

The Search for Quantum Gravity

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zoom

In this talk I will describe what I mean by the theory of quantum gravity, motivate the search for this theory, and outline the progress made in this search.

In particular I will explain that the so-called AdS/CFT correspondence of String theory leads to the complete (nonperturbative) construction of a set of 'toy models' of quantum gravity.

I will describe these theories and outline some of the lessons learnt from their study.