

Abstract Submitted
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Special Theory of Relativity: Logical Inconsistencies STEPHEN CROTHERS, No Company Provided — When Einstein formulated his Special Theory of Relativity he tacitly assumed that it is possible to construct systems of clock-synchronized stationary observers consistent with the Lorentz Transformation. Such systems of observers are essential to the Special Theory. By mathematically constructing an infinite system of stationary observers and forcing it to comply with the Lorentz Transformation, it follows that the observers cannot be clock-synchronized. Conversely, by mathematically constructing an infinite system of clock-synchronized observers and forcing it to comply with the Lorentz Transformation, it follows that the observers cannot be stationary. Only one element of each of the said sets of observers has the deceptive appearance of satisfying Einstein's assumption. It is this element which Einstein incorrectly allowed to speak for all observers by virtue of his assumption; but clearly not all observers are equivalent. Furthermore, a system consisting of a single observer cannot be clock-synchronized or stationary with respect to anything. Einstein defined time by means of clocks. In so doing he detached time from physical reality because time is perceived and understood by the motion of celestial bodies, which is independent of the hands of a clock.

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