

## Abstract

We discuss cosmology in cascading gravity, which is a higher-dimensional generalization of the Dvali-Gabadadze-Porrati (DGP) gravity. Cascading gravity is an explicit realization of the idea of degravitation, where gravity behaves as a high-pass filter. This could explain why a large cosmological constant does not backreact as much as anticipated from standard General Relativity. The model relies on the presence of infinite extended extra dimensions while our world is confined on a four-dimensional (3-)brane. The set-up of this model consists of a codimension-2 3-brane placed in a codimension-1 4-brane embedded in a non-compact six-dimensional bulk. We derive the effective cosmological equations on the 3-brane and discuss the possible implications of these effective equations for cosmology, especially the dark energy problem.