

Late time cosmological evolution generated by a $f(Q)$ modified gravity model

In this work we perform a late time cosmological analysis based on a $f(Q)$ modified gravity theories. Starting from a functional form for $f(Q)$ worked out by one of the authors [arXiv:2311.01857 [astro-ph.CO]], we obtain approximate analytical solutions for the Hubble parameter for different parameters of the model. Using $H(z)$ we perform late time cosmological analysis by exploring the behaviour of classical energy conditions, a stastefinder analysis and impact matter density perturbations.

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