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

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This paper investigates the development of new approximate symmetries and contrasts them with exact symmetries. The author examines the mathematical formulations and implications of these approximate symmetries in various physical systems. The study emphasizes the significance of such symmetries in simplifying complex systems and enhancing analytical traceability. The author provides comprehensive comparisons with exact symmetries, highlighting the practical applications of these new approximate symmetries. The mathematical formulations and proofs are articulated, making the concepts accessible to readers with a solid mathematical background.

Overall, the paper makes a useful contribution to the field of mathematical physics by introducing new tools for analyzing nonlinear systems through approximate symmetries. While the paper is quite interesting, adding practical examples with detailed derivations could broaden its accessibility and demonstrate real-world applications more effectively.