

Review of: "On a New Two-Point Taylor Expansion With Applications"

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Potential competing interests: No potential competing interests to declare.

This work, which I find interesting, is the subject of a new design that could prove more advantageous with regard to approximations of developable functions as well as PDE solutions.

These are then the first stages where the author highlighted the points on the different local and asymptotic behaviors of the approximations by comparing the classical form with that of the subject treated.

It will be very desirable to theoretically compare the orders of convergence of the two methods and then illustrate them numerically. The work then includes only one theorem. The comparison is made in an open manner: $n=2, 4, 6...$

And to conclude, this work is a subject for future research, as already discussed in the remarks of the paper.