

Review of: "A Novel Computational Approach for Solving Fully Implicit Singular Systems of Ordinary Differential Equations"

A. G. Davodi1

1 Babol Noshirvani University of Technology

Potential competing interests: No potential competing interests to declare.

In general, this paper offers a valuable and engaging reading experience. It delves into the semi-analytical solution of a fully implicit differential equation with a point singularity, exploring a wide array of singularities within the differential equation systems.

The results obtained in this study are promising and have the potential for publication, with only a few minor adjustments required. The achieved answers demonstrate a high degree of accuracy, and the methods employed to tackle the problem are a blend of conventional approaches and unique innovations. Nonetheless, prior to finalizing its acceptance for publication, there are several aspects that merit more detailed attention:

The study's objectives should be more prominently emphasized, particularly in terms of clearly articulating the primary advantages of the results presented in this paper in comparison to existing work.

The paper's language and grammar could benefit from some further refinement, as there are instances of misspellings and grammatical issues, along with minor editing oversights in the manuscript.

The section containing examples needs to be expanded, accompanied by additional explanatory remarks. This expansion will serve to illustrate the practical utility and efficiency of the proposed method when compared to alternative approaches.

Qeios ID: YV9HFO · https://doi.org/10.32388/YV9HFO