

# Review of: "New Approximate Symmetry Theorems and Comparisons With Exact Symmetries"

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**Potential competing interests:** No potential competing interests to declare.

The manuscript introduces three new approximate symmetry theories and compares them with exact symmetries. The authors apply these theories to nonlinear ordinary differential equations, demonstrating their potential to retrieve approximate solutions and, in some cases, exact solutions.

Overall, the manuscript presents an interesting study on approximate symmetries and their relationship with exact symmetries. The comparison between the different approximate symmetry theories and their implications for solving differential equations adds depth to the research.

The manuscript offers valuable insights into approximate symmetry theories and their application to differential equations. With some revisions to improve clarity, methodology, and discussion of implications, the manuscript has the potential to make a significant contribution to the field.

Thank you for considering my review. Please let me know if you require any further information or clarification.

Sincerely,