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String Cosmology

Saturday 18 July 2009 11:00 (30 minutes)

During the past decade, the study of the cosmological implications of string theory has evolved into a very active and fruitful field of research. The remarkable progress in this area is to a large extent driven by the impressive advances in observational cosmology as well as by important theoretical progress, in particular, regarding the problem of moduli stabilization in string compactifications.
In this talk, I will review some of the highlights of string cosmology, focusing on aspects of moduli stabilization, de Sitter vacua, inflation, cosmic strings and gravitational waves.

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