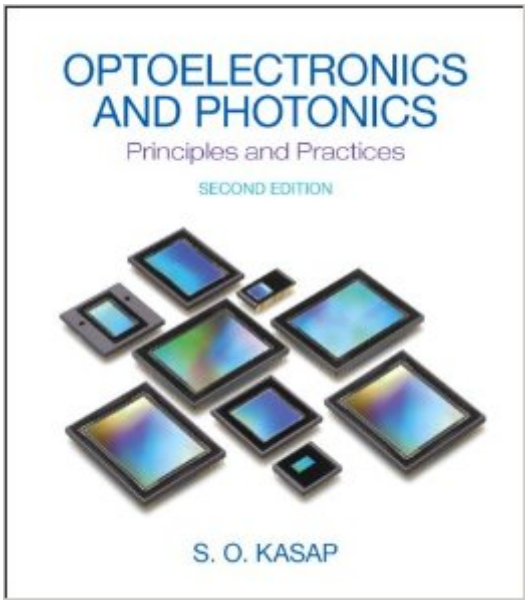
Optoelectronics & Photonics: Principles & Practices (2nd Edition)



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 electo-optic devices and associated materials.

Book Information

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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.

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