

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

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Potential competing interests: No potential competing interests to declare.

Referee report on the paper On a New Two Point Taylor Expansion With Applications by Mehmet Pakdemirli The paper under review introduces a new two-points Taylor expansion. The paper is well-written, and a number of examples supporting the theory are demonstrated. However, according to my opinion, the paper is not well-motivated. On the one hand, it is shown that the method has advantage compared to the usual Taylor expansion. But there are no real comments related to the two-points Taylor expansions that are earlier known from the literature. It is not clear to me why we need this new method. Is the proposed method better than the earlier one? If it is so, the author needs to explain why the earlier method is not so good. Or in which case one method is better that another, and in which case not. The example compares the result of the proposed method with single-point expansion and with the function itself. In the case of this paper, the accent should be on comparison of two different two-points Taylor expansions. In addition, it would be nice to provide a realistic example similar to that in different papers in the area. For the above reasons, I do not recommend publication of this paper in the present form.

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