

Peer Review

Review of: "Multidimensional Soliton Systems: an Update"

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This manuscript provides a timely update to the author's recent review on multidimensional soliton systems. It summarizes several notable experimental and theoretical developments reported in 2024–2025, covering both nonlinear optics and Bose–Einstein condensates. The purpose of the paper is clearly defined as an update rather than a comprehensive review, and the presentation is appropriate for this format.

Overall, the article is well-written, technically sound, and informative. The selection of topics is well-balanced, combining recent experimental observations (such as the formation of multiple quantum droplets in Bose–Bose mixtures and expanding toroidal optical structures) with theoretical advances involving fractional diffraction, long-range interactions, and topologically nontrivial states. I find the manuscript suitable for publication in its present form.

Declarations

Potential competing interests: No potential competing interests to declare.