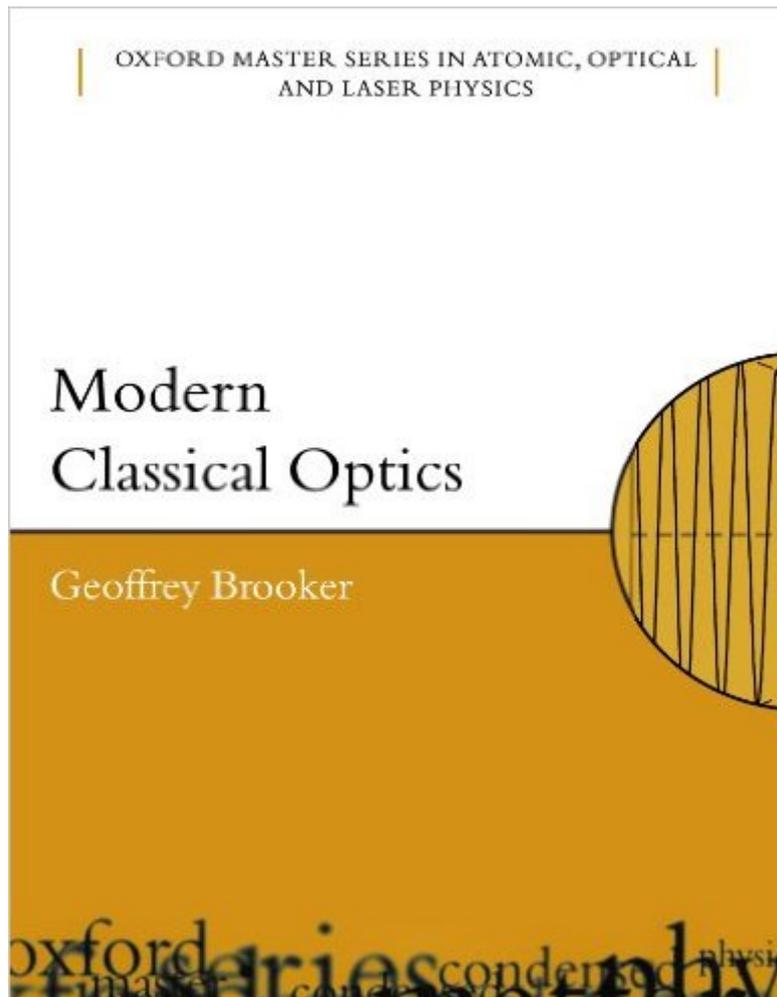


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Modern Classical Optics (Oxford Master Series In Atomic, Optical And Laser Physics)



Synopsis

Praised as 'one of the best new optics books seen for some time', this book will provide a unique presentation of classical optics from the modern perspective. Written for advanced undergraduate students, the text stands out by its readability and stimulating discussions, close ties to experimental physics, and excellent choice of worked problem sets.

Book Information

Series: Oxford Master Series in Atomic, Optical and Laser Physics (Book 8)

Paperback: 326 pages

Publisher: Oxford University Press (October 9, 2003)

Language: English

ISBN-10: 019859965X

ISBN-13: 978-0198599654

Product Dimensions: 9.6 x 1 x 7.4 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars [See all reviews](#) (2 customer reviews)

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Customer Reviews

Born and Wolf is a classic, but tough sledding at times. If it is a common topic in optics, you probably will prefer reading about it here instead. This book has a nice conversational tone, gives insight, and is reasonably detailed (but not exhaustive). It includes a lot of practical advice in small-type paragraphs in margins throughout the book (for example, the chapter on thin films notes that the refractive index can often vary with deposition method, etc.).

To follow up on the other reviewer's remark about the conversational tone of this book - Yes. This is aided by the author's extensive use of sidenotes. Something that has largely fallen out of fashion in recent decades. The copious white space at the edges of the pages is put to good use. In smaller print, the author makes informal asides about the main narrative that at times enhances the understanding of the reader. A good pedagogy that does not detract from your overall reading. But one that you might want to take advantage of. Though having said that, if you are majoring in optics, you should still get a copy of Born and Wolf, Principles of Optics: Electromagnetic Theory of

Propagation, Interference and Diffraction of Light, or Hecht and Zajac, Optics (4th Edition), for a more extensive and definitive text.

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