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## **CANCELLED Compactification of the phase space in the scalar field cosmology with non-minimal coupling**

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We investigate the FLRW cosmological model with a non-minimally coupled scalar field generalized according to the methods given by the nonlinear field space theory. In this approach, one generalizes the phase space of a given field to a topological space (such as symplectic manifold). We consider the compactification of the phase space to a spherical case, corresponding to a spin system, and analyze the evolutionary scenarios of such a model of the universe. Introduction of the non-minimal coupling in the model provides interesting outcome in the dynamics of the late time acceleration.

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