

**Mustafa, Omar; Mazharimousavi, S. Habib**

**Non-Hermitian  $d$ -dimensional Hamiltonians with position-dependent mass and their  $\eta$ -pseudo-Hermiticity generators.** (English) Zbl 1110.81087

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Summary: A class of non-Hermitian  $d$ -dimensional Hamiltonians with position-dependent mass and their  $\eta$ -pseudo-Hermiticity generators is presented. Illustrative examples are given in 1D, 2D, and 3D for different position-dependent mass settings.

**MSC:**

[81Q50](#) Quantum chaos

[81Q10](#) Selfadjoint operator theory in quantum theory, including spectral analysis

[17B37](#) Quantum groups (quantized enveloping algebras) and related deformations

Cited in 9 Documents

**Keywords:**

[non-Hermitian Hamiltonians](#)

**Full Text:** [DOI](#) [arXiv](#)

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