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Dynamical aspects of the magnetized anisotropic cosmological model in extended gravity

In this paper, we have investigated the extended gravity particularly the f(R,T) gravity in Bianchi 〚VI〛 (h=-1) space time filled with magnetized anisotropic matter contents. We have explored the field equations and obtain the solution with power law function. The kinematical and geometrical parameters are derived and analyzed in detail. The effect of energy conditions is also studied. It is found that the extended gravity induced by f(R)=R and f(T)=2Λ{0}+2βT, where Λ_{0} and β are respectively denotes the cosmological constant and coupling constant, are likely to experience an expansion at late time of cosmic acceleration.

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