



UPT PROFESSOR AUTHORS BOOK

Dr. James Henderson, Assistant Professor of Mathematics and Philosophy at the University of Pittsburgh at Titusville, recently authored *The Relative-State Interpretation of Quantum Mechanics: Solving the Quantum Mechanical Measurement Problem*.

Quantum mechanics is as successful a scientific theory as has ever been produced, but there is no real agreement as to what it means. The central mystery is the so-called measurement problem, which involves sub-atomic particles behaving in qualitatively different ways when they are observed and when they are not. Tied to the measurement problem is von Neumann's "catastrophe of infinite regress." Henderson's work examines solutions to the measurement problem and concludes that the way out of von Neumann's trap is to deny that the regress that bears his name is catastrophic.

In addition to this book, Henderson has been published in various other publications including "Frequentist and Bayesian: A Marriage Made in California," a chapter in *Probability Is the Very Guide of Life*; "Teaching Evolution to Creationists" in *Sociological Viewpoints*; "Problems With Pragmatic Approaches to Setting a Moral Scope" in *Ethic@: An International Journal for Moral Philosophy*; and "Time for Equal Marriage Rights" in *Values Newsletter*. Henderson has a forthcoming article entitled "Classes of Copenhagen Interpretations: Mechanisms of Collapse as Typologically Determinative" in *Studies in History and Philosophy of Modern Physics*.

Henderson lives with his wife, Dr. Rhonda Clark, and their two daughters, Katherine and Elizabeth, in Titusville, PA.

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