Qeios

Peer Review

Review of: "Superexcitability in Chiral Oscillators with Spatial Degrees of Freedom"

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1. Independent researcher

This manuscript presents an interesting and creative theoretical model combining synchronization dynamics with spatial motion in chiral oscillators. The work explores rich collective behaviors, including bi-stability, vortex-like structures, and transitions between ordered and disordered regimes. However, while the ideas are intriguing, it is an interesting and creative model with visually compelling dynamics, but the manuscript currently overstates claims about topological phases and dissipationless transport, lacks rigorous theoretical justification and statistical support, and requires major revision to clarify definitions, strengthen analysis, and improve reproducibility.

Declarations

Potential competing interests: No potential competing interests to declare.

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