**Bianchi type –II Cosmological Models with Constant Jerk Parameter in f(R,T) Theory of Gravity**

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**ABSTRACT**

The spatially homogeneous and anisotropic Bianchi Type-II space-time model is considered with perfect fluid in the framework of *f (R,T)* gravity proposed by Harko et al. (Phys. Rev. D, 84:024020, 2011),where *R* is the Ricci scalar and *T* is the trace of the energy–momentum tensor of matter. A reconstruction scheme of the theory has been proposed based on the cosmological jerk parameter, j =1. The work contains analysis of consequential cosmological parameters for the two different models. Under this condition, we obtain two different types of solutions, one is power-law and the other one is exponential. The power-law solution gives a decelerating model, while the exponential one yields an accelerating cosmology. Also, for the models, we have evaluated and discussed the various physical and kinematic parameters.