

Review of: "A Law for Irreversible Thermodynamics? Synergy Increases Free Energy by Decreasing Entropy"

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Potential competing interests: No potential competing interests to declare.

The study is well-organized and presents a clear introduction, methodology, results, and conclusion. The empirical examples provided lend credibility to the research and support its claims. However, to make the study more accessible to readers who may not be familiar with thermodynamic concepts, more detailed explanations of the tables used would be beneficial.

Furthermore, the study would benefit from a discussion of the potential real-world implications of the findings. For instance, how can this knowledge be applied to real-world systems and problems? What are the potential benefits or limitations of using thermodynamics to analyze complex systems?

Overall, this study is an interesting exploration of the relationship between complexity, entropy, and synergy in open systems. The proposed thermodynamic asymmetric law is an intriguing contribution to the field. However, to improve the study, more detailed explanations of thermodynamic concepts used and a discussion of the implications of the findings could be included.