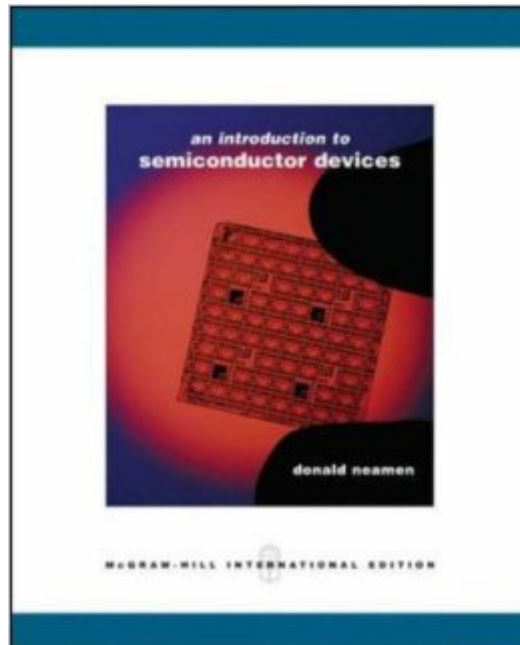


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# Semiconductor Device Fundamentals



## Synopsis

"An Introduction to Semiconductor Devices" by Donald Neamen provides an understanding of the characteristics, operations and limitations of semiconductor devices. In order to provide this understanding, the book brings together the fundamental physics of the semiconductor material and the semiconductor device physics. This new text provides an accessible and modern presentation of material. Quantum mechanic material is minimal, and the most advanced material is designated with an icon. Excellent pedagogy is present throughout the book in the form of interesting chapters openers, worked examples, a variety of exercises, key terms, and end of chapter problems.

## Book Information

Paperback: 704 pages

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Product Dimensions: 7.6 x 1.3 x 9.4 inches

Shipping Weight: 2.2 pounds

Average Customer Review: 3.1 out of 5 stars [See all reviews](#) (8 customer reviews)

Best Sellers Rank: #1,721,875 in Books (See Top 100 in Books) #73 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Superconductivity](#) #611 in [Books > Science & Math > Physics > Solid-State Physics](#)

## Customer Reviews

Pretty good book, but it seemed to lack some detail/understanding that I really wanted as a senior/1st year graduate class in electrical engineering. I felt like I would search for answers to specific questions, just to have to go elsewhere to find it. However, I have been told, multiple times, that it is one of the best out there, so keep that in mind.

One of the best books on the elementary knowledge on semiconductor physics. Every basic thing is covered. Worth paying for it. Everything is awesome!

This book is as droll as they come. Not a good read and apparently useless for Sandip Das' Semiconductor Devices class at SPSU.

Some parts of the book were easy to understand but some where sloppy. I found myself using Google to help with homework

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