ID de Contribution: **47** Type: **Non spécifié**

Time dependent dark energy

Taking apart cosmological constant, being constant by definition, physics of dark energy may lead to its time dependence. In the simplest case time dependence of the homogeneously distributed comological energy can be implemented in the model with cosmological term and unstable dark matter, decaying after the first objects are formed and contributing the homogeneously distributed energy density by invisible relativistic decay products. Dark enery can be dependent on the Hubble constant in some power and nontrivial features of such models are also considered.

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