

Translation into English: [Chapter 2 - Catalogue of Errors for Both Theories of Relativity](#)

from the German documentation of G.O. Mueller

"On the Absolute Magnitude of the Special Theory of Relativity - A Documentary Thought Experiment on 95 Years of Criticism (1908-2003) with Proof of 3789 Critical Works" - Text Version 2.1 - June 2004  
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E: Motion / Error No. 4

### **In the theory [STR] itself, the validity of the principle of relativity is repeatedly ignored**

*In several cases the grandly announced principle of relativity (AE 1905, pp 891 and 895) is not applied in the theory itself. An example: the mass-velocity relationship.*

*Critical overviews are given by Theimer 1977 (pp 78-84) and Galeczki / Marquardt 1997 (pp 127-130 and 134-142). Theimer reports on the thought experiment of Lewis and Tolman (1909), in which two systems in motion with respect to each other, between which two spheres bounce off each other and back again, are supposed to display "simultaneity", whereby they find themselves in a common, absolute time, from which then the reality of a mass increase is derived. This can no longer be a relativistic effect, because the principle of relativity is not supposed to hold.*

*The Kaufmann experiment of 1901 (deflection of electrons in the magnetic field) has no connection to the theory of relativity. The increase in the mass of the electrons is only one of several possible explanations of Kaufmann's readings. No mass whatsoever was directly measured. The relativists write the equations such that a change in mass can be interpreted; but Max Jammer 1964 ("Masse"), p. 182, draws attention to another version of the equation, in which the mass remains constant. In this way the fictitious nature of mass increase is shown to be merely one possible explanation of a random mathematical approach.*

In the case of the mass-velocity relationship, not only the validity of the principle of relativity is disregarded, the alleged result is also an arbitrary interpretation of an experiment that measured no mass directly. - A detailed discussion of the error of the mass-velocity relationship can be found under Error J 1. - The disregard of the principle of relativity is a continuously repeated error in the world of relativity and is only mentioned in this case as an example. Further examples: the running behind of the clock returning from its round tour, cf. Error D 6, and its application in the twins error, cf. Error D 9.

AE 1905. - Jammer, Max: Der Begriff der Masse in der Physik / translated from the Engl. by Hans Hartmann. Darmstadt 1964. 248 pages - Theimer, Walter: Die Relativitätstheorie : Die Relativitätstheorie : Lehre - Wirkung - Kritik. Bern (etc.): Francke 1977. 192 pages - Galeczki / Marquardt: Requiem für die Spezielle Relativität / Georg Galeczki, Peter Marquardt. Frankfurt a. M.: Haag u. Herchen, 1997. 271 pages.