

# Spectral methods in Causal Dynamical Triangulations

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Causal Dynamical Triangulations is one of the present promising numerical approaches to the problem of Quantum Gravity.

Motivated by the current lack of observables encoding geometric features at all scales, I will present a new set of observables based upon the analysis of eigenvalues and eigenvectors of the Laplace-Beltrami operator of triangulations, and discuss the main results obtained with this method.

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