Review of: "A Complete Quantum Mechanics"

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Potential competing interests: No potential competing interests to declare.

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Prof. Dr. Alberto Bedogni

Peer Review Team, Qeios

Dear Dr. Bedogni,

Good evening,

Many thanks for inviting me to review the “A Complete Quantum Mechanics” paper by Richard Oldani.

The author mentioned that quantum mechanics is incomplete because it does not take into account the absorption of energy by quantum systems, …; etc. In the discussion section, the author mentioned that he proposed unified quantum mechanics, but I haven’t seen any equation or relationship that supports his ideas. He added that he assigned four degrees of freedom to the wave function with coordinates in K’, …; etc., but there is no mathematical relationship presented to support his point of view. In general, the subject is interesting; the author could support his hypotheses with mathematical relationships or mathematical examples to interpret or support his ideas. Quantum mechanics is based on hypotheses and experimental evidence. It is impossible to fully grasp the principles of quantum theory without seeing them expressed mathematically. Mathematics is the language of quantum physics [1].

Please see reference [1] as an example. [1] M. A. Morrison, Understanding Quantum Physics. Prent.-Hall, Inc., N.J. (1990).

Greetings,

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