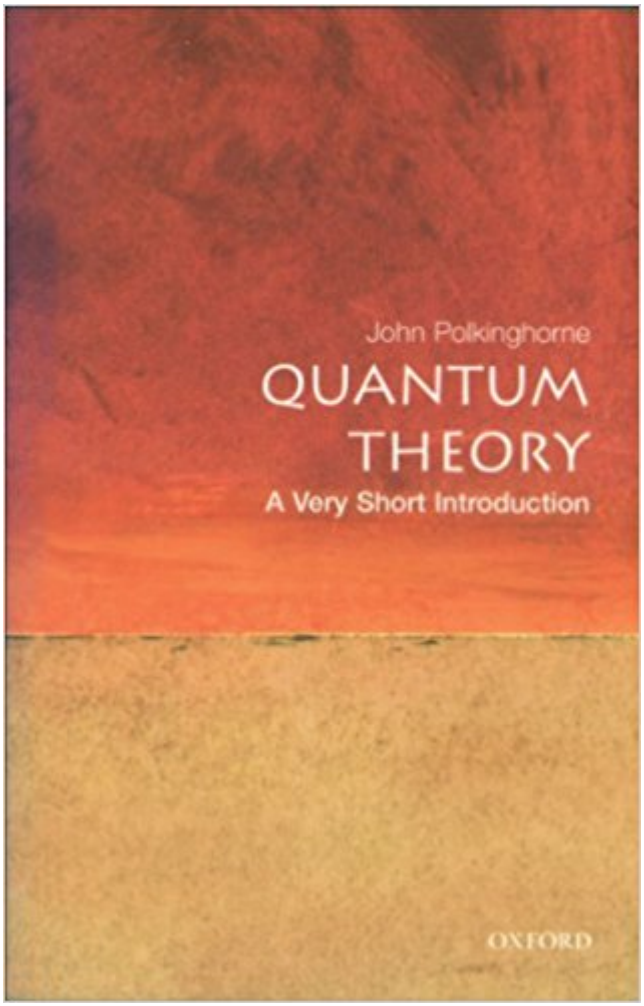
Quantum Theory: A Very Short Introduction (Very Short Introductions)



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.ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

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.