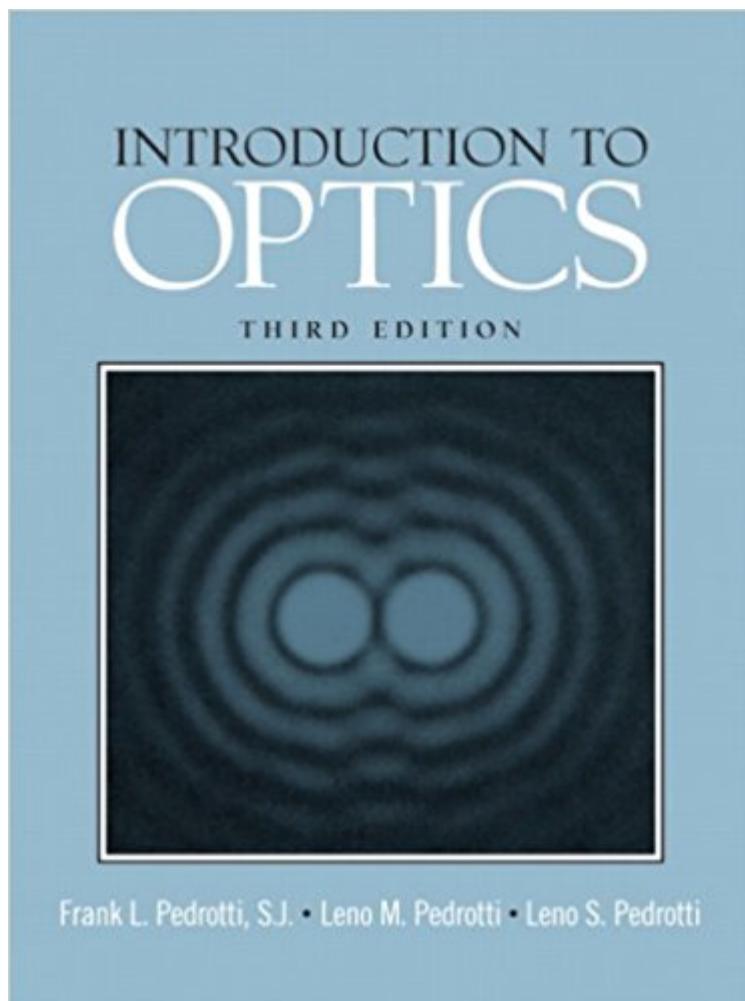


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# Introduction To Optics (3rd Edition)



Frank L. Pedrotti, S.J. • Leno M. Pedrotti • Leno S. Pedrotti



## **Synopsis**

Comprehensive and fully updated, this reader-friendly introduction to optics provides clear, concise derivations and explanations of optical phenomena, avoiding extraneous material. Updates material related to laser systems. Updated chapters on Optical Interferometry, Fiber Optics, and Holography. Introduces a broad range of new applications throughout, including liquid crystal displays, CCD's, CD and DVD Technology. Features a more intensive exploration of communication systems than in previous editions. Provides approximately 50 new problems and 50 new or revised figures. A general reference for optical industry practitioners.

## **Book Information**

Paperback: 656 pages

Publisher: Pearson; 3 edition (April 17, 2006)

Language: English

ISBN-10: 0131499335

ISBN-13: 978-0131499331

Product Dimensions: 8.4 x 1.4 x 10.9 inches

Shipping Weight: 3.5 pounds

Average Customer Review: 3.3 out of 5 stars 27 customer reviews

Best Sellers Rank: #59,879 in Books (See Top 100 in Books) #7 in Books > Science & Math > Physics > Optics #252 in Books > Textbooks > Science & Mathematics > Physics #1975 in Books > Engineering & Transportation > Engineering

## **Customer Reviews**

Comprehensive and fully updated, this reader-friendly introduction to optics provides clear, concise derivations and explanations of optical phenomena, avoiding extraneous material. Updates material related to laser systems. Updated chapters on Optical Interferometry, Fiber Optics, and Holography. Introduces a broad range of new applications throughout, including liquid crystal displays, CCD's, CD and DVD Technology. Features a more intensive exploration of communication systems than in previous editions. Provides approximately 50 new problems and 50 new or revised figures. A general reference for optical industry practitioners.

Pedrotti's text is difficult to follow without a very strong background in linear algebra and more upper level math. For me, this text would have been difficult to just read through to be able to understand without having supplemental classwork from a physicist; however, after a concept has been

explained and a proof is shown on a white board/chalk board, the text becomes much more comprehensible and optics because a field of beauty and can open your eyes to the world around you to see more than what you normally pay attention to.

Great optics textbook. Clearly illustrated and explained.

I am enjoying my physical optics course using this text.

Great book, it is more pedagogical than some of the more prolific texts on the subject.

Excellent book!

Where can I even start... The book has extremely verbose explanations that don't help. Diagrams are often at most 5 or 6 pages away, so while reading you will need to reference by switching pages over and over. NO INTUITION.... Just facts and facts. The problems are extremely boring. The plug and chug kind. Often skips relevant or doesn't explain the mathematics of its derivations. By far the worst physics book i have ever used in my life.If i had to recommend another optics book, it would probably by Optics by Hecht. I read the first couple chapters about phasers, and could immediately tell that it was clearer, and gave more intuitive explanations which really helped. There aren't a lot of physics books out there for optics, so you don't really have a choice in the end.Avoid this book at all costs. Waste of money and time, and will make you hate yourself.

Too much wear and tear on the cover page. Doesn't worth the money.

this book is a joke. doesnt explain anything

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