

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

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Potential competing interests: No potential competing interests to declare.

Review comments and questions

I recommend publication of the research article in Qeios after minor revision and proper responses to the questions raised.

1. The article requires thorough language editing.
2. In Table 1, you have indicated that the theoretical order of convergence of the proposed method is 10. I strongly recommend you to compute the numerical order of convergence, at least for the first four numerical examples, and compare the values with the theoretical order of convergence. Do they agree? For reference purposes, see this article: <https://doi.org/10.1007/s40995-021-01141-0>
3. What is the robustness of your methods?
4. Is it feasible to compare the efficiency (computational running time) of your methods with the efficiency of the other methods developed by other authors? Think of the types and capacity of the machines used during numerical computations.
5. Are the application examples presented in this research article stiff?