Review of: "Taylor Series Based Domain Collocation Meshless Method for Problems with Multiple Boundary Conditions including Point Boundary Conditions"

Mohamed Abdelsabour Fahmy[1]

1 Umm Al-Qura University

Potential competing interests: No potential competing interests to declare.

Journal Title: Qeios

Qeios ID: **4J0WAA**

Paper title: Taylor Series Based Domain Collocation Meshless Method for Problems with Multiple Boundary Conditions including Point Boundary Conditions

The manuscript can be accepted after minor revision

Comments:

1. The current abstract should be rewritten to provide the highlight of this study.

2. What are the advantages of employed methodology?

3. What software or coding program was used to obtain the numerical results?

4- The authors should try to give advantageous of using considered methodology compared to others.

5. Authors should explain more about the novelty of their work in introduction section.

6. The authors need to explain that their methodology used in the rpaper is one of the appropriate solutions in the context of the research problem. What are the achievements of previous studies based on their current methodology? Also, describe what has not been achieved?

7. The literature survey must be enhanced. There are still many papers in the allied fields that are not cited in introduction section. I would like request author to add the following recent papers, which can help to enhance the introduction section:

https://doi.org/10.3390/fractalfract7070536

https://doi.org/10.3390/fractalfract7030214

https://doi.org/10.3934/math.20221090

https://doi.org/10.3390/polym14142883

https://doi.org/10.1016/j.enganabound.2021.11.009

https://doi.org/10.1515/eng-2022-0036

https://doi.org/10.3390/ma15051828

https://doi.org/10.3390/fractalfract6050247

8. There are many research papers study the same problem which investigated in the present paper, such as

https://doi.org/10.1080/17797179.2012.721500

https://doi.org/10.2495/BE120051

What is exactly the new point of this work?

9. The conclusions should be clear and re-written; it must be enriched about discussion on studied methodology.