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

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Potential competing interests: No potential competing interests to declare.

I am stuck at Eq. (1) for the new 2-point Taylor series expansion for the following reasons:

1. What is the motivation for doing the 2-point series expansion?
2. Is there a general theory relating Eq. (1) to analytic functions or the related power series expansions?
3. Does it imply that we can in principle have any arbitrary n-point (where n is an integer greater or equal to 2) Taylor series expansions?
4. Why is the second term of Eq. (1) with the coefficient a_{2m+1} having (x-x_0)^{m+1} while (x-x_1)^m ? Can't both have the same power like the first term?

Unless these questions are answered, I find it difficult to understand the 2-point (or the general n-point) Taylor series expansion. I do appreciate, though, that the solutions from the examples given are very nice.