

Review of: "Approximate Relationships to Reproduce the Values of Shell Correction Energy for Fission Fragments"

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Potential competing interests: No potential competing interests to declare.

This is an interesting topic. The simple empirical formulae proposed in the article must be useful. I would like to give some comments to help the author(s) improve the quality of this article.

Comment 1: Section "I. Method" should be placed in the introduction section. This section summarizes some previous methods, but they are not used in the present article.

Comment 2: It would be better to plot the linear expressions in Figs. 1-5 for an intuitive comparison. It is also important to show the relative differences.

Comment 3: Can the author(s) give a rough physical reasoning behind the piecewise linear functions? Especially explain why a linear instead of other forms is used. Moreover, why $A < \sim 80$ is not included in the present work?

Comment 4: Paragraph #2 seems to be not related to this article.

Comment 5: The Summary and Abstract can be improved.