



Quantum Physics

# Comment on "A new exactly solvable quantum model in $N$ dimensions" [Phys. Lett. A 375 (2011)1431, [arXiv:1007.1335](#)]

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We pinpoint that the work about "a new exactly solvable quantum model in  $N$  dimensions" by Ballesteros et al. [Phys. Lett. A **375** (2011) 1431, [arXiv:1007.1335](#)] is not a new exactly solvable quantum model since the flaw of the position-dependent mass Hamiltonian proposed by them makes it less valuable in physics.

Comments: 2 pages

Subjects: **Quantum Physics (quant-ph)**; Mathematical Physics (math-ph); Exactly Solvable and Integrable Systems (nlin.SI)

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