

# Review of: "Technological Tools to Teach the Idea of Optimality"

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

1. The paper lacks a clear structure, making it difficult for readers to follow the flow of ideas. It would benefit from a more organized layout, with distinct sections for the abstract, introduction, theory, methodology, results, discussion, and conclusion.
2. The paper introduces the concept of optimization and its relevance in mathematics education, drawing from various sources such as Bruner and Vohns. However, it could strengthen its theoretical framework by incorporating more recent research and theoretical perspectives on optimization, particularly in the context of dynamic geometry environments.
3. The paper describes the implementation of optimization within the FeliX dynamic geometry system. While the description provides some insight into how optimization is integrated into the software, it lacks detail regarding the technical aspects of implementation. Providing more information on the algorithms used and the technical capabilities of the software would enhance the paper's rigor.
4. The paper includes several examples demonstrating the application of optimization in FeliX. While these examples are illustrative, they could be expanded to provide a more in-depth analysis of how optimization can be used to solve various types of problems. Additionally, incorporating real-world applications of optimization would enhance the paper's relevance and practicality.
5. The conclusion section briefly summarizes the findings but could be expanded to discuss implications for mathematics education and suggest avenues for future research. This could include exploring the potential impact of incorporating optimization into mathematics curricula, investigating optimal teaching strategies for dynamic geometry environments, and addressing potential challenges or limitations of the approach.
6. The paper would benefit from improved clarity and language usage. Some sentences are overly complex or convoluted, making them difficult to understand. Simplifying the language and clarifying the explanations would enhance readability and accessibility for a wider audience.