

PROJECTIVE INVARIANCE IN $f(T)$ GRAVITY

Bejarano, C. and Olmo, G. J.

The so-called projective transformations relate a family of connection with the same geodesics but also with the preservation of the geodesic deviation equation. We analyze the role played by the projective invariance in modified teleparallel gravity. By taking advantage of the conformally invariant projective mode, we explore the meaning of the Jordan and Einstein frames in $f(T)$ gravity.