

A Beautifully Refreshing Perspective of Quantum Consciousness

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ABSTRACT

Consciousness in many splendored things, whose anatomy is under the scrutiny over the years. But still this is a mystery from where did the consciousness came into existence. The answer to such a mystery can be obtained with the help of the most successful physical theory uptill now i.e. quantum theory with some modification can help us predict the mysteries that surround the reality and consciousness. In many ancient Indian excerpts of Vedas. There is discussion of Adwait and Dwait. Adwait is unity and Dwait is duality. According to Vedas both co-exist at the highest level; whereas in the quantum field there is no duality i.e. we can not estimate position and momentum simultaneously. But according to Vedas and various spiritual excerpts at the highest spiritual level there exists a spiritual quantum field in which there exists 'duality at will'. On that note, this paper is an attempt to give new and refreshing perspective on the cosmos and the ultimate reality. It also gives an idea about the Omni quantum spiritual field that exists at the highest domain of reality.

Key words : Consciousness, ultimate reality, spiritual psychophysical dynamics, Omni quantum spiritual force field.

Article Received: 18-09-2017, Published: 10-12-2017

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Introduction:

For Centuries people have tried to understand the abstract nature of consciousness and the effort is still on to unfurl its mystery, but to no avail the empirical evidences and deterministic and logical approaches of sciences falls short in understanding the consciousness. To understand the hard problem of consciousness we have to also understand the concept of macrocosmic universe and human microcosm which runs in parallel realms with the consciousness as a systematic phenomena (Satsangi, 2015). There is two basic parts of understanding a universe one that represents the outer cosmos and the one that represents the inner cosmos. Outer cosmos which represents the materialistic objects which we can also say as macrocosmic universe and the inner cosmos which is more logical and abstract in nature can be represented as human microcosm because for centuries before the origin of the modern science man was considered as the model of our universe since there was similarity in patten, nature and the structure between the human being and the universe. But this ancient theory was discarded by the modern science because the empirical evidence was not up to the mark in understanding the problem of consciousness. To understand the problem of consciousness and its abstractness help can be taken from the most successful modern day theory i.e. the quantum theory with the modified version of

quantum theory i.e. the Omni quantum spiritual force field theory proposed by (Satsangi, 2010). Which deals with the abstractness and mystical nature of consciousness very aptly. Any quantum force field in the physical universe is bound to have duality between mind and matter (wave and particle) and therefore the principle of uncertainty implies that both position and momentum cannot be determined precisely. Similarly, any quantum force field in the region of universal mind is also subject to have duality between spirit and mind and therefore can represent uncertainty (Satsangi, 2013). In the model proposed by (Satsangi, 2010) he has shown a rudimentary modelling framework for cosmic domains. He suitably had modified the basic quantum field theory model to a one of a kind Omni quantum spiritual force field theory which has essential duality in the bottom two regions i.e. (the regions of mind and body) and therefore can represent uncertainty but has certainty in the top region of pure of spirits even it has duality this is a special type of duality known as “Duality and will”. There is uncertainty associated with duality so one would imagine that when one reaches the ultimate source of consciousness, there should not be any uncertainty and such a consciousness is omnipotent, omnipresent and omniscient. This aptly represents one of P.S. Satsangi most famous quotes:

“GOD DOES NOT PLAY DICE.
HE PLAYS BAT AND BALL STRAIGHT AND SQUARE”.

In the ancient Indian Vedic traditions there is a discussion over Adwait and Dwait. Adwait is unity and Dwait is duality, so at the highest spiritual level both co-exist. This represents

duality i.e. (duality at will). Which is present at the top most region of the cosmos i.e. (Region of pure spirits). There is duality not because the spirit is subjected to uncertainty but it is the

“duality at will”. Spirit at that level may choose to stand apart from the creator who is the primal source of the consciousness as a “devotee” and worship and witness the supreme lord (God). However, alternatively, a spirit-entity may choose to remain merged with the creator as a part of the creator. So it is the duality at will which is very consistent with the Radha soami faith as well as the research of prof. P.S. Satsangi. Therefore, it becomes very important to think about these concepts on a twin vantage point i.e. through the realms of the science and the realms of the religion. This paper provides one such view of Omni quantum spiritual force field which is consistent at the highest point of the ultimate reality.

Quantum Theory

Quantum theory is considered as the relevant theory in understanding the discussion of cosmos, since it being the most successful theory of physics giving clues of the deepest mysteries of the cosmos. It is the theory of the observables in which the information is the fundamental quantity and reality of life that represents the major part of the inner cosmos i.e. the spirit and the mind. This is very important in understanding the concept of consciousness. John Archibald Wheeler used the slogan ‘IT FROM BIT’ to stress that our construction of reality is based on the responses on our instruments to yes-no questions. He declared that all things physical information is theoretic in origin and this is participatory universe (wheeler, 1990). Where the term participatory implies that how observation effect any information. That represents actor-observer effect which in turn effects the universe and the cosmos. In quantum physics, the evolution of a system or an object

is represented by $|\Phi\rangle$ as shown by schrödinger.

$$i\hbar \frac{d}{dt} |\Phi\rangle = H|\Phi\rangle$$

This represents that a quantum system is a superposition of many wave function or many possibilities that makes the system probabilistic in nature as compared to the view of classical physics. Since quantum theory is the best theory known to understand the cosmos which in its own right probabilistic in nature. Outer cosmos and the inner cosmos represent each other because they are similar in nature, pattern and structure. On that note, we can say that inner cosmos is also a system of endless probabilities, endless information unless we choose one and only one possibility represent our consciousness. Since it represents a one of a kind spiritual quantum system which apart from having duality it shows uncertainty. That is here exists a special kind of duality known as “Duality at will”. Quantum information is an important and integral part in explaining the ultimate realities of the cosmos.

Quantum Information

Information consists of symbols, media for storing and transmitting the symbols and an interpretational infrastructure that establishes the meaning of the symbols can generate and decode the symbols and can take action based on the symbols. Dictionary definition of information focus on knowledge, facts, figures and data. At any level of analysis like Chronosystem, Mesosystem, Microsystems, likewise in quantum system also we are surrounded by information around us. This information can be of any form which actually forms our perception, experience which leads to developing a memory of a small child which he uses in his day to day life when he turns an

adult to the rest of his life. Information can be found in every sense of thing in an inner cosmos and outer cosmos. At the material level of analysis i.e. in this world information is represented in the form of symbols, letters or artifacts etc. which are the basis of our forming an image about a particular thing or an object. Likewise, at the quantum world everything is in the form of information but this information is more probabilistic in nature. Here we can take an example of simple home computer. A computer understands input given to it and generates the output according to the command given by the user. This input given is in the human readable form but computer being a machine converts every command into the binary information or binary digits i.e. 0's and 1's to perform the user desired actions. This is valid for all machines but if we deal with more abstract topics like the consciousness and the region of true spirits information can be represented not only in the form 0's and 1's state but also in the form of odd prime numbers (3,5,7..etc.) i.e. there are two or more states of information at this level. These quantum bits of information are known as Qbits. Quantum information represents the different state an electron can be at such a minute quantum level. An electron at such level not only limited to 0's and 1's form but also to the qubit state as well. Taking the leaf out of the past researches we can say that human brain also works at certain spiritual frequencies that can be represented by numbers thus we can say that we can take help of mathematics to solve our problem of consciousness. Since every number contains a different meaning and information attached to it. It is very important to understand the number system and how numbers can be used to represent consciousness.

Consciousness

Consciousness is the ability to have a sense of selfhood and experience to feel wakefulness. It is consciousness that conjures up the seamless variegated chunks of sensations, thoughts, memories and emotions that occupy every walking moment. But still the mystery surrounding the term consciousness is not solved. Many theorists in the past and in the recent times have tried to define consciousness with a different view and theories but still there is a missing piece to this zigsaw puzzle. In my view, consciousness defines our very existence in this universe. It can be said as the seed of birth which is present in every living thing on this planet. Here, seed represent a mathematical number 'zero' which according to many Hindu literatures regarded as the sacred number. The number that also represents the origin of the universe. Most of the scientists and philosophers consider the brain as a computer and consciousness as a property emerging out of the brain through very complex mathematical computations. However this view doesn't account for scientific testability. The reason why this is still a mystery is that rational science deals with objectivity to perform some sort of scientific testability. But it does not take into account the subjective and abstract nature of consciousness. For example, it is the light that the observer uses to throw on the object but not the light itself. It is something which cannot be proved or shown by the rational science method but a mix of rational science and some philosophical and spiritual account can be used to understand consciousness. The same problem of consciousness is very beautifully tackled by the ancient Indian sages and saints. Indian Vedic systems and scriptures tried to explain this mysterious concept in a very easy and

sound way. Consciousness is described as the ultimate sacred truth in ancient Indian texts and its study is lauded as the highest science. This views life and consciousness in a completely opposite view to the western view which depends more on scientific methods rather than spiritual or abstract. But recent researches incorporating different fields in to one field have lead to see the consciousness as some thing more than a matter which leads to the change in the Scientific attitudes towards consciousness due to the recent advances in neurophysiology and also because the modern physics and computer science are confronted with the question of the nature of the observer. In many ways the study of consciousness is centre-stage in the discussion of modern sciences. On the other hand, considerable part of Indian thought is devoted to the question of consciousness. Although a part of this tradition deals with philosophical issues. There are other aspects like yogas and tantra that deals with the structural aspects which can be easily traced in the ancient Vedic and upanishadics scriptures. Now we can easily see in many recent researches that the ancient Vedic theory of consciousness and the theory of quantum mechanics and neurosciences are intriguingly similar or have some parallels in there results.

In Vedic theory which dates back to 2000 B.C. or less. According to which awareness is termed as the reflection of the hardware i.e. the brain provides an underlying illuminating principle of awareness called self (k.subhash, 2011). This approach allows one to separate question of the tools of awareness, such as vision hearing and mind, from the person who obtains this awareness. The person is the conscious self, who is taken to a reservoir of

infinite potential. But the actual capabilities are determined by the neuronal hardware. This hardware is compared to a mirror which represents the clearest structure to focus the self, i.e. humans perform better than animals. Within the frame work of this theory humans and other animals are persons and their behavioral distinctions arise from the increased cloudness of the neural network of the lower animals. Self awareness is the phenomena of association stored and the self. Modern scientific viewpoint, living systems are dynamic structure i.e. they are defined in terms of the interaction with the environment their behavior reflects their past learning, history in terms of instincts. Living systems can also be defined recursively in terms of living subsystems. The experiments of kornhuber indicate that it takes 8/10 sec for readiness potential to build upon the brain voluntary action begins. According to libert the mind extrapolates back in time by about $\frac{1}{2}$ sec or so the occurrences of certain events take place. So, consciousness is not an epiphenomena as it processes of unity, it should be described by Omni quantum wave function. That's why Omni quantum consciousness could be the ways to represent consciousness .Since consciousness represent oneness or unity. It can be beautifully understood with the help of mathematics in mathematics also the number zero is used to represent unity which can be used to unveil the mystery of consciousness with the help of mathematics.

Mathematical representation of unity

Representation of singularity can be done with the help of a mathematical number zero. And how this singularity represents the occurrence of all other numbers. Zero can also be

considered as the sign of nullity. And many in ancient texts it is regarded as the starting point of everything. This number also has utmost importance in the number system. But in the modern mathematics it is never considered as the symbol of nullity we only use zero as its magnitude and don't pay much attention to the sign when we use some other number. In my view, zero or shunya is the starting point of everything and the ultimate reality is hidden in

this mathematical number because it is the starting point from where all other numbers came into existence. But we never consider zero as a symbol we only use it as a number which some how hampers our approach to understand the number zero. Some of the examples can help better understand the concept of using zero as a number as well as consider its sign. For example:

Consider the numbers like:

1/0, 0/0, 0⁰ These numbers are considered as not defined or indeterminate.

Suppose: $0/0=1$, $0/0=2$, $0/0=3$, $0/0=4$ So on.

Using zero as a symbol we can prove that all numbers are generated from zero.

For ex. $A/B=C$ step 1

$C \times B = A$ step 2

Like wise, $0/0=1$ $0=0 \times 1$. Or $0/0=-2$ $0=-2 \times 0$. Case 1

$1 \times (-) = (-) \times 1 = -1$ or $10 \times (-) = (-) \times 10 = -10$. Case 2

$1 \times 0 = \{1\}$ or $-2 \times 0 = \{-2\}$ This represents potential

Consider: $0/0=10/1$ Step 1

$\{1\} = \{10\}$ After cross multiplication

Potential of 0 at 1 = potential of 0 at 10.

$\{1\} \neq \{10\}$ Shows numbers are generated from zero.

$0/0=1/1$.

$\{1\} = \{1\}$. Case 3

Case 1: Represents the zero as a symbol not as a numerical quantity where zero is the sign of nullity.

Case 2: Represents how we can use zero as a symbol. Here we have made use of zeros potential which we can use as a symbol. Which is designated by the symbol “{}”.

Case 3: shows the generation of numbers from the number zero.

Using it as a symbol gives us the complete number system which is the pillar of mathematics and science. The importance of zero or shunya can be found in the ancient Indian scriptures like Vedas and Upanishads and many texts related to yoga discuss about the zero position or (shunya Samadhi). Which is considered as the ultimate path to connect to God or in many texts can be considered as a symbol of ultimate spiritual consciousness.

Zero in ancient India

In the Brihadaranyaka Upanishad sage yajnavalkya was asked by his pupils to explain the nature of Brahman, universal consciousness the sage replied. ‘Neti Neti’ English translation: ‘Neither this nor that’ such is Brahman. This

definition sounds enigmatic. But within this mysterious concept lies the profound philosophy of existence, which can be understood in terms of mathematics. If we look for a mathematical numeral equivalent to the upanishadic ‘Neti Neti’ it is zero, because zero

is neither this nor that, it is neither positive nor negative. Therefore the Vedas proclaim: 'Aum Kham Brahman' Meaning Brahman is shunya or zero! Hence Brahman =0. Literally it seems zero is nothingness. However from an elemental perspective it is not so otherwise 10's and 1000's would have never been quantified. The figures would have remained simply 1. A zero placed before the numeral '1' would not have added value to it. According to Panini zero is 'Adarshanam Lopah'. It indicates an entity that does exist, but it is invisible. Zero therefore represents mysterious elements that have an unseen and unfathomable existence.

Oneness and consciousness and life

Consciousness is the medium of separation through which we experience oneself or oneness i.e. one light many colours. Albert Einstein famously said "Matter is energy and energy is light" we are all light beings. In this sense we can infer our inherent universal oneness at source. Our nature is holofractal i.e. just as the single fractal contains infinite fractals within it, oneness contains infinite facets of consciousness. Conversely just as every separate piece of a shattered holographic plate contains the entire image of the hologram, each consciousness contains the totality of oneness with in it. Without separation, the singularity of oneness cannot fully experience itself. Analogous to the white light of the sun, it cannot express its full potential without the medium of a raindrop to act as the prism for refracting the light and unveiling the rainbow of colours that inherently lie hidden with in its spectrum. In layman terms we can say that light is oneness passing through the medium of our consciousness which acts as the prism for fulfilling its potentialities in what we experience as "life". Each quantum consciousness co-creates and experiences life uniquely much in the same way that the sun sunlight's angle and speed produce a certain colour of the rainbow (while making the other)

as it passes through the raindrop. Our consciousness similarly repercruss the probabilities of oneness and subsequently unveils and hides the different level of awareness, colouring life uniquely for each person. This produces the condition necessary to lead a life-path that is vital to the soul's integration of potentialities we have yet to fulfill along our journey through oneness. With the understanding of oneness paradoxically masquerading as separation via individualized consciousness, we can begin to understand and appreciate the different degree of awareness that manifests here on earth at this time. We can now view them not as lesser or greater than other levels of awareness, but as the necessitous, strategic unveiling and masking of oneness experiencing itself.

Conclusion

In the present study a unique model of consciousness is presented in a very unique way which incorporates the researches from the west and the philosophical and spiritual orientation from the east. In this study emphasis is given on how we can take a cue from mathematics to understand the concept of consciousness for that emphasis is given on the number zero or shunya because in ancient India and other ancient philosophies of the east zero is been regarded as a sacred number which is related to the origin of the life. According to the holofractal nature of reality a single fractal of hologram contains information about the whole hologram. Likewise, the information in the single fractal of a number zero contains the important and unique information about the origin of life and consciousness. And how in a single fragment of zero the whole universe lies if we break down according to the human body the whole 'shabad and spirit' current information lies which is the most important and understanding that current of Omni quantum spiritual force field will lead us to the

new way of understanding the life and the reality.

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Cite this paper as: Vashisth. S (2017), A Beautifully Refreshing Perspective of Quantum Consciousness, *International Journal of Science and Consciousness*; 3(4) : 84-92.

**International Journal of Science and Consciousness (IJSC): a Bio-Psycho-Spiritual approach
Published by the Research Foundation for Science & Consciousness, Uttarakhand, India.**