

Logical refutation of the EPR argument

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Abstract

On the grounds that the Einstein-Podolsky-Rosen argument is an example of reasoning by reductio ad absurdum, and that a counterexample is unacceptable, unless all its elements meet all the necessary conditions, its conclusions are invalidated. The arguments in this paper are strictly logical. Einstein, Podolsky and Rosen made a mathematical assumption that is incompatible with quantum mechanics.

Keywords: interpretations of quantum mechanics

[General Issues: Structure of Theories](#)

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