Quantum Physics For Dummies

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Quantum Physics For Dummies helps make quantum physics understandable and accessible. From what quantum physics can do for the world to understanding hydrogen atoms, readers will get complete coverage of the subject, along with numerous examples to help them tackle the tough equations. Compatible with classroom text books and courses, *Quantum Physics For Dummies* lets students study at their own paces and helps them prepare for graduate or professional exams. Coverage includes: The Schrodinger Equation and its Applications The Foundations of Quantum Physics Vector Notation Spin Scattering Theory, Angular Momentum, and more

Quantum Physics For Dummies Details

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Stan Paulsen says

I bought this book more as a trophy than anything else. For many years now I've used an example of someone trying to explain something very complex in simple terms so anyone could understand it as being as absurd as someone writing a Quantum Theory for Dummies book. Well, here it is. When I saw it I laughed out loud and had to buy it. Wouldn't you know it, the first page I flipped to had some calculus and differential equations. Take that you dummy!

Les Gehman says

This book is not for dummies. If it were presented as a supplement to a quantum physics textbook, I'd give it four stars. As a "for Dummies" book, I'm afraid it's a failure. I came into this book just having finished String Theory For Dummies by Andrew Zimmerman Jones, which I highly recommend. String Theory for Dummies is a wonderful introduction to the very strange universe of string theory. In contrast, Quantum Physics for Dummies is an almost indecipherable, math-laden, incomprehensible "introduction" to quantum physics. The introduction states that you need a good background in college calculus including differential equations and at least a year of college physics to understand this book. The introduction does not lie. I have all these qualifications (and I'd add matrices mathematics to the requirements) and I still could not follow a lot of the math. My main problem with the book was that the author did a poor job of connecting all this math to the real world. There was very, very little qualitative discussion of quantum physics, and 90+% of the book was spent solving equations, but failing to tie the resulting equation to any physical object or phenomenon. All that said, it's not a bad book, it's just not appropriate for the "For Dummies" series.

Terry says

Excellent

Jmp says

I must be one of the dumber dummies. No way I can read this book. Is there one for beginner dummies? I don't have a degree in physics or calculus nor do I plan to acquire one to read this book. Egads!

Tim says

amazon reviews of this book are hilarious -- pretty evenly divided between 5 stars and 1 star. The one star reviews are all of the form: "This isn't for dummies!" It is ridiculous that this is a 'dummies' book ... it's the real deal, and probably over my head like every other serious book I've tried to read on the subject.

Richard Behrens says

Couldn't get through it. Too much quantum math, but learned some fundamentals. The chapter on the internal structure of a single hydrogen atom was worth the struggle.

Johan says

I fully agree with Les. The book does an excellent job of hiding quantum mechanics behind equations. No real explanation. Just like my uni textbook ...

Andrew says

Very heavy on mathematics. If you want a general introduction look elsewhere.

Vincent Russo says

Book was ridden with errors. Dirac notation is constantly written incorrectly and looks like it was printed in Microsoft word. Symbols are misused(21,35,etc). Page 48 incorrectly calculates eigenvectors and previously derives the uncertainty principle with some noticeable errors.

Jim George says

Unless you have an advanced degree in calculus this book is not for you. Mathmatical equations for Albert Einstein and Super Computers.

Esther Rabbit says

Who said Quantum Physics is not for everyone? For the naturally born curious, for writers (like me, who are investigating a certain topic before actually writing about it), for the young and senior, this book doesn't disappoint. I am a declared fan of the "For Dummies" series, mostly because my expertise never encompassed this world, yet I'm curious enough to give it a try, in part because I don't want to make a complete ass of myself if (ever) the conversation arises.
So yeah, with certain limitations, but I still want to keep up.

Bill Kusmez says

So far, I love this book. However, the only reason I can say this is because I have just taken Differential Equations and Linear Algebra. I also purchased the companion workbook, which is a great aid to understanding the material.

The math errors are frustrating sometimes. And like other reviews, I agree that it isn't really a Dummies book.

Henry says

The author was unable to present the subject comprehensibly. It spent too much time trying to water down concepts that were simple to begin with, but did not take time to explain the math or the concepts that are truly at the core of quantum physics.

I would generally not recommend this book.

Caitlin says

Good for the mathematics/equational side of things, but not for the general theories and insights.

Adam says

Guess I'll try this one again.. :)