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**Short title:** A new approach to the exact solutions of the effective mass Schrodinger equation.

**MR Number:** 2402972

**Primary classification:** 81Q05

**Secondary classification(s):**

**Review text:**

In an exercise in quantum mechanics an elementary change of variables is used to map the well known Morse-potential model (possessing Laguerre-polynomial eigenfunctions) onto an equivalent Schroedinger-like differential bound-state problem where the “effective” mass is allowed coordinate-dependent.