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Chinmoy Bhattacharya

Austin Paints & Chemicals, India

Novel quantum gravity interpretation of chemical equilibrium, free energy, dark energy and dark matter of the universe

The conventional concepts of the free energies of the matters of the universe, have been revisited in regard to free volumes of matters and a new concept of the free energy variable has been put forward based on the concept of quantum gravity. The phenomena's as for example, equilibrium constants of the chemical reactions, their dimensionalities, and the spontaneity criteria of chemical reactions have been revisited in light of the dimensions and geometrical shapes of activation volume /energy graviton, entropy graviton, rate constant graviton and order of the chemical reactions as defined in the recently discovered theory of quantum gravity (QG theory).The origins of evolution of dark energy and dark matters of the universe have been clearly elaborated through the newer concepts of free energy and the concept of QG theory respectively. The existence of the several equilibrium in nature of the dark masses with the phenomena's of EM wave, the plasma state, cosmic rays, photo-electricity, antigravity , black-hole,..etc have been clearly revealed.

Biography

Chinmoy Bhattacharya is a PhD in Polymer Physics from India in the year 1988. He then did his post-doctoral studies on Polymer physics of liquid crystals in Laval University, Canada and be back to India in the year 1991, he joined paint Industry ICI INDIA LTD. He continued his research work on quantum gravity and theory of relativity and has recently come up with an altogether new unified quantum gravity theory. He has about 12 publications in Polymer national/international journals and his work on Cosmology, Theory Quantum gravity Dark Matter

chinmoy00123@gmail.com