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Gravitational duality near cosmological scenarios

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We shall present a $SO(2)$ duality-symmetric form of the linearized ADM action principle when the linearization is performed on anti de Sitter and Kasner backgrounds. The analysis is based on the two-potential formalism, obtained upon resolution of the Hamiltonian constraints, and generalizes previous works that focused on Minkowski and de Sitter backgrounds. The implications of our results for holography and cosmology will be discussed.

Summary

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