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

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Potential competing interests: No potential competing interests to declare.

Certainly, these are my few question, I appreciate your work, I will also recommend you to compare with available method like SM's Method, also expect from you the answer of following questions.

1. What is the key concept behind the proposed meshless method for solving PDEs with multiple boundary conditions, including point boundary conditions?

2. How does the method generalize a function to satisfy multiple boundary conditions using Taylor series?

3. What type of problem does the proposed method transform the solution of the PDE into, especially for linear governing PDEs?

4. What modification allows the method to account for multiple point boundary conditions, and why is this a significant advantage?

5. In terms of degrees of freedom (DOFs), how does the proposed method compare to the Traditional Mesh Methods (TMM) for solving PDEs, especially for problems with singularities?

6. What precaution needs to be taken regarding the function satisfying the boundary conditions in the proposed method, and how has this issue been addressed?

7. What is the alternative approach for solving PDEs when direct differentiation of the complicated functions is cumbersome in the proposed method?

8. How does the proposed method handle problems where the boundary is defined as a set of points rather than an analytical function?

9. What are the initial results and potential future implications of the proposed methodology for solving PDEs?

10. What aspects of the method still require further investigation, particularly in handling non-linear PDEs and large-scale PDE problems?

Thank you,

Best Regards

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