## Matter Bounce Scenario in Extended Symmetric Teleparallel Gravity

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In this paper, we have shown the matter bounce scenario of the Universe in an extended symmetric teleparallel gravity, the f(Q) gravity. Motivated by the bouncing scenario and loop quantum cosmology (LQC), the form of the function f(Q) has been obtained at the backdrop of Friedmann-Lemaitre-Robertson Walker (FLRW) space-time. Considering the background cosmology dominated by dust fluid, the e-folding parameter has been expressed, which contains the nonmetricity term. The dynamics of the model have been studied through the phase space analysis, where both the stable and unstable nodes are obtained. Also, the stability analysis has been performed with the first-order scalar perturbation of the Hubble parameter and matter energy density to verify the stability of the model.

Author: Mr AGRAWAL, Amarkumar (BITS-Pilani, Hyderabad Campus, India.)

Co-authors: Prof. MISHRA, Bivudutta (BITS-Pilani, Hyderabad Campus, India.); Ms AGRAWAL, Poonam

**Presenter:** Mr AGRAWAL, Amarkumar (BITS-Pilani, Hyderabad Campus, India.) **Session Classification:** Gravity - Dark Energy

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