

TATA INSTITUTE OF FUNDAMENTAL RESEARCH
DEPARTMENT OF ASTRONOMY & ASTROPHYSICS

Speaker : Dr. Golam M. Hossain
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Title : Driving cosmic inflation on a bumpy road

Day, Date & Time : Thursday, 19 November, 2009 at 11.30 hrs

Venue : TAP Seminar room (A-269)

Abstract

To explain astronomical observations using Einstein's theory of general relativity, one often needs to postulate a period of rapid expansion in the early universe, known as inflation. However, realization of such a period from any fundamental theory remains a challenge. Here, I will talk about how a fundamentally discrete scalar field can naturally drive a phase of cosmic inflation.