

Relativistic Quantum Becoming

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Abstract

In a recent paper, David Albert has suggested that no quantum theory can yield a description of the world unfolding in Minkowski spacetime. This conclusion is premature; a natural extension of Stein's notion of becoming in Minkowski spacetime to accommodate the demands of quantum nonseparability yields such an account, an account that is in accord with a proposal which was made by Aharonov and Albert but which is dismissed by Albert as a 'mere trick'. The nature of such an account is clarified by an extension to a relativistic quantum context of David Lewis' picture of objective chances evolving in time.

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