

Review of: "Accelerated Motion Towards Relativistic Velocities Described by Newtonian Mechanics"

Lachezar Simeonov¹

¹ Sofia University "St. Kliment Ohridski"

Potential competing interests: No potential competing interests to declare.

The paper is an interesting attempt to derive the familiar results of Special Relativity (SR) with Newtonian Mechanics. However, there are problems with it, which the author probably is aware. First, there are three empirically equivalent interpretations of relativity theory -relativistic interpretation, Minkowskian interpretation and Lorentzain-Poincare interpretation. The latter interpretation can derive all results of relativity using only Newtonian mechanics (including time dilation) without the expedient to introduce another dimension w . For this reason Lorentz-Poincare interpretation has all the advantages of rational Newtonian mechanics but is empirically equivalent to SR. Second, the time dilation postulate is quite well affirmed empirically and any theory that violates it should be viewed with suspicion. Nonetheless the paper is an interesting attempt to try to make sense of relativity by either denying the fantastic pluralistic ontology of the relativistic interpretation or denying the unwarranted acceptance of B-theory of time in Minkowskian interpretation, which is in clear violation of properly basic beliefs (like A-theory of time). For this reason, the paper is to be commended.