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

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The paper titled "Technological Tools to Teach the Idea of Optimality," by Reinhard Oldenburg from Universität Augsburg, explores how the concept of optimality, a fundamental idea in mathematics, can be integrated into digital teaching tools, particularly through the Felix dynamic geometry online system. It argues for the inclusion of optimality statements alongside equality statements to describe geometric scenes and discusses teaching experiences with this approach. The paper highlights the underrepresentation of optimization problems in mathematics education compared to their importance in mathematical research and proposes a method to address this gap by embedding optimization directly into dynamic geometry environments. This approach is demonstrated through examples using the Felix system, showing its potential to enrich mathematical teaching and learning by allowing direct interaction with optimization problems. The paper concludes that while further research is needed to evaluate the effectiveness of this approach with younger students, initial experiences suggest it could be a valuable addition to mathematics education.