

Peer Review

Review of: "On the Fractional Dynamics of Kinks in sine-Gordon Models"

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Dear Editor,

I hope you are doing well. I hope you and your family are in good health. Thank you for the opportunity to review the manuscript titled "On the Fractional Dynamics of Kinks in sine-Gordon Models". In this study, the authors investigate the dynamics of single kinks, kink-anti-kink pairs, and bound states within the fractional Klein-Gordon framework, focusing on the sine-Gordon equation with fractional effects. The authors uncover a dissipative dynamic affecting the coherent structures. The combined effects of Caputo temporal and Riesz spatial derivatives are also thoroughly examined. I recommend this paper for publication after some minor revisions in *Qeios*. Below are the points to be revised.

1. There are some grammatical and typographical errors in the document.
2. Definitions of the fractional derivatives used in this study are missing.
3. What is the novelty and applications of your work?

Thanks and regards,

Declarations

Potential competing interests: No potential competing interests to declare.