

Peer Review

Review of: "The Sagnac Effect and General Relativity Foundations"

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Dear Dr. Lambare,

Your paper is certainly correct and consistent with the results of Ref. [31], of which I am one of the authors.

Unfortunately, it is incredible how there still exist fringe researchers like Mr. Engelhardt and others cited in this same paper who maintain that relativity is incorrect.

The paper is well-written, well-referenced, and seems correct from the mathematical point of view; see in particular the details of the calculations in section 4.2. In particular, it is very precise in clarifying how things really are, so I compliment you and suggest that you publish the paper itself in some good journal.

I also suggest you consider as references the following papers of mine which support the use of both general relativity and special relativity in the analysis of rotational motions with consequent time dilation effects: Mod. Phys. Lett. A 2024, 2450014 (2024), Found Phys 52, 42 (2022), and Int. Jour. Mod. Phys. D 28 (10), 1950131 (2019). These papers also show how other types of "exotic" and alternative explanations to relativity for the explanation of time dilations in rotating experiments are wrong at a rather elementary level and must therefore be rejected, such as Mr. Engelhardt's paper.

Declarations

Potential competing interests: No potential competing interests to declare.