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Short title: Schrodinger equation with delta potential in superspace.

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Primary classification: 81Q05

Secondary classification(s):

Review text:

In the case of some m standard (i.e., "commuting", bosonic) and 2n fermionic (i.e., anticommuting) coordinates x the literature only seems to offer some closed-form solutions of Schrödinger equation for harmonic oscillator and Coulomb potentials. The MS adds the first nontrivial point-interaction model where a bound state is known to exist at m = 1 and n = 0. Using the method of ref. [9] an explicit formula for the energy and wave function of the same bound state is found at any n > 0 for m = 1. At m = 0 the problem becomes trivial (= purely algebraic) but more levels are noticed to emerge.