

Theory of Everything :Systems Tends to Attain Equilibrium

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About The Author:

Author hails from interdisciplinary academic background & Work Experience in following fields

- Computers and Communications
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In Author's perspective view every object has its own view point for the same reality. Author's description of the theories are from Authors view point about reality. All feedback on this citation are truly appreciated as It would be helpful to build a generalized theory.

“Everything occurs for a reason; science discovers these reasons “

Lord Rutherford once Said
"All Science is Either Physics or Stamp Collecting" .

Physics can be treated as the basis of all that happens in the universe. Most generalized definition of Physics can be stated as follows.

"Any measurement of movement , change of state of matter / wave can be studied under the Domain of Physics" .

Above definition of Physics can describe basic phenomenon Not just the from Quantum Mechanical perspective but also the theory of creation of Universe , Electromagnetic Spectrum to Wave Theories.

To find out the reason behind the existence of everything one need to speculate the largest and the smallest object in the universe.

LHC at CERN is one such experimental setup to find the existence of smallest particle . Experiments confirmed the possibilities of existence of smallest particle called Higgs Boson exist. And It is said that Higg's Boson is the primary particle that is responsible for the creation of everything . Higgs is considered as central particle around which entire mass of the object gets concentrated. Based on similar arguments ,there exist various theories about the creation of Black Holes and existence of Dark Matter.

When Proton is bombarded in conditions imposed by the experimental setup. It generates various short lived particles. The life span of these particles is perception of time and is limited by Planck's Limits. Such interaction also releases energy. Such Interaction is assumed to be similar to the early stages of formation of universe. It is proved that any interaction would release some amount of Energy.

Energy travels in the form of Electro-Magnetic radiation , these E.M radiation gets absorbed by the other particles formed during such event.

Whole system undergoes through various cycles of **E.M emissions and absorption**. Such emission and absorption of E.M radiations forms a four dimensional Fourier series pattern in .To measure the dimensions of such pattern one can assume Minkowski space in Four Dimension.

State of a system in which a Particle is excited due to any external source of Energy radiation is shown in Figure 1.

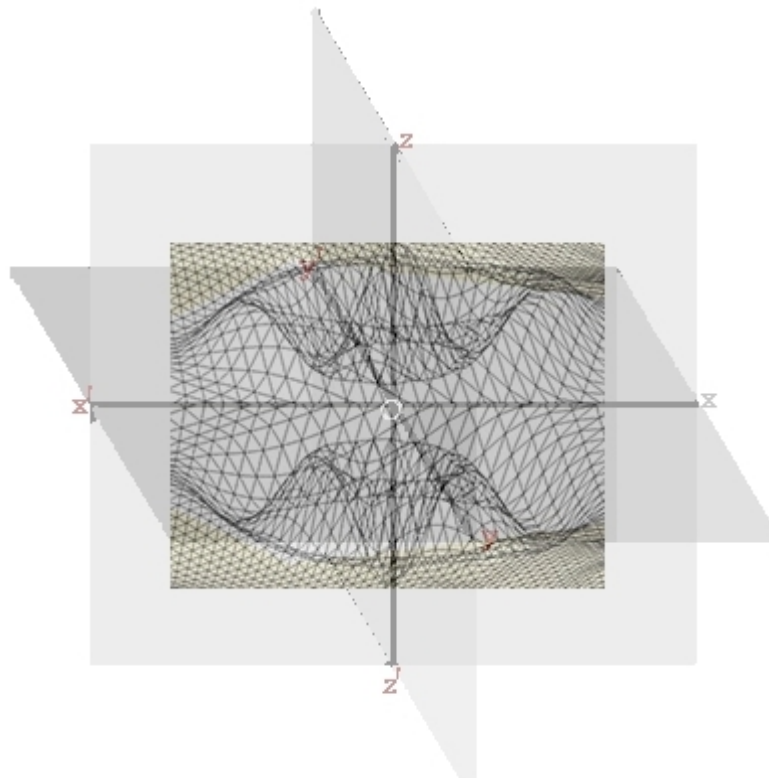


FIGURE 1.

The Process of E.M. Energy Exchange initiated at some point "O" in above Minkowski Space diagram ,Continue till the entire system attains an equilibrium state. This process forms a Fourier series pattern as in double slit experiment.

When E.M. Energy of appropriate wavelength is absorbed by a particle its sub-particles jumps to an excited state just like electrons as in case with atom. Sub-Particles do not remains in excited state and it released energy when it jumps back to the ground state.

Energy absorbed by particle at the center "0" will release the E.M.Energy of the same order when it regains its ground state.

Energy released by particle at the center "0" is absorbed by the particles around the Centrally placed particle, but energy absorbed is of less wavelength than the previous one . The Process continue till the entire system attain equilibrium.

Such absorption of E.M.Energy results in four cases as stated below.

1. Creation of Mass due to energy absorption.
2. Energy dissipation due to Work / displacement.
3. Generation of Heat due to increase of Entropy.
4. A mix of above cases.

Creation of Mass indicates that a Mass formed due to Energy Absorption . This can be thought equivalent to "Capacitance" of E.M.Radiation.

Energy dissipation due to work/displacement can be thought equivalent to "Conductance" of E.M.Radiation.

Generation of Heat due to such absorption can be thought equivalent with the "Resistance" of E.M.Radiation.

Such property of E.M.Absorption and E.M.Emission obey Maxwell Equations.

In an continuously interacting particle system connected through Inter-exchange of E.M.Energy , every sub system tends to gain the equilibrium. Such process of attaining equilibrium by one sub-system may disturb the equilibrium of the other sub-system.

***Equilibrium theory States that Everything that Occurs
in universe is an effort to attain equilibrium between
the Radiating Body and Absorbing Body.***

The Equilibrium Theory suggest that the Universe that we observe is not finite . The only thing that is changing is the number of radiating and absorbing bodies.

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