

Review of: "Emergent Quantum Mechanics – How the Classical Laws Can Replicate the Quantum Harmonic Oscillator"

Ramon Carbó-Dorca¹

¹ Universitat de Girona

Potential competing interests: No potential competing interests to declare.

The main opinion of reviewers is favorable to the author, and mine will not be very much different, excepting a very important point. According to the author, one can find a connection between quantum and classical mechanics. No wonder, as it is well known, since the birth of quantum mechanics, that should be some connection between both points of view and as a confirmation of this, it was discussed the issue from the beginning. However, the author, as far as I have understood, leaves the quantum mechanical picture of the submicroscopic world devoid of the wave function. Such picture will have devastating consequences in the study of atoms and molecules. I see the catastrophe of quantum and computational chemists or either their happiness. This last one because of the possibility to do again their studies from scratch, and redefine the nature of the chemical bond... This work is interesting enough to be published, but the author, perhaps can discuss a bit the issue of wave functions in a short or large section at the discussion.