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Dieks' Realistic Interpretation of Quantum Mechanics: A Comment

Barnum, Howard (1990) Dieks' Realistic Interpretation of Quantum Mechanics: A Comment. UNSPECIFIED. (Unpublished)



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Abstract

D. Dieks has proposed a semantical rule which he claims yields a realistic interpretation of the formalism of quantum mechanics without the projection postulate. I argue that his proposal is unacceptable because it violates a natural requirement of psychophysical parallelism. His "semantical rule" is not an acceptable interpretive rule because it does not identify structures in the theory with structures in our experience, but postulates a merely probabilistic relationship between the two. Dieks' interpretation is contrasted with Everett's relative state interpretation, which attempts the same task but respects psychophysical parallelism.

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Additional Unpublished 1990 preprint, has seen some limited circulation since then.

Keywords: quantum mechanics modal interpretation Dieks probabilities psychophysical parallelism

Subjects: Specific Sciences > Physics > Quantum Mechanics

Depositing User: Howard Barnum Date Deposited: 09 Mar 2006 Last Modified: 07 Oct 2010 11:13

Item ID: 2649 Public Domain: No

Commentary on: D. Dieks, "Quantum Mechanics Without the Projection Postulate and its Realistic

Interpretation", Foundations of Physics vol. 19, pp. 1397-1423 (1989)

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