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## Quantum Meaning: A Semantic Interpretation of Quantum Theory

By Ashish Dalela

Shabda Press. Paperback. Condition: New. 228 pages. Dimensions: 8.5in. x 5.5in. x 0.6in. The problems of indeterminism, uncertainty and statistics in quantum theory are legend and have spawned a wide-variety of interpretations, none too satisfactory. The key issue of discontent is the conflict between the microscopic and the macroscopic worlds: How does a classically certain world emerge from a world of uncertainty and probability To attempt to solve this riddle, we must first understand the nature of atoms. What If Atoms Are Not Things But Ideas In the Semantic Interpretation of Quantum Theory atomic objects are treated as symbols of meaning. The book shows that if atoms are symbols, then describing them as meaningless objects would naturally lead to problems of uncertainty, indeterminism, non-locality and probability. For example, if we analyze a book in terms of physical properties, we can measure the frequencies of symbols but not their meanings. Current quantum theory measures symbol probabilities rather than meanings associated with symbol order. Unless quantum objects are treated as symbols, the succession or order amongst these objects will remain unpredictable. Is Quantum Theory a Final Theory of Reality Quantum Meaning argues that the current quantum theory is not a final theory of reality. Rather,...



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