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Title:	Stability analysis of Quintessence Dark Energy
Authors:	Singh, KM Bharti (/jspui/browse?type=author&value=Singh%2C+KM+Bharti)
Keywords:	Stability analysis Evidences of Dark Energy Parameterization of Quintessence Model
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Abstract:	Dynamics of universe can be described by Einstein's field equations. FLRW metric is one of the solutions of Einstein's field equations. In This work, I studied evolution equation of universe in flat geometry, observational evidences of dark energy. And Scalar field model of Dark Energy which can be the candidates of Dark energy. I mainly focused on Quintessence model; it's phase plain analysis and parameterization of quintessence model to understand the cosmic dynamic of the universe. Quintessence is canonical scalar field which is introduced to explain late- time cosmic acceleration. The evolution of Dark Energy equation of state depends on the field potential and its properties :tracking and thawing.
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