

Cosmological scenarios in Horndeski theory

Sergey V. Sushkov

Institute of Physics, Kazan Federal University

Russia

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We present a detailed analysis of cosmological dynamics in Horndeski model which is the most general scalar-tensor theory of gravity with second-order field equations. A special attention is paid to the particular subclass of Horndeski theory, namely, the model with the scalar field ϕ possessing the nonminimal kinetic coupling to curvature given as $\eta G^{\mu\nu} \phi_{,\mu} \phi_{,\nu}$.