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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H: Mathematics / Error No. 3

Albert Einstein's and Max von Laue's derivations of length contraction and time dilation contain fundamental errors

Pagels (1985, pp 38-40) analyzes the mathematical deductions of both authors and discovers analogous errors for contraction and dilation.

On the derivation of contraction (p. 38): "If, with respect to [x(index 1) not equal to x(index 2)], one sets the equation [t(index 1] = t(index 2)], then, in accordance with (4), one has stated physically that the absolute constant speed c for two unequal paths [x(index 1) not equal to x(index 2)] requires two equal times [t(index 1] = t(index 2)] - which is fully absurd and completely devoid of principles.

On the derivation of dilation (p. 39), as a clear analogy: "... then, in accordance with (4), one has stated physically that the absolutely constant speed c for two equal paths [formula] requires two unequal times [formula] - which is fully absurd and completely devoid of principles!"

The parallels to Error H 1 are obvious.

Pagels, Kurt: Mathematische Kritik der Speziellen Relativitätstheorie / 2., bound edition. Oberwil b. Zug: Kugler, 1985. 112 pages.