

Review of: "New adaptative numerical algorithm for solving partial integro-differential equations"

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Potential competing interests: No potential competing interests to declare.

Comments on the Paper "New adaptative numerical algorithm for solving partial integro-differential equations"

In this article, the author proposed a numerical approach based on orthonormal Bernoulli polynomials for solving parabolic partial integro-differential equations. Author has used the operational matrix to transform the given problems into a nonlinear algebraic system and tested some numerical examples to examine the accuracy of the numerical algorithm. The results of the paper are good and interesting; however, the paper is in need of some minor improvements suggested below:

1. Firstly, the abstract of the article is not written well, it should be revised.
2. The authors have not provided any motivation in the introduction part. They did not clarified why they consider this problem and what are the advantages and key features of the proposed techniques.
3. The experimental results are not well presented. The analysis on Figures and tables were not clear, are you trying to show that the proposed method is faster or showing different performance under different parameters? The authors should try to improve the presentation of the experiment part. They have not even discussed the graphs and tables.
4. The physical representation of the results should be revised in order to illustrate the convergence analysis of the method.
5. Please check the paper carefully for typos and grammatical errors. In addition, the English structure of the article, including punctuation, semicolon, and other structures, must be carefully revisited.