

Epistemology Quantized: circumstances in which we should come to believe in the Everett interpretation

Wallace, David (2006) Epistemology Quantized: circumstances in which we should come to believe in the Everett interpretation.

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Abstract

I consider exactly what is involved in a solution to the probability problem of the Everett interpretation, in the light of recent work on applying considerations from decision theory to that problem. I suggest an overall framework for understanding probability in a physical theory, and conclude that this framework, when applied to the Everett interpretation, yields the result that that interpretation satisfactorily solves the measurement problem.

Keywords: Quantum Mechanics
Everett Interpretation

Subjects: [General Issues: Decision Theory](#)
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ID Code: 2839

Deposited By: [Wallace, David](#)

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