Special Issue

Quantum Spacetime and Quantum Relativity

Message from the Guest Editor

Quantum/noncommutative geometry is widely expected to be the geometric setting for the model of spacetime which is valid to the deep microscopic domain, for which the commutative/real number geometric models of classical physics would be approximations. Noncommutative geometry is mathematically the geometry behind a noncommutative C*-algebra, to be realized as an operator algebra. The observable algebra of quantum theory is naturally such a type of algebra, and hence, noncommutative geometry is essentially quantum geometry. Quantum relativity symmetry is the idea of relativity symmetry applied to quantum geometry. An approach to obtain such a quantum relativity from a classical one may be given by deformed special relativity. This Special Issue aims at promoting ideas and research on or closely related to the notion of quantum spacetime and quantum relativity. For detailed information, please visit here.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2020)

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Impact Factor 2.6
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Message from the Editor-in-Chief

The multidisciplinary journal *Universe* is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

Editor-in-Chief

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