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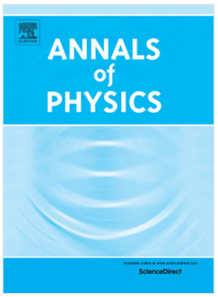

Non-Hermitian interaction representation and its use in relativistic quantum mechanics

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HIGHLIGHTS

= quantum mechanics using non-Hermitian operators considered

= a new version of interaction (a.k.a. Dirac's) picture formulated

= for illustration, Klein-Gordon equation chosen

= the time- and space-dependent external scalar field admitted

= the unitarity of the evolution guaranteed

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