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Second horizon of unified physics - Macroscopic densities and thermodynamics

In the spacetime, from the internal symmetry and antisymmetry of the first horizon, the spacetime duality forms up the second horizon as the group effects of a conserved current, characterized by the spacetime components of standard coordinates inherent from the first horizon. Associated with the space or time fields of primary state, the internal nature produces each of opposite dualities as complex conjugate, integrity of which statistically represents the Macroscopic Densities. Meanwhile, the spacetime dynamics of the symmetric system aggregates quantum objects to represent thermodynamics related to macro energies, statistical works, and interactive forces towards the second horizon of macroscopic variables for processes and operations characterized as a bulk system, associated with the rising temperature.

Biography

Chong Wei Xu, a Chief Architect at Verizon Communications USA, focuses on dialectical nature of philosophy and sciences is to uncover topological framework of the universe, to develop a full intrinsic structure of the entire elementary particles, to derive the duality principles of spacetime manifolds, to present the unified physics under a horizon topology, and to heuristically demonstrate the origin of physical states. Since 2013, he has demonstrated the enlightenments of groundbreaking theories in Particle Physics and Unified Physics. He holds the BS and first MS degrees in Physics from Ocean University of China and Tongji University, and the second MS degree in Electrical and Computer Engineering from University of Massachusetts.

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