

Deterministic Quantum Field theory in Compact Space-Time

We propose an unexplored quantization method in field theory. It is based on the assumption of dynamic space-time intrinsic periodicities for relativistic fields, which in turn can be regarded as dual to extra-dimensional fields. In a generalization of the AdS/CFT correspondence, we obtain a unified and consistent interpretation of Special Relativity and Quantum Mechanics in terms of Deterministic Geometrodynamics.

Primary author: Dr DOLCE, Donatello (Institut für Physik (WA THEP) Johannes-Gutenberg-Universität)

Presenter: Dr DOLCE, Donatello (Institut für Physik (WA THEP) Johannes-Gutenberg-Universität)