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Review text:

A more or less routine continuation and marginal extension of the older, nicer paper [17] by the same authors. The initial idea of both of these short studies is very promising, suggesting several versions of a non-commutative extension of 2D isotropic harmonic oscillator. Almost immediately, a strong disappointment comes not only with the rather elementary form of results and with their presentation which is, at many points, misleading, but also with a purely formal essence of the message. In the language of physics the deeper sense of the recent introduction of PT symmetry (lying in the “improbable” reality of the spectra) is completely ignored (i.a., the authors report, without any particular explanations, that the spectra are, in general, not real). Last Section 4 inspired by Nanayakkara’s paper [18] is appended adding a few extremely trivial (viz., first-order) perturbative results on an anisotropic perturbed generalization of the previous examples. The meaning of this addendum is also questionable (one expects that the higher-order corrections will almost certainly complexify the energies). Summarizing, a quickly produced paper representing an almost fully wasted opportunity.