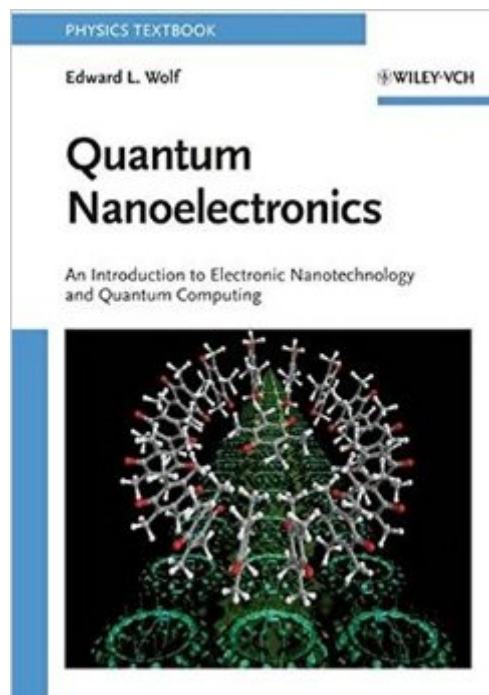


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# Quantum Nanoelectronics: An Introduction To Electronic Nanotechnology And Quantum Computing



## Synopsis

A tutorial coverage of electronic technology, starting from the basics of condensed matter and quantum physics. Experienced author Ed Wolf presents established and novel devices like Field Effect and Single Electron Transistors, and leads the reader up to applications in data storage, quantum computing, and energy harvesting. Intended to be self-contained for students with two years of calculus-based college physics, with corresponding fundamental knowledge in mathematics, computing and chemistry.

## Book Information

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Average Customer Review: 3.5 out of 5 stars [See all reviews](#) (2 customer reviews)

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## Customer Reviews

Although the author of this book (also the professor of the class I took this for) claim that all you need to understand this material is Mechanics and E&M as a prerequisite, that is not the case at all. The book discusses advanced topics right off the bat in theoretical physics and would really only benefit someone that has taken courses in Quantum Physics and Solid State Physics, which I did not. It's not at all engaging and put me to sleep throughout the semester. The equations are just thrown at the reader with no examples on how to properly use them (like most physics and calculus books normally have). It dives right into cutting edge technology without starting with the basic physics that led up to the breakthrough. It is a book for physics majors, not engineering majors. I was really disappointed with it and if I could do it over, I would never have taken the course either.

I bought it for my class. If you just interested in the field, you can buy it if you have some physical

background.

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