

Misao Sasaki, Conformal frames in gravity: frame dependence vs observational equivalence

Friday 30 October 2015 10:30 (1 hour)

It seems there is certain degrees of confusion about consequences of a conformal transformation of the metric. In this talk, I clarify what are frame dependent and what are not in the cosmological context. Then we argue that “inflation” should be defined as an accelerated expansion in the Einstein frame assuming it exists. Some interesting examples of thus defined inflationary models are presented.