

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

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**Potential competing interests:** No potential competing interests to declare.

The subject matter addressed in the current manuscript holds significant importance, as the author proposed a new version of the two-point Taylor expansions. However, some aspects require further clarification.

Here below, you can find my comments.

1. There is a numbering for **all** mathematical expressions and equations, and most of them are not related to each other. Please review the numbers for accuracy and relevance.
2. I think that the case  $m=0$  should be given separately in equation 4.
3. Use numbers instead of Roman numerals to deal with derivatives in equations 16 - 19.
4. It is better to use reasoning by induction to determine the coefficients  $a_n$  and  $b_n$ .
5. Given that the manuscript focuses on introducing a new version of the two-point Taylor expansions, it is advisable to provide comparative illustrations between the novel approach and the classical version of the expansion in the examples. This will allow readers to discern the efficacy of the new method in achieving better approximations.