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Short title: Analytical approximations to the l -wave solutions of the Schrodinger equation with the Eckart potential.

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Review text:

Just another discovery of the solvability of certain Schroedinger equation in terms of the Gauss hypergeometric functions. The key "l-wave solution" idea of this paper has already been explained, sufficiently thoroughly, in the Fluegges 1971 book "Practical Quantum Mechanics".