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Connecting ΛCDM Models with Different Functional Form and Common Density Parameter

ABSTRACT

CDM models for dark energy are proposed using various functional forms to represent different cosmological models and solve the mysteries of the universe. In the present article keeping the concept of varying fine structure constant, two such basic models with function of scale factor are correlated to produce a common condition for the $, _m, _m0$. The novelty of this work is that it can unify two different models or create the common conditions which are very essential to solve such problems.

Key words. CDM model, Density Parameter, Scale Factor.

Field of contribution

Theory

Author: CHOUDHURY, Shaheb (Department of Physics, The ICFAI University Tripura)

Co-authors: DEB, Priya (Department of Physics, The ICFAI University Tripura); GHOSH, Sovan (Department of Physics, The ICFAI University Tripura)

Presenter: CHOUDHURY, Shaheb (Department of Physics, The ICFAI University Tripura)

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