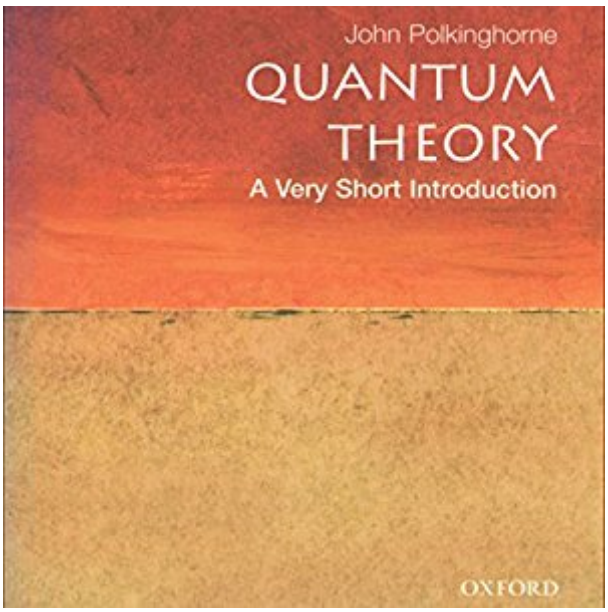
Quantum Theory: A Very Short Introduction



Synopsis

Quantum Theory is the most revolutionary discovery in physics since Newton. This book gives a lucid, exciting, and accessible account of the surprising and counterintuitive ideas that shape our understanding of the sub-atomic world. It does not disguise the problems of interpretation that still remain unsettled 75 years after the initial discoveries. The main text makes no use of equations, but there is a Mathematical Appendix for those desiring stronger fare. Uncertainty, probabilistic physics, complementarity, the problematic character of measurement, and decoherence are among the many topics discussed. This volume offers the reader access to one of the greatest discoveries in the history of physics and one of the outstanding intellectual achievements of the twentieth century.About the Series: Combining authority with wit, accessibility, and style, Very Short Introductions offer an introduction to some of life's most interesting topics. Written by experts for the newcomer, they demonstrate the finest contemporary thinking about the central problems and issues in hundreds of key topics, from philosophy to Freud, quantum theory to Islam. --This text refers to the Paperback edition.

Book Information

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Customer Reviews

A text written by a true master who brings the explanations and discussions of the foundations of quantum physics to a new level in popular books. You won't easily find elsewhere the same level of depth and broad understanding of science nor of the many conceptual puzzles that quantum physics bring to us. as you find here. A must read not only for those interested in science and physics but also to those interested in a understanding of the nature of our world.

I am a Pollkinghome fan. So I enjoy his writings and find them understandable. ********WARNING, WARNING, WARNING******** For those of us that wear glasses: don’t buy the physical book.. The font is VERY, VERY small. I understand this was done to keep the books cheap. But if you wear glasses, it is a big eye strain.

This book is great for people seeking a basic view of Quantum theory. Polkinghorne has an easy to read style of writing and is able speak in terms a layman will easily understand. There is some mathematics in this book but it is nothing any undergraduate could not grasp. I enjoyed this book and I highly recommend it to anybody who wants to know what Quantum Theory is all about.

An excellent short intro as the title mentions. It probably needs some familiarity with school physics. Two things I liked best about the book. First, it includes not only the science, but also briefly the history of how it did develop. Secondly, the last chapter, which tried to address the meaning of quantum mechanics. One of the best books as an entry to this field for non-experts.

This book does a good job of breaking down the information in a way that can be understood...as much as anyone can understand quantum theroy

To write a brief summary of quantum physics is no easy thing to do but this book succeeds. The history and growth of the subject is treated along with the physics and presented in an easily digested form. The physics itself demands an uncoupling of the mind from everyday experiences and common knowledge, a point the author raises in his last chapter. All in all I found the book useful as a base on which to launch a deeper look into the subject. Definitely recommend it to anyone who needs some basic knowledge on quantum physics. The book is thin and paperback sized. It is in excellent condition.

This book is a go to book for anyone interested in quantum physics. The author provides ample exemples to help understand the various concepts related to quantum physics. if you are completely new to quantum physics, some explanations are not so easy to comprehend.

I would recommend having a science dictionary handy if you are not familiar with a wide range of mathematical terms and functions as well as basic and even more advanced principles of physics. If

you are a beginner you may struggle with this little book or at least be spending a lot more time trying to digest some of the ideas.

Quantum Theory: A Very Short Introduction (Very Short Introductions) Advanced Molecular Quantum Mechanics: An Introduction to Relativistic Quantum Mechanics and the Quantum Theory of Radiation (Studies in Chemical Physics) Game Theory: A Very Short Introduction (Very Short Introductions) Quantum Theory: A Very Short Introduction Buddhism: A Very Short Introduction (Very Short Introductions) Christianity: A Very Short Introduction (Very Short Introductions) African Religions: A Very Short Introduction (Very Short Introductions) Tibetan Buddhism: A Very Short Introduction (Very Short Introductions) God: A Very Short Introduction (Very Short Introductions) Philosophy in the Islamic World: A Very Short Introduction (Very Short Introductions) Judaism: A Very Short Introduction (Very Short Introductions) The Hebrew Bible as Literature: A Very Short Introduction (Very Short Introductions) Free Speech: A Very Short Introduction (Very Short Introductions) The Blues: A Very Short Introduction (Very Short Introductions) Ethnomusicology: A Very Short Introduction (Very Short Introductions) World Music: A Very Short Introduction (Very Short Introductions) Modernism: A Very Short Introduction (Very Short Introductions) Gandhi: A Very Short Introduction (Very Short Introductions) Theatre: A Very Short Introduction (Very Short Introductions) Photography: A Very Short Introduction (Very Short Introductions)