

# Review of: "Quaternion Quantum Mechanics: Unraveling the Mysteries of Gravity and Quantum Mechanics within the Planck-Kleinert Crystal"

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Potential competing interests: No potential competing interests to declare.

It's a good paper with a lot of potential. Certain necessary physical quantities were obtained. On the other hand, we could do a few more physical examples, not just the quaternionic oscillator and the particle wave frequency via the Planck mass.

Moreover, one could also sketch a relativistic version to this theory: the quaternionic Klein-Gordon and Dirac eqs. Even if the goal of the paper aims at the classical background, we could mention it in the summary as a proposal for future work.