

Viability of Bigravity Cosmology

Bigravity is an extension of dRGT (de Rham, Gabadadze, Tolley) massive gravity, which arises by having two dynamical metric tensors. Massive gravity has recently had a flurry of interest in the last decade due to the self-accelerating properties of a massive graviton, leading to possible solutions for dark energy. Bigravity has been studied as an alternative dark energy model due to the lack of stable cosmological solutions of pure dRGT massive gravity. In this talk we investigate the low energy limit of bigravity, a viable and testable model that is distinguishable from GR and study how viable this model is for dark energy.

Author: Mr KENNA-ALLISON, Michael (Institute of Cosmology and Gravitation, University of Portsmouth)

Presenter: Mr KENNA-ALLISON, Michael (Institute of Cosmology and Gravitation, University of Portsmouth)