

This is a review text file submitted electronically to MR.

Reviewer: Znojil, Miloslav

Reviewer number:

Address:

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

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Review text:

Francesco Calogero, in a series of papers cited, studied a few interesting classical nonlinear oscillators for which an irrelevant parameter (typically, a multiplier c of the Lagrangian) becomes immediately relevant during their attempted quantization. Peter Leach pays a deeper attention to the Lie symmetries of these "c-isochronous" problems and shows that and how this knowledge may help us to solve the related (i.e., linear and properly operator-ordered) time-dependent Schroedinger equations. In a brief discussion the close connection of these models with the Ermakov-Pinney and harmonic-oscillator problems is emphasized.

All the readers addressed by the story written by Peter Leach in Italy (and, as I acknowledge hereby, re-told to me in RSA recently) might find its continuation in the subsequent review written by the same author (with a co-author) in Greece, the reading of which I equally warmly recommended a week ago (see extended abstract MR 2117167).

Comments to the MR Editors: My own, older extended abstract MR 2117167 is cited here.