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Singular Bounce in Generalised Brans-Dicke Theory

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In this work, we present singular bounce scenario
in the framework of the generalised Brans-Dicke (GBD)theory where an evolving BD parameter along with
a self-interacting potential is considered. The GBD field equations are derived for an anisotropic space time
to provide a more general approach to the cosmic expansion. The evolutionary behaviour of the Brans-Dicke
scalar field, dynamical Brans-Dicke parameter and the self interacting potential are studied.
Observational bounds on our model favours the Phantom dark energy phase.

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