

Point Canonical Transformation for Solving Five-Parameter Exponential-Type Potential

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(Received: 2002-12-16; Revised: 2003-3-28)

Abstract: Using the approach of mapping of shape invariant potentials under point canonical transformations, the energy spectra and wave functions are most easily determined for the bound states of the five-parameter exponential-type potential with a little extra effort.

PACS: 03.65.Db

Key words: five-parameter exponential-type potential, Pöschl-Teller I and II potentials, point canonical transformation, energy eigenproblems

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