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A review of scalar eld cosmology: Its non-linear Schrodinger-type formulation

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Standard cosmological model containing barotropic fluid in arbitrary spatial curvature and scalar field under arbitrary potential can be described in the form of non-linear Schrödinger (NLS) formulation. The formulation leads to the simpler way in obtaining exact scalar field solutions. NLS may be useful for interpretation of wave function in quantum cosmology.

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