Review of: "Comparison of extended irreversible thermodynamics and nonequilibrium statistical operator method with thermodynamics based on a distribution containing the first-passage time"

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Potential competing interests: No potential competing interests to declare.

The manuscript meticulously compares EIT and NESOM, providing a detailed analysis of their respective strengths and limitations. This aspect contributes significantly to the clarity of the paper. The choice of comparing thermodynamics based on a distribution containing the first-passage time adds novelty to the study. This is a contemporary and relevant area, and the manuscript appropriately addresses the significance of the chosen focus. The manuscript follows a clear and logical structure, facilitating ease of understanding for readers. Each section flows logically into the next, contributing to the overall coherence of the paper.

Areas for Improvement:

The manuscript occasionally employs complex language and technical jargon, which may hinder comprehension for readers unfamiliar with the specific terminology. I recommend the author to enhance the clarity of their language and provide concise explanations of key concepts.

While the comparison between EIT and NESOM is well-executed, the manuscript could benefit from providing additional context on why these particular methods were chosen for the study. A brief overview of the historical development and applications of these methods would enhance the reader's understanding.

The manuscript should include a more in-depth discussion of the results obtained from the comparison. It would be helpful to highlight specific scenarios or conditions where one method outperforms the other, providing a more nuanced understanding of the practical implications of the findings.

The inclusion of graphs, charts, or diagrams to illustrate key points and comparisons would greatly enhance the visual appeal of the manuscript. Visual aids can often convey complex information more effectively than text alone.