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Antisymmetric Tensors in Friedmann Cosmology

Thursday, September 26, 2019 12:20 PM (20 minutes)

Antisymmetric tensor fields arise naturally in superstring theory as well as in some theories with broken Lorentz invariance. However, models containing antisymmetric tensor fields often include anisotropic pressure. I will present a general prescription for constructing ansätze for antisymmetric tensor fields for use in cosmology. With a series of coordinate-dependent constraints I will show that these models can fit Friedmann-type geometry.

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