Abstract

An exact solution of the vacuum Einstein field equations (VEFEs) has been obtained of a spatially homogeneous and anisotropic (SHA) Bianchi type-I cosmological model by Kasner. The Kasner metric is shown to be a special case, and the exact vacuum solution of Kasner form model is obtained. Some physical properties of the model have been discussed.

References

The Exact Vacuum Solution for Kasner Metric from Bianchi Type-I Cosmological Model


Index Terms

Computer Science

Applied Sciences

Keywords

Bianchi type-I, Vacuum solution, Cosmological model, Kasner form