

Counterfactual Logic and the Hardy Paradox: Remarks on Shimony and Stein's Criticism of Stapp's Proof

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Abstract

This is an extended critique of comments made by Abner Shimony and Howard Stein on Henry Stapp's proof of the non-locality of quantum mechanics. Although I claim that ultimately Stapp's proof does not establish its purported conclusion, yet Shimony and Stein's criticism contains a number of weak points, which need to be clarified.

Keywords: Counterfactuals, possible worlds, quantum entanglement, non-locality, the Hardy paradox

Subjects: [Specific Sciences: Physics: Quantum Mechanics](#)

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