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Cosmological Evolution through non-linear electrodynamics

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Many observations have shown that the universe is expanding at an accelerated rate. The reason for this is, however, unknown. General relativity and standard cosmology seem to fail in explaining the early and late-time acceleration of the universe. There have been several suggested solutions to explain this phenomenon such as dark energy and modified theories of gravity, however none of which are yet confirmed to be the correct explanation. Here we attempt to explain the inflation and late-time cosmic acceleration by adding non-linear electrodynamic contributions into the Einstein Field Equations.

Apply to be considered for a student ; award (Yes / No)?

Yes

Level for award;(Hons, MSc, PhD, N/A)?

MSc

Primary authors: DE KLERK, Carissa; Prof. GIDELEW, Amare (North West University)

Presenter: DE KLERK, Carissa

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