

Einstein's Untimely Burial

Myrvold, Wayne C. (2000) Einstein's Untimely Burial.

Full text available as:

<u>PDF</u> - Requires a viewer, such as <u>Adobe Acrobat Reader</u> or other PDF viewer. <u>Tex/LaTeX</u> - Requires a viewer, such as <u>Tex Live - Windvi</u> on the TeX Live CD-ROM. <u>Postscript - Requires a viewer, such as GhostView - GSView</u>

Abstract

There seems to be a growing consensus that any interpretation of quantum mechanics other than an instrumentalist interpretation will have to abandon the requirement of Lorentz invariance, at least at the fundamental level, preserving at best Lorentz invariance of phenomena. In particular, it is often said that the collapse postulate is incompatible with the demands of relativity. It is the purpose of this paper to argue that such a conclusion is premature, and to defend the view that a covariant account of collapse can be given according to which the state histories yielded by different reference frames are the Lorentz transforms of each other. Objections that have been raised to such a view are considered.

Keywords: Peaceful Coexistence, Quantum Mechanics, Relativity, Fleming, Maudlin

Subjects: Specific Sciences: Physics: Quantum Mechanics

ID Code: 222

Deposited By: Myrvold, Wayne C.

Deposited On: 11 April 2001

Send feedback to: philsci-archive@library.pitt.edu