

# Review of: "Paradigm shift in Special Relativity: From the Michelson-Morley experiment, Lorentz and light speed invariance, to the reciprocal linear Sagnac effect and conservation of simultaneity"

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Potential competing interests: No potential competing interests to declare.

1. **Title:** The title gives a comprehensive insight into the core argument that the paper intends to discuss. It immediately communicates a sense of controversy and foundational challenge in the field of special relativity. The use of terms such as 'paradigm shift' may generate curiosity and interest among readers.

2. **Abstract:** The abstract is clear, concise, and tells the reader the paper's purpose. The authors claim that the standard perspective on special relativity as reliant on Lorentz invariance and light-speed invariance is theoretically problematic and not supported by modern experimental evidence. They clearly state their intentions to promote an alternate view of special relativity.

3. **Introduction:** The authors give a general overview of the historical understanding of the topic, explaining the significance of the scientific progress in challenging the foundations of the existing theories, which provides a relevant and appealing backdrop to their paper.

4. **Section 2:** This section outlines the argument and provides a brief review of the historical development of special relativity. The connection made between the Michelson-Morley experiment and the reciprocal Sagnac effect could be insightful for readers. However, the full section text is needed to further evaluate this part.

In conclusion, this paper appears to construct a well-thought-out argument about a valued topic. The content provided thus far seems clear, concise, and academically rigorous. The authors suggest they are contributing a novel viewpoint on the evolution of special relativity, which could be compelling for readers within this field. The work addresses a very interesting and current topic: It is well written and structured with appropriate symbology.