent. There could as well be certain spacetime points in the universe where STC force is infinite and if we 'stand' on such points, we may be automatically pushed to other universes physically like Trishanku. These are the 'spacetime elevators' to other parts of the universe. Many mystic refer to such experiences of the STC force. In fact, we need to identify such points and develop a technology to reach such points. For example, if such points to the moon are identified, we can reach moon physically without the help of the spaceship.

STC could also be considered as a basis for origin, emergence, evolution and development of the material world. At the beginning of the world, Universal Spiritual Consciousness (USC) created the STC vibrations. Subsequently, STC vibrations could have lead to creation of sound and light. After creation of sound and light, STC interacts with it leading to creation of matter ("Panchamahabhutas"). A continuing interaction between STC and various elements of matter led to creation of life in varying forms. Perfect combination of "panchmahabhutas" created the human beings and other life forms in the 'cosmic factory'. Some may feel that monkeys were the 'manufacturing defect' of the 'cosmic factory'. In this perspective, the two creations viz. human beings and monkeys are independent of each other. According to this viewpoint, humans are 'direct product' of evolution through 'natural combinations' of panchmahabhutas finding its expression in an 'optimal combination' and not 'indirect product' of evolution originating from monkeys. Thus, STC is at the root of the evolution of life in the universe and varying forms of creative expressions of nature. After the emergence of life, further evolution and development could have been a result of 'natural interactions'.

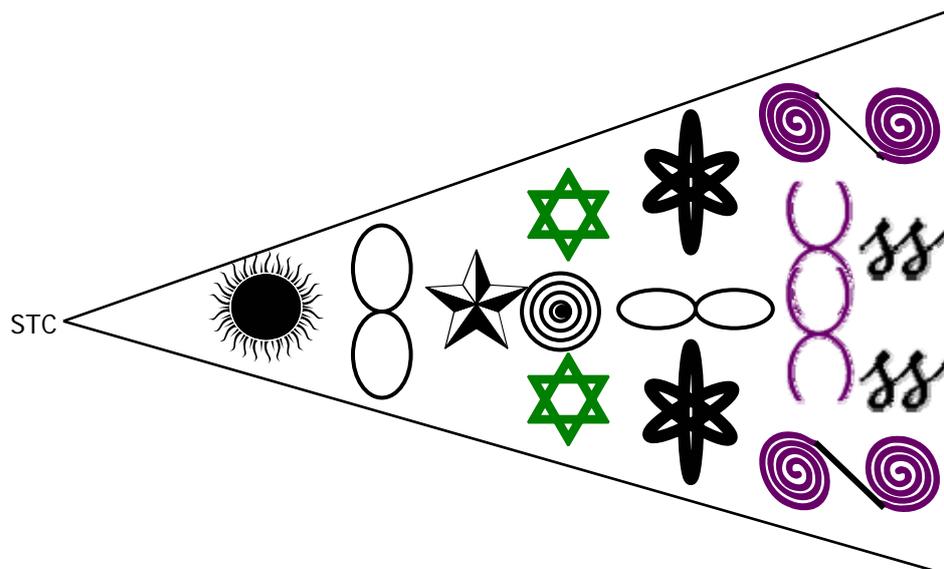
Natural interactions lead to a 'Adaptive Creative Evolution (ACE)' in nature. Evolution is nature's innovation, as nature is inherently innovative and creative. Evolution proceeds through 'adaptive innovation', wherein organisms adapt and act on the environment. By acting on environment, they change the environment. Nature replicates itself, but in the process of replication there is innovation. Thus, there is a 'creative play' in addition to blind mutations. Chance and choice both act in 'natural interactions', leading to new creations through new combinations and thereby leading to ACE (Adaptive Creative Evolution) phenomenon in nature. It may also be indicated that 'natural shocks' could also create 'molecular rearrangements' and thereby creating a transformation in organism's evolution. Thus, evolution could be viewed as a product of 'natural shocks' and 'natural interactions'. Fig.2 presents a view of evolution emanating from Universal Spiritual Consciousness (USC). This could be considered as a new evolution hypothesis, distinct from Darwin's evolution theory. It could also be considered a New 'Theory' of Evolution to differentiate it from the 'Old Theory of Evolution' formulated by Darwin. In the new theory of evolution, arrows of Universal Spiritual Consciousness (USC) lead to different 'arrows of evolution' as a result of the creative interplay of chance and choice. Since, in this theory, USC is at the heart of evolution, we may as well refer to it as 'USC Theory of Evolution'.



**Fig.2: Universal Spiritual Consciousness (USC) and Evolution Hypothesis**

STC also manifests itself in the form of various geometries. Euclidean and Reimmanian geometry are its two well known forms. However, the STC geometry can also be seen in the form of many natural symbols captured through the medium of language by the human mind. In the letter ॐ, the three components viz. ॐ, ॐ and ॐ could represent the space, time and consciousness. Since, languages can be placed within STC geometry they are supposed to be spiritual in nature. No doubt Sanskrit was considered a divine language as its letters represent the 'spiritual matrix' of STC geometry. While its derivative languages retain the full 'sounds matrix', many other languages are only a subset of this matrix. For example, English is only a partial representation of its 'sounds-matrix'. It has only 26 alphabets representing 26 sounds. Some other languages may also belong to this category as they are also varying manifestations of STC geometry. It may also be indicated that while Einstein thought in terms of Reimannian geometry, he did not think in terms of STC geometry because consciousness was not a component in his frames of reference. During his time, idea of consciousness was largely beyond the realm of physics.

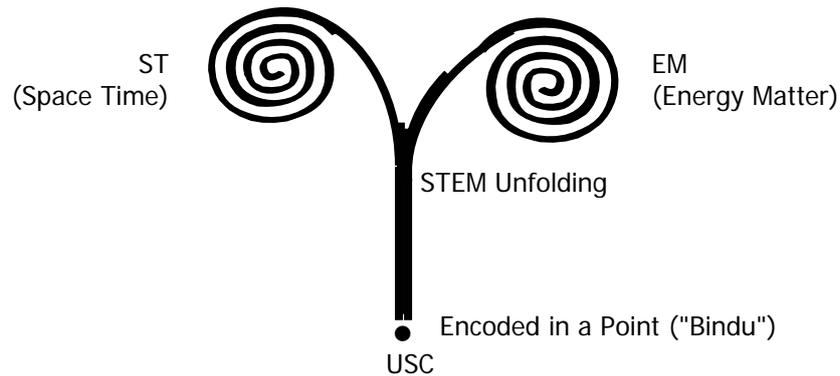
Birth is emergence of STC geometry from an infinitesimal point and death is dissolution of STC geometry into an infinitesimal point. Thus, nature is nothing but the emergence and dissolution of STC geometry. The mystic can penetrate the STC geometry and feel the depth of distances without any microscope or other instruments. The 'field of consciousness' has infinite dimensions on all sides. From its vintage point, one can see the infinity in all directions. This represents a speculative convergence point for science and spirituality. Fig.3 presents some indicative forms of STC geometry emerging from STC point. It may be indicated that religious symbols tend to capture the STC geometry in varying forms. In this Figure, symbol ॐ represents the integration of science and spirituality.



**Fig.3: STC Geometry in Nature**

In the speculative convergence of science and spirituality, Universal Spiritual Consciousness (USC) constitutes the foundational premise for understanding the unity between science and spirituality. Further, it also forms the basis for 'Universal Spiritual Connectivity' of all forms of life and matter. In religion, Universal Spiritual Consciousness (USC) is given varying names and forms. In science, USC is the Unified Force Field revealing itself through Space Time Consciousness (STC). Thus, both science and spirituality have been attempting to discover the deeper cosmic connectivity. In one case, words, phrases and language is poetic, metaphorical and mystical and in other case it is mathematical and striving to be precise. It is indeed interesting that many parallels have been discovered between these two sets of language to define reality around us. Capra has captured many equivalences in Eastern Mysticism and Modern Physics leading to speculative convergence between science and spirituality.

USC is also at the root of all spiritual traditions, which are nothing but manifestations of USC in varying names and forms. Encoded in a point, singularity or 'bindu', USC manifests itself in the form of STEM (Space Time Energy Matter) as indicated in Fig.4. At this stage, STEM is a single variable. It then splits into two variables viz. Space Time (ST) and Energy Matter (EM). Further, splitting creates four variables viz. Space, Time, Energy and Matter. Thus, USC manifests itself through an unfolding process leading to emergence of four 'variables' from a single source, just like emergence of a tree from its seed. When USC reveals itself to an awakened individual in a historical spacetime context, a thought system is born. As a result, people belonging to different thought systems see the same USC in different forms. Different thought systems offer different 'USC Perspectives' through their own STC geometry represented by various symbols, metaphors and even rituals. This realization leads us to a better understanding of the emergence of various schools of knowledge. In future, STC geometry may reveal its new dimensions, that could lead to emergence of new thought systems. Thus, there is a scope for future revelations and revolutions in human thought. This shift could as well be from 'quantum' to 'kaun-tvam'. STC may as well reveal its new dimensions to a future Einstein or a future Shankara. That would lead to a new revolution in science and a new revolution in religion. This is the speculative conjecture for convergence of science and spirituality.



**Fig.4: Unfolding of USC as STEM**

In this paper, we have presented a speculative convergence of science and spirituality through unfolding of Universal Spiritual Consciousness (USC) in varying forms of Space Time Consciousness (STC) manifesting itself through STC geometry in nature. Both science and spirituality attempt to capture the essence of the STC geometry using the approach of science and approach of spirituality. While path of science uses the language of mathematics and the language of formula, the path of spirituality uses the language of poetry, symbols and deeply meaningful words. Therein lies a foundational premise for a speculative convergence of science and spirituality. For example, in spirituality, nature's reality has been captured through well known phrase, "In every Kankar (pebble), there is Shankar (energy)". In science, this reality is captured through Einstein's well known equation,  $E=mc^2$ . While the metaphorical equivalence of Space Time is Shakti, the metaphorical equivalence of Energy Matter is Shiva. Thus, STEM also stands for Shakti-Shiva combination. This indicated that Universal Spiritual Consciousness (USC) also manifests itself in Shakti Shiva form, wherein Space Time (Shakti) is Energy Matter (Shiva) and Energy Matter (Shiva) is SpaceTime (Shakti). Further, SpaceTime itself could be referred to as Shakti Shiva, wherein Shakti represents Space and Shiva represents Time. And Energy Matter could be referred to as Shakti Shiva, wherein Shakti represents Energy and Shiva represents Matter. This indicates that space, time, energy, matter are interchangeable in Shakti-Shiva or Shiva-Shakti forms, indicative of Shakti is Shiva and Shiva is Shakti. This idea is also captured through 'Ardhnarishwar' metaphor, while we have captured the same idea through the concept of 'STEM'. Such insights from two different approaches to understand reality give us the pointers towards a speculative convergence of science and spirituality. This author has captured this speculative convergence through the metaphor of 'Quantum Rope', wherein Quantum is indicative of Quantum Physics and Rope is reflective of Shankara's well known metaphor of Rope or Snake. In 'Quantum Rope', the two find a speculative convergence indicative of future convergence between science and spirituality.

#### **Notes & References:**

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