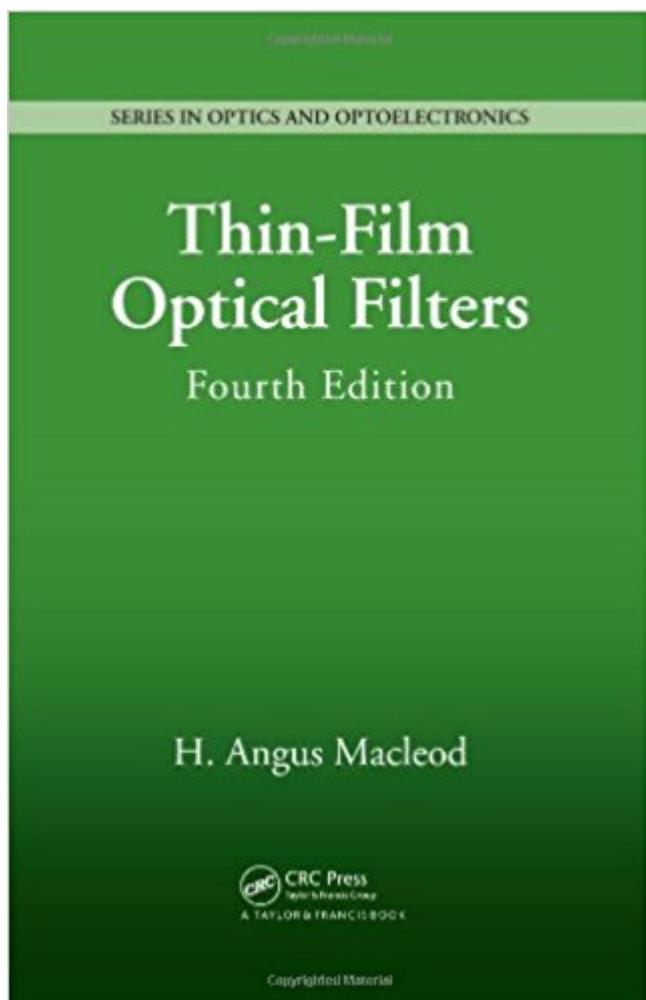


The book was found

# Thin-Film Optical Filters, Fourth Edition (Series In Optics And Optoelectronics)



## Synopsis

Written by a world-renowned authority of optical coatings, *Thin-Film Optical Filters*, Fourth Edition presents an introduction to thin-film optical filters for both manufacturers and users. The preeminent author covers an assortment of design, manufacture, performance, and application topics. He also includes enough of the basic mathematics of optical thin films to enable readers to carry out thin-film calculations. This new edition of a bestseller retains most of the descriptions of older design techniques because of their importance in understanding how designs work. However, this edition includes a substantial amount of new material as well. A new chapter on color takes into account the increasing importance of color in optical coatings. In addition, a new section discusses the effects of gain in optical coatings. This comprehensive yet accessible book continues to offer valuable insight into the principles, techniques, and processes of successful coating design. It provides the sound foundation required to make further advances in the field.

## Book Information

Series: Series in Optics and Optoelectronics

Hardcover: 800 pages

Publisher: CRC Press; 4 edition (March 16, 2010)

Language: English

ISBN-10: 1420073028

ISBN-13: 978-1420073027

Product Dimensions: 1.5 x 6.5 x 9.8 inches

Shipping Weight: 2.9 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 4 customer reviews

Best Sellers Rank: #908,603 in Books (See Top 100 in Books) #27 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Fiber Optics #145 in Books > Science & Math > Physics > Light #336 in Books > Science & Math > Physics > Optics

## Customer Reviews

The book by Angus Macleod is the fourth edition of the famous textbook written by a world-renowned authority in the field of optical coating. This new edition retains most of the descriptions of older design techniques but also includes a substantial amount of new material. The book is an excellent treatise of thin film coatings, explaining how to produce all sorts of different filters selected according to the function they are required to play. The book is an indispensable text for every filter manufacturer and user and is an excellent guide for

students.Ã¢â€¢ Mario Bertolotti, Contemporary Physics, April 2012 Praise for the Third Edition:Ã¢â€¢ Ã¢â€| essential reading for all those involved in the design, manufacture, and application of optical coatings.Ã¢â€¢ Ã¢â€| a valuable addition to many bookshelves.Ã¢â€¢ â€¢ Materials World, September 2001 Ã¢â€¢ Ã¢â€| continues to be a very practical guide.Ã¢â€¢ â€¢ ASLIB Book Guide The third edition is no less rich and includes expanded references and information on many advances in design and technology since the second edition was published in 1986 Ã¢â€¢ Ã¢â€| a must-have addition to the library of any optical thin-film theorist or practitioner. It provides extensive methods to use in achieving desired optical performance for a broad range of coating types and extensive references for one to use in delving deeper into these topics.Ã¢â€¢ â€¢ Dale E. Morton, Denton Vacuum, LLC, SVC News It is obvious from the details of his career that Angus knows more about optical coatings, both in terms of design and of fabrication, than most of us put together. It is therefore quite expected that I feel free to state that, in my opinion, this book is a necessity, rather on par with having the use of a coating facility, a good coating program, and a fast computer, for anybody in the field of thin-film optical coatings and filters. Therefore, if you are new in this field, your first priority should be to make sure that you have the undivided use of a copy of this book.Ã¢â€¢ Ã¢â€| All in all, the book is a good statement of the state of the art of thin-film deposition theory and practice at the turn of the millennium.Ã¢â€¢ â€¢ Roger M. Wood, Elsevier

H. Angus Macleod is President of the Thin Film Center Inc. in Tucson, Arizona, and Professor Emeritus of Optical Sciences at the University of Arizona.

This is a good book that contains the relevant materials of thin film filters and dielectric mirrors. This book also contains design examples of filters and thin film deposition methods. it very good text book as well as reference book for those who intend to work in this field.

If coatings are your thing, it is very likely that you already own this book. It is pretty much the definitive reference on all things coating. While it is certainly a bit math-y at times, it is still very readable.

I work in a factory located in Brazil, and our business is the manufacturing of optical precision products. This book has been a great help and good evolution in the sense of helping us to develop new techniques to produce our material.

This book has got it all--practical, insightful, and well-organized. Sadly, it has got just slightly too much of it all, I found it long-winded at times. That being said, still an very good book if you are interested in such effervescent matters as light and how man attempts to control it.

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

Thin-Film Optical Filters, Fourth Edition (Series in Optics and Optoelectronics) Thin-Film Optical Filters, Third Edition (Series in Optics and Optoelectronics) Optical Thin Films: User's Handbook (Macmillan Series in Optical and Electro-Optical Engineering) Handbook of Optics, Third Edition Volume V: Atmospheric Optics, Modulators, Fiber Optics, X-Ray and Neutron Optics Handbook of Optics, Third Edition Volume IV: Optical Properties of Materials, Nonlinear Optics, Quantum Optics (set) Prism and Lens Making, Second Edition: A Textbook for Optical Glassworkers (Series in Optics and Optoelectronics) Molded Optics: Design and Manufacture (Series in Optics and Optoelectronics) Optical Applications of Liquid Crystals (Series in Optics and Optoelectronics) Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics and Lasers Polarized Light and the Mueller Matrix Approach (Series in Optics and Optoelectronics) Handbook of Silicon Photonics (Series in Optics and Optoelectronics) KDP - Family Single Crystals (Series in Optics and Optoelectronics) Optical Fiber Communication Systems (Artech House Optoelectronics Library) The Thin Book of Appreciative Inquiry (3rd Edition) (Thin Book Series) Eat Fat, Get Thin Fast!: Eat Fat and Get Thin with the best healthy high fat recipes; Complete pictures, nutrition facts, and serving sizes for every single recipe! Fundamentals of Optical Waveguides, Second Edition (Optics and Photonics Series) ACI 318.2-14: Building Code Requirements for Concrete Thin Shells (ACI 318.2-14) and Commentary on Building Code Requirements for Concrete Thin Shells (ACI 318.2R-14) Summary - Eat Fat Get Thin: By Mark Hyman - Why the Fat We Eat Is the Key to Sustained Weight Loss... (Eat Fat, Get Thin: A Complete Summary - Book, Paperback, Audiobook, Audible, Hardcover,) Quantum Entanglement in Electron Optics: Generation, Characterization, and Applications (Springer Series on Atomic, Optical, and Plasma Physics) Handbook of Organic Materials for Optical and (Opto)Electronic Devices: Properties and Applications (Woodhead Publishing Series in Electronic and Optical Materials)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)