The Horizon Problem in Cosmology

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Abstract:

The Big Bang model is a homogeneous, isotropic cosmological model and the existence of the isotropic Cosmic Background Radiation (CBR) is the indirect proof of the success of this model. But, at the same time, one of the major difficulties of this Big Bang model is this isotropy and homogeneity of the CBR--because of the existence of a finite particle horizon, any two points in the Universe, separated by a distance more than the horizon of the two, will not be able to communicate with each other by causal processes and this is the `Horizon Problem'. In this talk, we will discuss the particle horizon, the CBR and the horizon problem, in brief.

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References:

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