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**Reviewer:** Znojil, Miloslav

**Reviewer number:**

**Address:**

NPI ASCR,  
250 68 Rez,  
Czech Republic  
znojil@ujf.cas.cz

**Author:** Qiang, Wen-Chao; Zhou, Run-Suo; Gao, Yang

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**Review text:**

Undoubtedly, the subject of this study (= over-popular Dirac equation with Morse potential, known to be nicely solvable in terms of hypergeometric functions, albeit de facto approximatively, cf. [8] - [10]) belongs already to the textbooks rather than to a scientific journal. Still, let me encourage all the potential readers to pay attention because the present Riccati-equation re-arrangement of the problem may be tricky: about some of its puzzling aspects I know not only from the author of the last reference [18].

This being said, one could still feel unhappy with the story which resembles strongly the “exact WKB” approach of Voros et al, without citing it at all. Moreover, knowing that “... Ma and Xu have found ... for the exactly solvable systems”, no firm ground seems to survive for the analogous work “in Pekeris approximation” (which we all know from its nice summary in the book [7]).

Last but not least, one could encounter difficulties with accepting some statements like, for example, the final sentence of the methodical section II (“... Ma’s exact quantization rule has not yet been extended to the Dirac equation, but we can still use it ...”). It sounds strange to my ears, indeed, though it may easily be just my mistake (note that one of the key methodical references is available just in Chinese).