This is a review text file submitted electronically to MR.

Reviewer: Znojil, Miloslav

Reviewer number: 13388

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: 1876174

Primary classification: 81Q05

Secondary classification(s): 35Q40

Review text:

There exist nine main practical formulations of quantum mechanics (cf. Styer et al, Am. J. Phys. 70 (2002) 288) out of which the Schroedinger picture (computing wave functions) seems most suitable for problem solving. For several years the latter opinion is being challenged by Zhang et al (cf. refs. [16] – [19]) who recommend the use of the Heisenberg picture (in its so called GLQT – generalized linear quantum transformation – version) as the most adequate framework for the description of the various forms of the quadratic and time dependent oscillators. In the present continuation of the series they pay attention to the relationship of their machinery to the Schroedinger equation and to the related possibilities of evaluation of the expectation values of some relevant observables. An explicit illustration with explicit formulae is offered in two dimensions.