Bianchi-Type V Universe in f(T) Gravity

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Abstract:

Energy and momentum localization problem is one of the most studied and unsolved puzzles in both the general theory of relativity and teleparallel gravity. Recently, this significant problem has been taken into account also in some modified gravity theories. In this work, we consider the Bianchi type-V space-time model to calculate localized energy density in the framework of modified gravity. We also specify our results by making use of some well-known f(T)-gravity models.

Keywords: Bianchi type-V space-time; Energyand Momentum; Modified Gravity; Teleparallel Gravity