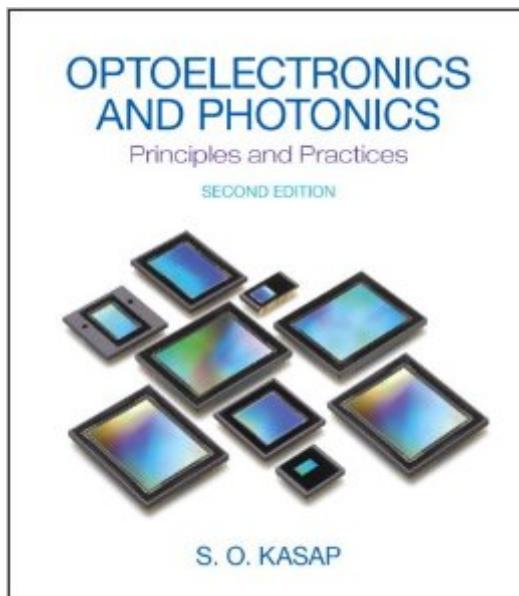


The book was found

Optoelectronics & Photonics: Principles & Practices (2nd Edition)



Synopsis

For one-semester, undergraduate-level courses in Optoelectronics and Photonics, in the departments of electrical engineering, engineering physics, and materials science and engineering.

This text takes a fresh look at the enormous developments in electro-optic devices and associated materials.

Book Information

Hardcover: 544 pages

Publisher: Pearson; 2 edition (October 25, 2012)

Language: English

ISBN-10: 0132151499

ISBN-13: 978-0132151498

Product Dimensions: 7.2 x 1.3 x 9.2 inches

Shipping Weight: 2.3 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 starsÂ See all reviewsÂ (14 customer reviews)

Best Sellers Rank: #506,100 in Books (See Top 100 in Books) #30 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Optoelectronics #160 inÂ Books > Science & Math > Physics > Optics #98640 inÂ Books > Textbooks

Customer Reviews

The first edition of this book was a pleasure to read. It was a 5 star textbook. When I discovered that the second edition had just come out, I could not wait to get hold of the second edition. Well, the second edition is about 530 pages. Although it is thicker than the first edition, it is still thinner and more usable than other optoelectronic texts. The second edition has many modern topics as well. It seems as if the author has rewritten everything and redrawn all the diagrams and redone all the examples and problems. It feels and looks like a totally new book. My impression is that second edition looks very professional, and has beautiful clear illustrations and photographs throughout the book. It is obvious that it has been prepared with deep dedication to detail. It is full of hundreds of practical examples and solved problems. There are also various historical anecdotes and biographies of famous scientists in photonics. I found these most enjoyable to read. For example, I had not realized Dr. Kapany played a key role in the early development of optical fibers. The author seems to have dug and found some of the most interesting photos and illustrations I have seen in any book. The explanations are exceptionally clear - actually this is typical of this author. The level of mathematics is about right at the third or fourth year university level. Indeed, the author never

seems to avoid getting into long derivations but provides a clear explanation of the principles that are involved in the equation derivation. He then applies the equation in a practical example using typical values. It is not however a qualitative textbook. It is a proper undergraduate book.

[Download to continue reading...](#)

Optoelectronics & Photonics: Principles & Practices (2nd Edition) Thin-Film Optical Filters, Fourth Edition (Series in Optics and Optoelectronics) Liquid Crystal Devices: Physics and Applications (Artech House Optoelectronics Library) Semiconductors for Solar Cells (Artech House Optoelectronics Library) High-Power Optically Activated Solid-State Switches (Artech House Optoelectronics Library) Fiber Optics and Optoelectronics (Prentice Hall Series in Solid State Physical Electronics) Waves and Fields in Optoelectronics (Prentice-Hall series in solid state physical electronics) Solid State and Quantum Theory for Optoelectronics Texas Criminal Law: Principles and Practices (2nd Edition) Applications of Nonlinear Fiber Optics, Second Edition (Optics and Photonics Series) Optical Fiber Telecommunications Volume VIB, Sixth Edition: Systems and Networks (Optics and Photonics) Optical Fiber Telecommunications Volume VIA, Sixth Edition: Components and Subsystems (Optics and Photonics) Photonics: Optical Electronics in Modern Communications (The Oxford Series in Electrical and Computer Engineering) Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics and Lasers Microwave Photonics: Devices and Applications Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics, and Lasers (Optical and Electro-Optical Engineering Series) Fundamentals of Microwave Photonics (Wiley Series in Microwave and Optical Engineering) Photonics of Biopolymers (Biological and Medical Physics, Biomedical Engineering) Fundamentals of Photonics Silicon Photonics Design: From Devices to Systems

[Dmca](#)