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Short title: Realization of the spectrum generating algebra for the generalized Kratzer potentials.

MR Number: 2639961

Primary classification: 81V55

Secondary classification(s): 33C45

Review text:

A very routine but carefully prepared exercise in application of exact (viz., Gauss hypergeometric) solvability of radial Schrödinger equations with Kratzer and modified Kratzer phenomenological potentials to evaluation of matrix elements needed, in principle, for description of diatomic (viz., CO and NO) molecules. The sampled numerical results agree with the samples available in the literature.