

Review of: "A Study on the Absolute Stationary Inertial Frame and the Relative Velocity, Inertia Mass, Momentum and Kinetic Energy in the Inertial Frame moving relative to it"

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Potential competing interests: No potential competing interests to declare.

The study presents intriguing approaches to deriving mathematical descriptions that lead to hypotheses concerning the existence of an absolute inertial reference frame. Yet, this paper provides only a physical perspective and does not engage with the philosophical implications of what constitutes such a frame of reference. I contend that the work is incomplete because it does not incorporate substantial research from prior studies, nor does it sufficiently compare its findings with related scholarly work. For instance, what conclusions have other analogous studies drawn about the phenomena under analysis here (take, for example, the Twin Paradox)?

I would urge the author to conduct more comprehensive research into these topics independently and then integrate each element to construct a more cogent hypothesis in future work. At present, the paper jumps to conclusions that may not offer novel insights and lacks a critical discussion or examination of the presented descriptions, particularly in how they stand in contrast to Special Relativity. For example, a more thorough exploration would be beneficial to substantiate a proposition that posits the existence of an absolute stationary inertial frame—a claim that, as it is currently presented, gently defies the well-established tenets of Special Relativity. Consequently, in its current form, I would not advocate for its publication.

Please consider my review as a recommendation or suggestion, since I unfortunately do not have the availability to perform a second critique of this work. I extend my best wishes to the author for their continued research efforts.