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**Reviewer:** Znojil, Miloslav

**Reviewer number:**

**Address:**

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

**Author:** Dominguez, Aizar Enciso; Kielanowski, Piotr

**Short title:** Time evolution of the unstable quantum oscillator.

**MR Number:** 2810782

**Primary classification:** 81Q12

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

**Review text:**

The reading of this paper (which “teaches by example”) only makes sense if the reader knows what the authors mean by Quantum Mechanics in which it is necessary to distinguish between “states” (defined during preparation) and “observables” (determined by the detector). Fortunately, a compact form of such an information is now available, e.g., in the recent paper “Time Asymmetric Quantum Mechanics” by A. R. Bohm, M. Gadella and P. Kielanowski, SIGMA 7 (2011), 086 (arXiv:1109.0598). Once you get familiar with this theory and accept the underlying semigroup interpretation of quantum evolution, it is a true pleasure to see all that illustrated by the present, exactly solvable leaking-well example. The theory will give you a few answers to obvious mathematical questions (e.g., why should we start the calculations from the Green’s functions) as well as a basic explanation of its physical innovativeness (showing, e.g., why should we represent a quantum system using rigged Hilbert space (1)).