

This is a review text file submitted electronically to MR.

Reviewer: Znojil, Miloslav

Reviewer number:

Address:

NPI, 250 68 Rez,
Czech Republic
znojil@ujf.cas.cz

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

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

Control number: 1936965

Primary classification: 47B50

Secondary classification(s): 81Q05 15A90 81P10 81R99 81R40 81T99 47N50

Review text:

The removal of the simplifying assumption of diagonalizability of the so called PT symmetric Schroedinger Hamiltonians (tractable under such an assumption as eta-pseudo-Hermitian) was one of the most annoying open questions in their mathematical interpretation as well as in their practical applications which date back to the Feshbach-Villars pseudo-Hermitian Hamiltonian re-formulation of Klein Gordon equation in relativistic quantum mechanics in the fifties but which exhibited an unexpected new massive growth in the very late nineties. The letter in question clarifies the point by narrowing one's scope properly (to the models on a real line) and by giving then an explicit diagonalizability-independent formula for the pseudo-metric operator eta.