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Two forms of dark energy in Fractal cosmological model using Specific Hubble parameter

The main objective of this article is to study the fractal FRW cosmological model consisting two forms of dark energy. We studied behavior of the universe in a fractal framework using dark energy accommodated in our universe. The solution of field equations are obtained by using Hubble parameter for transit scale factor $H(z) = \epsilon \left(a^{-\delta} + \lambda\right)$

. We have obtained the best fitting values of the model parameters ϵ, δ and λ by constraining our model with latest Hubble data sets consisting 57 data points. Finally we perform statefinder diagnosis and observe that obtained model close to standard ΛCDM model.

Primary author: PAWAR, Dnyaneshwar (Swami Ramanand Teerth Marathwada University, Nanded)

Co-authors: Mr KALE, A P (Mungasaji Maharaj, Mahavidyalaya, Darwha, Yavatmal 445202); Dr RAUT, D K (Shivaji Mahavidyalaya, Renapur, Latur-413 527 (India))

Presenter: PAWAR, Dnyaneshwar (Swami Ramanand Teerth Marathwada University, Nanded)

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