Study of a restricted modified gravity on the astrophysical and cosmological scales

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Abstract
In this paper, we study a restricted modified gravity in which diffeomorphism symmetry is broken. We investigate the astrophysical implications of the model by using the corresponding gravitational potential. By using the weight function of the weak lensing, for the model, the deviation of the model with respect to model has been studied for the late-time cosmology.

Keywords: diffeomorphism symmetry, modified gravity, Newtonian approximation, cosmological constant, gravitational lensing, power spectrum

For full article, refer to the Persian section