

Review on alien civilizations

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Abstract:

The Diamond unification hypothesis has had some achievement in bringing together the two long-go powers of nature, EM and gravity, and has accomplished this dependent on straightforward models, yet can anticipate the proton mass and Newton Gravitation steady to high exactness without free boundaries. Hence, this GEM-inspired investigation of the short-run powers of nature: the Powerless and Strong associations, is completed in the equivalent soul of material science, that of utilizing basic physical models to accomplish a basic count of observables. Such a soul existed in the beginning of the quantum period. In that period of Planck, Bohr and Einstein, established researchers encountered an abnormal new universe of nuclear scale phenomenon and reacted with straightforward, but radically new, physical ideas and perspectives. Fruitful early models of that type are the Bohr Model of the Hydrogen molecule and Uhlenbeck and Goudsmit's model of the turning electron. The issue of feeble and solid atomic powers and expectation of the Higgs-Boson mass from the GEMS (Gravity electro-attraction solid) unification hypothesis John Brandenburg Morningstar Applied Physics, LLC, Vienna, Virginia 22182, (USA) Email: jebrandenburg@madisoncollege.edu The GEMS (Gravity Electro-Magnetism Strong) hypothesis is stretched out to the issue of Weak also, Strong Nuclear Forces and the issue of the Higgs Boson mass, as the start of an exertion to incorporate short range Nuclear Forces in the fruitful GEM unification hypothesis. The presence of a minimized 5th measurement is found to make subatomic structures whereupon surface resonances and Mie scatterings happen, and these resonances can give rise quanta, called, here, mieons, that intervene atomic powers. In the Kaluza-Klein hypothesis of EM and gravity, a 5th power field called the iRadion emerges as a scalar, with a mark number of the Radion connection in the GEM hypothesis: ≈ 42.8503 . Higher request resonances off the electro-static radii of the electron, proton and 5th measurement size type of the GEM hypothesis, create the quanta with masses of the pion $m_{\pi} = 2 m_e \approx 140.0 \text{ MeV}$ and Z boson: $m_Z = 2 m_p = 80.4 \text{ GeV}$. The ρ meson $m_{\rho} = 2985 \text{ GeV}$ is related to the 5th measurement compactification power intervened by the Radion field. Another molecule related with is the Radion dissipating quanta off the fifth measurement with a mass $m_{\rho} \approx 127.7 \text{ GeV}$, which is the Higgs-Boson. Gotten : July 5, 2012 Acknowledged : September 7, 2012 Distributed : September 15, 2012 Abstract Ful Paper *Corresponding author's Name and Add. John Brandenburg Morningstar Applied Physics, LLC, Vienna, Virginia 22182, (USA) Email: jebrandenburg@madisoncollege.edu Catchphrases

Pearl unification hypothesis; Quantum electrodynamics; Weak power; Strong power; Exchange boson; Mie dispersing; Higgs Boson. id9026453 pdfMachine by Broadgun Software - an incredible PDF author! - an extraordinary PDF maker! - <http://www.pdfmachine.com> [tp://www.broadgun.com](http://www.broadgun.com) tron, which represented observables with straightforward models, and even now, fill in as a reason for more complex understandings. The GEM hypothesis is a mathematical hypothesis, that is an amalgam of the Sakharov [7] and Kaluza-Klein hypothesis [8] approaches to the unification of EM and gravity, the two long-run powers of nature. The hypothesis is genuinely crude, being portrayed as a Bohr Model of field unification at this point, by similarity to the early basic model of the quantum mechanics of the hydrogen particle. Notwithstanding, the Diamond hypothesis is effective in clarifying the fundamental relationship of EM and gravity power handle, that the texture of spacetime is electromagnetic, and gets the field conditions of both with the 5th measurement of Kaluza-Klein and by connecting the presence of the proton and electron, the least vitality end individuals from the Lepton also, Baryon families as a couple of fields, to the presence of the power field pair of gravity and EM. The GEM hypothesis finds the estimation of G and the mass of the proton as far as the Planck mass, both to high exactness, with out free boundaries, subsequently. The GEM hypothesis connected the presence of the electronic charge and molecule span, as a shrouded measurement size, to the presence of the mass size of the sub-nuclear particles, the electron and protons. Be that as it may, it is presently perceived that the GEM hypothesis made an entryway to understanding the two short range powers of nature the Weak and Strong atomic powers, on the grounds that in binding together gravity and EM in a mathematical hypothesis, it created a geo-metric scale system for atomic particles and the system for their cooperations. The GEM hypothesis delivered the image of EM powers between charged items as well as additionally between uncharged structures that can be broadened to incorporate short-run atomic powers. Thusly, the GEM hypothesis can be stretched out to clarify the Weak and Strong powers dependent on two hypotheses: 1. The electron and proton show up as resonances off the Kaluza-Klein 5th dimension size of the Radion or mass instigating field made when EM and Gravity independent; 2. Second request quantum Mie scatterings off the EM structures of the electron what's more, proton and the 5th measurement itself make boson fields related with Strong Weak and Mass initiating fields. In the Kaluza-Klein 5th dimensional hypothesis, whereupon the GEM hypothesis is based, a 5th power field, a scalar field called the R-field or iRa-

dion field [9], must exist with massless quanta. This can be seen heuristically in the setting of the SU(5) hypothesis of Georgi and Glashow[10], with SU(5) representing an uncommon unitary 5 dimensional gathering, where each measurement can be related with a balance and a power field, with the R field and its quanta being related with the 5 h measurement. Be that as it may, similar to all power handle, the R-field must have a communication vitality with particles that must change their mass by means of $E=mc^2$ ideas, on account of the Radion field it creates all the rest-mass, as opposed to a little addition. It is found in this point of view that the Strong and Weak Forces, which are short-go are intervened with first-request branching or quantum Mie scatterings of the R-field and quantum EM field off the mathematical structures related with the electron and proton individually. An enchanted meson low-mass state is related with the size of the 5 th dimension itself and an expanding from this meson creates a quanta of the mass in the range anticipated for the Higgs-Boson. Consequently, the Higgs-Boson happens in the all-inclusive Pearl hypothesis, and as in the Standard model is related with the field that makes mass. In the following area, it will be quickly demonstrated that the majority of the interceding quanta at low energies for the Weak, Strong and Radion field the Higgs-Boson can be produced. Notwithstanding, this part will be just initial and direct the path toward cautious study the Strong atomic power in the GEM setting. The Weak atomic power has as of now effectively bound together with EM power by Glashow, Weinberg and Salam[11], prompting the fruitful expectation of the mass of the Z and W vector Bosons. We will hence focus essentially on the relationship of the Strong power to EM, which is the long-extend power generally dynamic in the subatomic scales. In the rest of this article we will portray how an expanded electrodynamics from the GEM 5 th dimensional hypothesis prompts a large group of unsteady particles and that these new particles lead to new power fields outside the proton, prompting the arrangement of cores, and furthermore to shading charge electrodynamics. At long last, we will talk about the unification of both the long-and short-extend powers of nature in a five dimensional universe through the resulting GEMS SU(5) balance bunch in an augmentation of crafted by Georgi and Glashow[10]. Here, we will bring instruments utilized in the unification of gravity with EM. In the first place, we will start with the GEM formation of the electron and proton as pair of particles symmetric in control however, topsy-turvy in structure, mirroring the asymmetry of structure of existence. The presence of the Kaluza-Klein fifth measurement originates from the parting of a minimized light-like spacetime stretch, the main spacetime span viable with the vacuum, and that this triggers the show up of both the proton and electron from the vacuum ZPF and the different appearance of the EM and gravity power.