Review of: "New Computational Methods Using Seventh Derivative Type for the Solution of First Order Initial Value Problems"

Hakeem Ullah[1]

1 Abdul Wali Khan University Mardan

Potential competing interests: No potential competing interests to declare.

1. The Introduction is weak; at the end of the introduction, please expound on the new aspect of your work.

2. Rephrase the last paragraph of the introduction with novelty and objectives clear and concise.

One fact that is common in almost all the quality publications within our field is the fact that they present the analysis of results and discussion of results separately. Meanwhile, the best practice is to build the discussion of results on the results that have been analysed. This will guide the authors to present the best and most accurate results capable of announcing the title and leading to conclusive facts in the next section of the manuscript. But, permit me to ask you a question. Do you know that the analysis of results is quite different from the discussion of results? Comment: Divide the third section into two subsections. Ensure that the revised version of the manuscript contains

3. Analysis of Results

4. Discussion of Results

5. Elaboration of the method used.

6. Validation of the method by incorporating regression analysis.

Discussions should be elaborated for each physical parameter with a physical meaning.

The literature review must give a critical assessment of the existing state and explicitly indicate the gaps that the current work tries to fill. Gaps can be filled with a few works such as

Waves in Random and Complex Media, DOI: 10.1080/17455030.2022.2152905, ZAMM, DOI: 10.1002/zamm.202200141.. Scientia Iranica A (2015) 22(6), 1972-1980. IJSTM 2016 doi:10.1007/s40997-016-0030-8. PP.1-8. Heat Transfer Research 50(8):1-11 (2019). Heat Transfer Research. 50 (15) 1105-1126, (2019). Heat Transfer Research 50(8):1-11 (2019). Advances in Mechnaical Engineering, 11 (8) 1-11, 2019. DOI: 10.1615/JPorMedia.2020027478 pages 715-729. International Communications in Heat and Mass Transfer 126 (2021) 105436. Mathematical Problems in Engineering Volume 2021, Article ID 5337589, 12 pages, https://doi.org/10.1155/2021/5337589. Journal of Function Spaces, Volume 2021, Article ID 5844741, 19 pages. Coatings 2021, 11, 1483. https://doi.org/10.3390/coatings11121483. Mathematical Problems in Engineering, Volume 2022, Article ID 7975101, 16 pages. Arabian Journal for Science and Engineering,https://doi.org/10.1007/s13369-022-06925-z.

Waves in Random and Complex Media, DOI: 10.1080/17455030.2022.2152905. ZAMM, DOI: 10.1002/zamm.202200141, Alexandria Engineering Journal (2023) 66, 1031-1050. International journal of modeling and simulation, DOI:

10.1080/02286203.2023.2191586. AIMS Mathematics, 2023. 8(5), 12062-12092.

Future directions of the work should be inserted at the end of the summary.

References are not arranged as per journal standards. Please follow the journal standard reference style.

The paper is recommended for publication after the above-mentioned MAJOR REVISIONS