Reviewer: M. Znojil
Theory Group, Nucl. Phys. Institute ASCR, 250 68 Řež,
Czech Republic
Authors: Mustafa O. and Odeh M.
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In between the elementary (i.e., non-numerical) and complicated (i.e., purely numerical) Schroedinger equations there exists a broad "grey zone" of potentials tractable via various systematic semi-numerical power-series expansion techniques. Authors pick up one of the simplest examples of this type (viz., the square-rooted potential of harmonic oscillator) and construct its node-less ground state solutions via their expansion in the inverse powers of the (shifted) angular momentum. A number of formulae is given documenting the symbolic-manipulation feasibility of the method. The numerical reliability of this approach is illustrated by five tables.