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Short title: Eigenvalue problems for the complex PT-symmetric potential $V(x) = igx$.

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Review text:

Four-page commentary on the Herbst's contradictory Schrödinger equation which is "exactly solvable" (in terms of Airy special functions) but which only gives an empty spectrum of energies under standard boundary conditions. In a way inspired by the needs of the so called PT-symmetric Quantum Mechanics the author contemplates two modifications of the model, viz., a toy version (a) where the standard real line of coordinates shrinks to the finite interval $(-1, 1)$, and a toy version (b) where the potential vanishes beyond the finite interval $(-1, 1)$. The eigenvalue problem degenerates, in both cases, to the matching condition tractable by Mathematica. In a way paralleling several other similar studies (sampled here just by a self-quote: U. Günther et al, J. Math. Phys. 46 (2005) 063504), the author's results on the model (a) are in full agreement with the theoretical predictions and more general theorems on the hard-box PT-symmetric models proved by Langer and Tretter [Czechosl. J. Phys. 54 (2004) 1113 and ibid. 56 (2006) 1063 (erratum)]. The subsequent attention paid to model (b) reveals the absence of reflectionless states and the existence of the two real bound-state eigenvalues in a finite interval of couplings.