

# Consciousness as Foundation of the Physical World

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## Abstract

All animate and inanimate bodies are developed or expanded or unfolded in the similar manner. We found several lives like humans, other animals and also plants in our Earth having distinct identities and with some common properties like birth, death and consciousness, similarly there may be possible of several distinct physical world with distinct identities but a common feature like birth and death having with consciousness. Our physical universe seems to be expanded due to red-shift of light from the distant galaxies but actually nothing, only due to unfolding from another phase to the existing phase of energy for developing a complete sensitive body. We consider a new structural model of atoms in the primary stage beyond the Standard Model of Physics called Super Unified Gaussian Energy Group SU(11), whose subsets are as  $SU(6) \times SU(5) \times U(1)$  instead of Unified Gaussian Energy Group SU(5), whose subsets are as  $SU(3) \times SU(2) \times U(1)$ , where we found a new world of primary atoms or elements in wave form of energy other than the existing secondary material atoms or elements which are very much essential for us specially for the treatments of medical purposes.

**Keywords:** New Atomic Structure, Nucleus, Black-Hole, Consciousness, Quark-like particles.

## I. Introduction

There is no consensus yet on how the universe initially came to be, the general assumption is that perhaps an energetic fluctuation caused the universe to tunnel into the existence from quantum foam. The question of why the large energy of the universe is in a dark, i.e. not found in practical, the observed vacuum energy is so small in comparison to the scales of particle physics is known as cosmological constant problem. It is generally thought to be easier to imagine an unknown mechanism which would set vacuum parameter exactly to zero and so it can be considered that there exist several unifications from the very beginning of the wider universe and hence entropy always increased accordingly said by the Ludwig Boltzmann in 1870. These class of symmetry groups (a Generalized Gaussian Energy Theory GGEG) can be expressed mathematically as SU(11) whose subsets are as  $SU(5) \times SU(6) \times U(1)$ ; SU(23) whose subsets are as  $SU(12) \times SU(11) \times U(1)$ ; SU(47) whose subsets are as  $SU(24) \times SU(23) \times U(1)$ ; .....so on.

The common characteristics of the great religions is the *symbol of light*; the profusion of gold in statues, temples and sanctuaries tries to reproduce the light, symbol of the invisible mystery of divine presence. The path of man in search of light is witnessed by cultural anthropology.

The famous scientist James Clerk Maxwell shown that all kind of light is electromagnetic radiation waves.

Considering as Consciousness is an electromagnetic force created by the high energy groups  $SU(6)$ ,  $SU(12)$ ,.....etc. in their respective frame-works of  $SU(6)\times U(1)$ ;  $SU(12)\times U(1)$ ;.....etc. with short wave length and high frequincies, scattering everywhere.

The invention of all the modern techniques for experimental studies of the living brain required quantum theory, such as NMR scanners or the comprehensive computer-based data processing. That, of course, is only a secondary aspect. Much more important is that all biochemical processes are based on the emission and absorption of bosons. Moreover for systems usually termed “macroscopic”, like nerve cells, the accuracy of quantum theory may become relevant in instable situations, which are a characteristic of living beings. Whenever high accuracy is required, quantum phenomena can no longer be ignored. Often, however, it will be sufficient to deal with the reduced accuracy provided by averaging a great many similar quantum processes. This may create the misunderstanding that the accuracy of quantum theory is not necessary.

In encountered of the condensed matter physics, e.g., in the description of the conduction electron sea, excitons, magnons, polarons, polaritons, etc. (Ashcroft & Mermin, 1976). This is very important in view of the potential importance of quantum effects in biology and in consciousness where not only are systems of many particles considered, but they function at high temperatures compared to those typically encountered in quantum physics then so called various kind of complex living cell bodies.

## **II. New Model of Atomic Structure**

We consider primarily, there exists a new model of atomic structure beyond the Standard Model of Physics called Super Unified Gaussian Energy Group  $SU(11)$  [whose subsets are as  $SU(6) \times SU(5) \times U(1)$ ] or Revised Standard Model of Physics instead of Unified Gaussian Energy Group  $SU(5)$  [whose subsets are as  $SU(6) \times SU(5) \times U(1)$ ] hence assuming with a new atomic structure like as the existing atomic structure where black-hole in the new model as the nucleus remainig at the centre of the atom-like and a lumps of matter around the black-hole like as electrons moving around the nucleus. In our new model the strong force may be compared with the energy group  $SU(6)$  instead  $SU(3)$ , as well as weak forces like by  $SU(5)$  instead of  $SU(2)$ . We found an interesting phenomena in our model that the strong force of  $SU(6)$  with all other rest new energies formed all new unknown energy particles with waves forms which creates like consciousness etc. other than existing known matter particles etc. The nucleus of the new model of atomic structure are in a state of Black-Hole with strong gravitational forces towards the centre-like of the new atoms and filled with new unknown particles/elements in wave characters [which are very much essential for us specially for the "Treatments of Medical" purposes] instead of proton, nutron, meson etc. and after the symmetry breaking of GUTof  $SU(5)$ , the so called weak forces then produced a "Lumps of Matter" instead of electrons, positrons etc. Physically it

may be compared with Spiral Galaxies like etc. there is a continuous process for merging of two or more galaxies with black-holes or division from one setup to others like cell divisions of biological tissues till to the formation of a complete conscious non-living body or live bodies, like humans etc. The above situations are only possible when the Physical Universe advances slowly after the symmetry breaking of SU(23), then rapidly after SU(11),.....,etc. until it produces like matter energies after the symmetry breaking of the Unified Gaussian Energy Group SU(5) that means by SU(3), SU(2) &U(1) by exchanging the bosons of the latent energy group of SU(6) into the bosons of SU(5) in the Super Unified Theory of SU(11).

Considering with the above stated new model of the formations of atomic structures of bio-atoms or molecules after creating “Soft Matters”[as explained by [Pierre-Gilles de Gennes](#)] by the GUT energy group SU(5) whose subsets are as  $SU(3) \times SU(2) \times U(1)$  from exotic matter fluids of dark energy with the help of the strong new energy sources SU(6) called latent energy groups for completing a live body inflated around an axis with “Navel” as a centre, which is to be compared with the creation and expansion of a Physical Universe from Wider Universe through the so called Big-Bang Singularity with the structure formations as “Spiral Galaxies” or “Galaxies” keeping a “Primordial Black-Hole”(PBH) or Black-Hole at the centre points filled with exotic matter fluids [considering black-hole is a state of phase changing from Wider Universe to Physical Universe comparing with Gas-Vapor-Liquid-Solid states that means exotic matter fluids (like vapor states) changes to ordinary matters(like liquid or solid states) by the latent energy sources of SU(6) then everything] and hence we found a “Lumps of Matters” around the Black-Hole with Void-Spaces filled with new energy sources as explained in my previous articles for completing clusters, super-clusters etc.

We illustrate the scenario with an example of changing phase and matter states like Gas-Vapour-Liquid and Solid where it was found a common energy called latent heat with critical (Currie) temperature for changing from Gas to Vapour states. Consciousness is an electromagnetic force with short wave length, scattering everywhere and high frequencies created by the high energy groups SU(6), SU(12),.....etc. in the respective frame-work of  $SU(6) \times U(1)$ ;  $SU(12) \times U(1)$ ;.....etc. produced like of X-Rays. Which was only possible due to the theory of the Super Unified Gaussian Energy Group SU(11) where the Jk-bosons of the energies group SU(6) are therefore tightly binding the quark-likes particles and then gradually formed protons-likes, neutron-likes,....etc. all other new unknown quasi-particles in vapour-like phases of Physical Universe may have been five times or more strong that of the usual protons, neutrons,....etc. or creating much more new unknown particles which are very much essential for medical purpose such as for better and critical treatments which are quite impossible to create from Hadrons, Hyperons, Nucleons,...etc.and then it is possible to increase the strength of these new unknown particles gradually as like as increasing the atomic numbers or masses of usual matter atoms and hence it may be found heavy bio-molecular living matter atoms etc. and then created multiple bio-molecular cells combining with nonliving matter atoms which was produced by GUT of SU(5).

### III. Conclusion

The basic idea is to investigate if there are other quantum network architectures that could be operating in our universe or in the brain or other parts of the living body and as well as our physical world. First of all, we need to revised the standard model of physics for living and non-living matters started with the symmetry breaking of the Super Unified Gaussian Energy Group SU(11) instead of non-living 4-dimensional matter universe clarified by the standard model of physics with the GUT symmetry breaking of SU(5). We introduced a series of new energy sources SU(6), SU(12),...etc. other than SU(5) i.e., SU(3), the so called strong force; SU(2), the weak forces and U(1), the electrodynamics; with a Generalized Gaussian Energy Group starting from the infinite space-time as explained in my previous articles where it was assumed that in quantum theories of consciousness with others of our physical universe made by the new energy sources explained details in my all articles are responsible for creating consciousness, as well as lives,.....etc. in the case for livings and nonlivings. In the theory of consciousness it is suggested that consciousness is a fundamental property of the universe. Thus Consciousness, mind, emotions etc. may be created by the incomming flux of light waves (i.e electromagnetic radition waves) created by SU(6),....etc. in the framework of SU(6)×U(1);...etc. with the existing electromagnetic energy waves created by the weak energy group SU(2) etc. in the framework of SU(2) )×U(1). Energies of SU(6) created gravity as well as quantum gravities for the formation of a complete living bodies and also for non-living bodies with definite shape and parts like stars with its planets,.... etc. and marges or separates from galaxies, etc. with black-holes etc. similar like as in living cells with its various parts and then cell divisions,....etc. We assumed SU(6) with all other new energy sources SU(12), SU(24),...etc. created consciousness etc. and various new unknown particle or elements in wave forms which are not known till to the dates accordingly non-visible to our instrumental apparatus. The  $J_k$  bosons of SU(6) binding quark-likes [like as known energy particles quark, leptons, etc. binding by gluons etc. formed several new atoms or elements] created forces getting much more new unknown particles which are responsible for binding between all other chemical compounds and like polymers in bimolecular cells or binding several compound elements although which formed different ions created different electromagnetic waves but coherently behaves like as a single wave in that cases the new energy forces of SU(6) playing a vital role. These  $J_k$  bosons of SU(6) are so strong that it changes the exotic matter fluid into ordinary matters, and it also responsible for the cell divisions and others in Bio-molecules/Atoms etc. whereas all material parts created by the elements/atoms of the Unified Gaussian Energy group of SU(5), that means where quarks are binding with the gluons created protons, neutrons, electrons,...etc. the matter atoms increased their atomic numbers and formed hydrogen to heavy atoms and the so called empty space were filled with the unknown particles or quasi-particles formed by the latent energies of SU(6) by creating a strong force. Thus our universe always filled with new unknown energy sources as mentioned before instead of nothing. A particular amount of material substances are always created by exchanging the bosons of SU(6) into the bosons of SU(5) and hence then seemed to be expanded our physical universe.

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