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**Author:** This line will be completed by the MR staff.

**Short title:** This line will be completed by the MR staff.

**Control number:** 1826028

**Primary classification:** 81U15

**Secondary classification(s):** 81Q05 81R05 81S99

**Review text:**

The simple, finite-range solvable model (viz., Schroedinger equation in one dimension with the so called scarf potential) is considered in the complexified, non-Hermitian regime of the recently proposed (so called PT symmetric) generalized quantum mechanics. A few interesting observations are made. I.a., the loss (or rather “weakening”) of the current quantum mechanical Hermiticity requirement is shown to leave the purely algebraic characterization of the set of (bound and scattering) states as the basis of the unitary irreducible representation of the  $SU(1,1)$  “dynamical” (so called “potential”) Lie group unchanged.