

Conjunction of relativity and quantum mechanics theories by discrete supersymmetry of space-time grain of nucleons and re-building new non-relativistic classic physics

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Abstract

Probably many scientists will be agree on the statement that nature does not distinguish difference between the laws describing different scales, such as nuclear scale interactions of quantum physics and planetary scale of relativity. These theories cannot merge to one fundamental concept to present whole nature, therefore cannot be a complete theory even if they describe different scale interactions. Nature may select only one concept, combining all kind of changes and forces, which could describe its existence and conservation laws without probability. Therefore, unification of these theories based on the concepts, applied before, such as quantum gravity, relativistic quantum theory, quantum field theory, string theory, and renormalization will not solve the problem due to the application of principles of energy conservation based on continuously differentiable function.

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