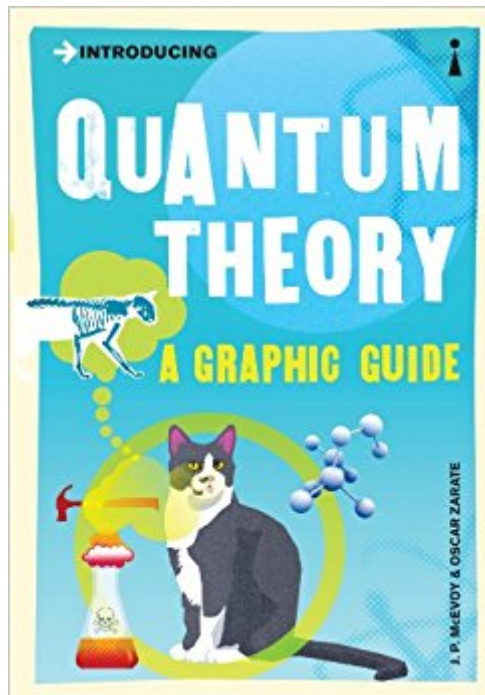




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Introducing Quantum Theory: A Graphic Guide (Introducing...)



Synopsis

Quantum theory confronts us with bizarre paradoxes which contradict the logic of classical physics. At the subatomic level, one particle seems to know what the others are doing, and according to Heisenberg's "uncertainty principle", there is a limit on how accurately nature can be observed. And yet the theory is amazingly accurate and widely applied, explaining all of chemistry and most of physics. "Introducing Quantum Theory" takes us on a step-by-step tour with the key figures, including Planck, Einstein, Bohr, Heisenberg and Schrodinger. Each contributed at least one crucial concept to the theory. The puzzle of the wave-particle duality is here, along with descriptions of the two questions raised against Bohr's "Copenhagen Interpretation" - the famous "dead and alive cat" and the EPR paradox. Both remain unresolved.

Book Information

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Customer Reviews

This book sets out to provide a comprehensible, informal introduction to quantum theory. It does just that. The format could almost be described as a "science comic book." It's a readable and understandable survey of the experiments which led the big names of the time (Bohr, Einstein,

Dirac, Pauli, Heisenberg and some others) to develop the theory. The book follows the story up to the challenge of non-locality. (What a cliff-hanger that is!) If you're technically oriented and want to begin to understand the subject - to get past the conceptual difficulties - you'll find this book really useful.

If I ever received it I probably give it 5 stars. Was it sent as a book or for my Kindle?

Great book for high school physics and chem teachers.

The value/interest of the book certainly depends on one's previous information and "knowledge" of quantum theory. It is nice, skims along, and tries to explain the basis to this wonderful theory. The book humourously introduces the main characters and history of the theory's development. The graphics are somewhat small for a kindle.

I really enjoyed this book and I think I learned a lot. I'm most interested in the philosophical aspects of quantum mechanics, especially wavefunction collapse and the mind-body problem, and I found that this book was not very philosophical. There were only a couple pages on Schrodinger's cat and a couple pages on the slits & interference experiment. For those sensitive to this sort of thing, there's a biographical page on Schrodinger which is R-rated. (Well, maybe PG-13. Whatever.)

Interesting presentation of a complicated subject. While I would have preferred more math it probably wouldnt have fit the cartoon like presentation.

I love this book. Helped me to understand (not really) Quantum mechanics. You should have a shot at reading this.

Good presentation with catchy illustrations. It has maintained a good time line unfolding the mystery as it happens. I wish they gone further on atom smashing and its zoo of particles.

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