



Contribution ID: 84

Type: **not specified**

Inflationary attractors in Palatini $F(R, X)$ gravity

Tuesday, September 12, 2023 5:50 PM (20 minutes)

Palatini $F(R)$ gravity proved to be powerful tool in order to realize asymptotically flat inflaton potentials. Unfortunately it also inevitably implies higher-order inflaton kinetic terms in the Einstein frame that might jeopardize the evolution of the system out of the slow-roll regime. We prove that a $F(R - X)$ gravity, where X is the inflaton kinetic term, solves the issue. Moreover, when F is a quadratic (or higher order) function such a choice easily leads to a new class of inflationary attractors, fractional attractors, that generalizes the already well-known polynomial α -attractors.

Presenter: Dr RACIOPPI, Antonio

Session Classification: COS: Cosmology

Track Classification: Cosmology