

Finite Quantum Gravity

Saturday 26 September 2020 11:35 (20 minutes)

In this talk, I will present the first construction of the theory of quantum gravity completely free of UV divergences. I will show the successful construction in the framework of quantum field theory of gravitational interactions. Moreover, I will relate the enhanced symmetry properties of this theory with fixed points of RG flow and ensuing quantum conformal invariance. The implications for the absence of classical GR-like singularities will be presented as well.

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