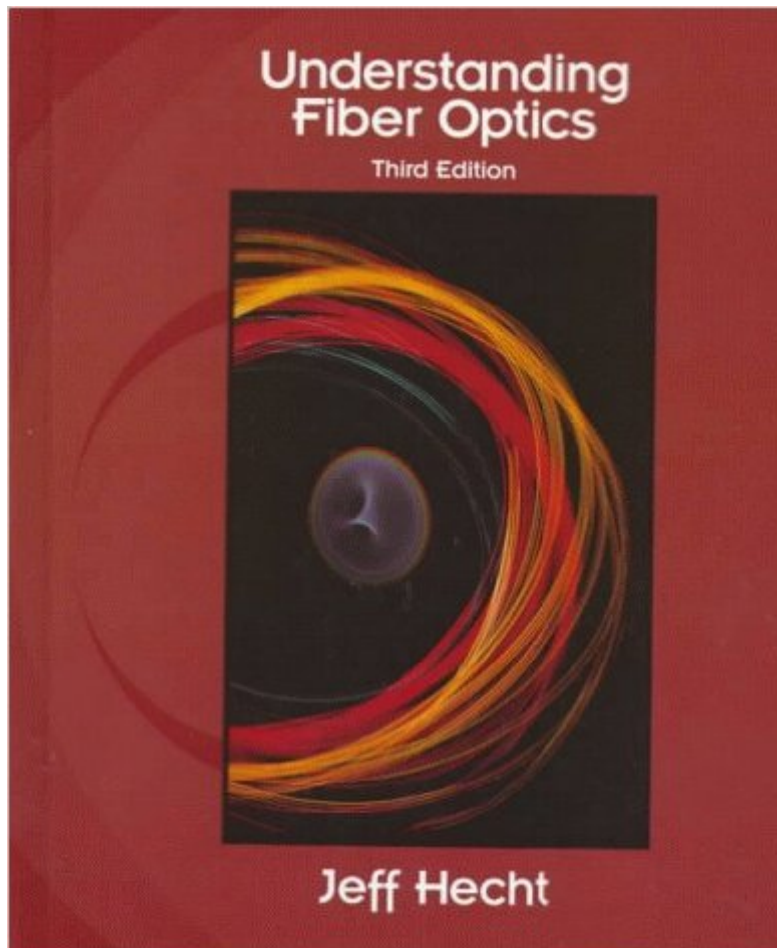


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# Understanding Fiber Optics



## Synopsis

Ideal for technicians, entry-level engineers, and other nonspecialists, this practical, thorough, and accessible introduction to fiber optics reflects the expertise of an author who has followed the field for over 20 years. Using a non-theoretical/mathematical approach, it begins with the technical details of optical fibers, moves through the tools and techniques used to work with them, the devices used to connect fiber network, and concludes with applications showing how fibers are used.

## Book Information

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## Customer Reviews

The fourth edition of this book is a product of many years of practical experience and trials of previous editions. I always wondered if more information than just reader's level as beginner, intermediate and advanced should be printed on the technical books. What you are looking for in a book and level of satisfaction depends on your involvement in that area of expertise. Please stay with me while I try my thinking on this book. If you are already an expert working in Optical Engineering field this book is not a research paper. Probably you need Warren J. Smith's book Modern Optical Engineering. If you are a student learning about Fiber Optics this book has enough information and practice questions to be qualified as a good text book, but may not be enough for your Graduate School research thesis. If you are like me, a practicing Network Engineer or technician, this book provides everything you need to know and more than enough information. It is written in an easy to understand style, and chapters are in a perfect sequence and length. That's why I am rating it 5 Stars.

This is an excellent introduction to the technology of fiber optics for the non-technical person. No previous knowledge is assumed, and equations are kept to a minimum. If you're completely new to the lightwave transport field, this is the first book you should read!

I'll be entering the master's program in electrical engineering at Stanford in the fall in fiber optic communications and I'm so glad that I read this book before hand. This book has to be one of the easiest technical (although nontheoretical/nonmathematical) reads. It helped me understand fundamental concepts without getting bogged down in mathematical derivations. Hecht presents the material in a very easy to understand manner. I highly recommend this book to anyone interested in learning about fiber optics. Now, after having read this book I'm confident to tackle more advanced texts in fiber optic communications.

As someone who works in the financial field that had to get up to speed on fiber optics, I purchased this book, "Introduction to Fiber Optics" by Crisp, and "Fiber Optic Reference Guide" by Goff. This was definitely the most technically oriented of the three, but it did have good detail for the areas where the other two books weren't thorough enough. This text is definitely more for targeted research as a reference book, and not what you should get if you want to sit down and read up on the subject. There were a lot of areas where the added depth provided by this book were helpful, but it certainly has the feel of a book more oriented towards academia and professional engineers.

Understanding fiber optics is a wonderful instrument for those of us who need to know the basics. I enjoyed the non-technical yet fundamental aspects that were covered. If you are interested in Fiber Optics, I highly recommend this book.

hi guys! You really want a juicy piece of the Fiber Optic world? well this is the book you were craving for... This is an outstanding book that guides you through the basic, fundamental and still practical knowledge of Fiber Optics... I highly recommend this book if you are to implement fiber optic systems... this book shows us when, how and why we must implement fiber... nice job Jeff!

This book provides an excellent, up-to-date review of fiber optics, including light sources and a review of the physics of light and fibers. It is a must-read for those who need to understand optics and fibers, a constantly changing environment that Jeff provides a rather complete snapshot of. I

heartily recommend it to readers with a range of skill levels.

GREAT BOOK! Used a lot of the principles in my lectures.

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