The Origin of living matter

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Abstract:

The animate and inanimate bodies are developed or expanded in the similar manner. The physical universe expanded from Big-Bang singularity scheduled by the consciousness energy groups SU(12), SU(6),.....etc. but the situations created slowly after the symmetry breaking of SU(23), then SU(11).....etc. then by rapidly unfolded matter energies by the symmetry breaking of the unified Gaussian group SU(5) by exchanging the bosons of the latent energy group of SU(6) into the bosons of SU(5) in the theory of the Super Unified Gaussian Group SU(11) and then J_k–bosons of conscious energies SU(6) are therefore tightly binding the quark-likes particles and then gradually formed protons-likes, neutron-likes,....etc. quasi-particles having masses may have been five times or more that of the usual protons, neutrons,....etc or getting much more new unknown particles which are very much essential for medical purpose i.e., for better and critical treatments which are not essentially possible by the creation with Hadrons, Hyperons, Nucleons,...etc. of SU(5) and after then it is possible to increase their strengths gradually of those unknown particles like as increasing the atomic numbers or masses of usual matter atoms and hence we may also found heavy bio-molecular living matter atoms etc. and then created multiple bio-molecular cells combining with nonliving matter atoms produced by GUT of SU(5). Thus living matters always created by the energies of the group of SU(6) together with all other atoms/elements/compound elements/mainly covalence-compounds....etc. which was formed only together with the nonliving matter energy groups of SU(5) as, encountered in 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. Material substances created by the Unified Gaussian Group SU(5) by the directions of SU(6) with some suitable situations when it is possible to create bio-molecules that means all then chemical elements created from hydrogen, nitrogen, carbon,...etc. to heavier elements or compound elements by the quarks are tightly binding with gluons etc. of SU(5), and hence the inanimate particles then ready for the creation of the animates that means the situation when it is possible to consider to produced biological molecules or other units like single cell then gradually multiple cells with DNA/RNA pairs, Chromosome pairs,....etc. where most of the organic compounds which are mainly constructed by the co-valence compounds or compositions or constituted like polymers which are also tightly binding by the J_k–bosons(latently)[details of J_k–bosons explained in my previous articles] of SU(6) and also created strong electromagnetic forces[in theory of SU(11) where the latent energy group of SU(6) are created so strong forces relatively the weak forces of SU(5)] (that means in comparison to the chemical elements or compounds elements of atoms/molecules etc. which are constructed by the quarks binding with gluons ....etc. are weaker than some of the unknown new particles formed by the quarks-likes binding with J_k–bosons) and also creating strong currents by SU(6) in the frame-work of SU(6) × U(1) like the weak force SU(2) created a weak current in the frame-work of SU(2) × U(1) then ready for dynamical situations within the living matters or cells or lives etc.

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 existing physical universe. These class of

symmetry group(a Generalized Gaussian Energy Theory) can be expressed mathematically as SU(11) ⊃ SU (5) × SU(6) × U(1); SU (23) ⊃ SU (12) × SU (11) ×U (1); SU (47) ⊃ SU(24) × SU (23) × U (1); .....so on.

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.

II. Chemistry to Quantum Biology

Extensions of quantum mechanics to chemical compounds and chemical reactions proved to be exceedingly successful and an entire field of quantum chemistry was developed as a consequence. In order to understand the creation of chemical bonds, especially covalent bonds in which electrons are shared between atoms of a molecule, a quantum mechanical wave function must be introduced into the formalism. All chemistry including biochemistry is based on the creation and destruction of bonds between atoms and hence on quantum interactions, so living systems, like non-living systems, depend on quantum states at the level of chemical bonds. The same can be said about biochemical reactions taking place in the brain such as ligament binding to receptors sending signals through neurons. However, these types of quantum physical properties found in living systems are considered due to the bindings by the J_k–bosons of the new energy source SU(6). In particular, the unitary oneness and inability of living systems have suggested that higher level quantum properties such as Bose–Einstein condensation, quantum coherent superposition, entanglement where explain some of the more enigmatic features of life in general and consciousness in particular. In the present dissertation we consider the quark-like particles are tightly binding by the J_k–bosons of the new energy source SU(6) in the theory of Super Unified Gaussian Group SUT of SU(11) created much more strong new unknown particles may be assumed as proton-likes, neutron-likes,…etc. much more several characters created bio-molecules like as hydrogen to heavy atomic numbers elements or compound elements and also created an strong electromagnetic forces or currents by SU(6) in the frame-work of SU(6) × U(1) including all other necessary energy groups SU(12), SU(24),….etc. as explained before may be required for dynamic of the living bodies to operate in biological systems creating like consciousness, minds,….etc. which may created from single cell live body to multiple cells bodies by together with quarks of SU(5) which are tightly binding by the gluons of SU(3) formed protons, neutrons, electrons,…etc. of the chemical matter atoms or molecules and mainly co-valence compound elements specifically Carbon & Hydrogen, Nitrogen,…etc. based elements of the nonliving matters with a weak electromagnetic force created by the weak force of SU(2) in the frame-work of SU(2) × U(1).

III. Conclusion:

The basic idea is to investigate if there are other quantum network architectures that could be operating in the brain of the living body. First of all, we need to revised the standard model of physics for living matters started with the symmetry breaking of the Super Unified Gaussian Energy Group SU(11) instead of non-living matter 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), SU(2), U(1), a Generalized Gaussian Energy Group starting from the infinite space-time as explained in this article where it is assumed that in quantum theories of consciousness of our physical universe where these new energy sources are also responsible for creating consciousness…..etc. in the living or nonliving matters. In the theory of consciousness it is suggested that consciousness is a fundamental property of the universe. Energies of SU(6) created gravity

as well as quantum gravities for the formation of a complete living and also for non-living bodies with definite shape like stars with its planets,…. etc. and 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 in the universe including living organic cells like in the earth planet. The J_k bosons of SU(6) binding quark-likes and 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 are so strong that it changes the exotic matter fluid into ordinary matters, and 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 the residue new energy sources in different phases assuming our universe 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) for the particular expansive physical universe or within its parts for complete shaped like as cluster/galaxy/star/planet/animal/human/tree…..etc. hence there is no any absolute vacuum.

References:

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