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Progresses in Spinfoam Cosmology

Monday 6 May 2024 14:15 (15 minutes)

The conceptual and computational progresses in the covariant framework of LQG have brought a number of results in its application to cosmology. In this talk I highlight some of the most interesting steps forward in spinfoam cosmology. I briefly review the general assumption in defining the cosmological model. I focus then on the development of a novel strategy to compute cosmological primordial correlations and entanglement entropy. I also discuss the current understanding of the cosmological bounce from the covariant perspective.

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