The 6th international conference on particle physics and astrophysics



Contribution ID : 126

Type : Oral talk

Compactification scenario in Gauss-Bonnet gravity

Wednesday, 30 November 2022 11:45 (15)

A successful compactification scenario should explain two, in principle, rather different properties of the multidimensional space-time. First, we need to show why the evolution of three big dimension is different from the evolution of other dimensions. Second, we need to explain why the 3-dimension subspace is almost isotropic one. We present a scenario which address both issures. Starting from rather general totally anisotropic initial condition the evolution of a Universe naturally leads to a product of two isotropic subspaces. This presentation is a brief summary of a set of papers made in collaboration with A.Giakomini, S.Pavluchenko and D. Chirkov.

Primary author(s): TOPORENSKY, Alexey (Sternberg Astronomical Institute, Moscow)
Presenter(s): TOPORENSKY, Alexey (Sternberg Astronomical Institute, Moscow)
Session Classification: Gravitation and Cosmology

Track Classification : Gravitation and cosmology