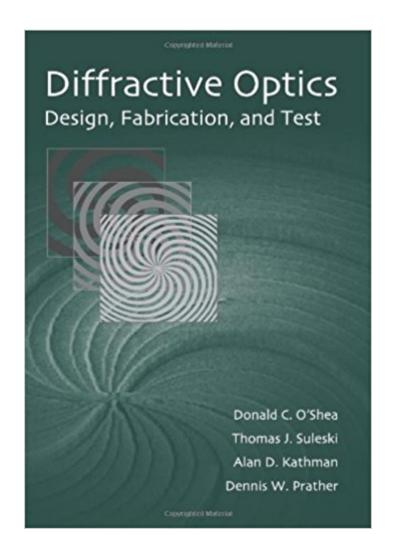


# The book was found

# Diffractive Optics: Design, Fabrication, And Test (SPIE Tutorial Texts In Optical Engineering Vol. TT62)





# Synopsis

This book provides the reader with the broad range of materials that were discussed in a series of short courses presented at Georgia Tech on the design, fabrication, and testing of diffractive optical elements (DOEs). Although there are not long derivations or detailed methods for specific engineering calculations, the reader should be familiar and comfortable with basic computational techniques. This text is not a "cookbook" for producing DOEs, but it should provide readers with sufficient information to assess whether this technology would benefit their work, and to understand the requirements for using the concepts and techniques presented by the authors. Contents -Preface - Introduction - Scalar Diffraction Theory - Electromagnetic Analysis of Diffractive Optical Elements - Diffractive Lens Design - Design of Diffraction Gratings - Making a DOE -Photolithographic Fabrication of Diffractive Optical Elements - Survey of Fabrication Techniques for Diffractive Optical Elements - Testing Diffractive Optical Elements - Application of Diffractive Optics

to Lens Design - Additional Applications of Diffractive Optical Elements - Index

## Book Information

Series: Spie Press Monograph

Paperback: 260 pages

Publisher: SPIE Publications (December 29, 2003)

Language: English

ISBN-10: 0819451711

ISBN-13: 978-0819451712

Product Dimensions: 0.8 x 7.2 x 10 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #675,269 in Books (See Top 100 in Books) #39 in A A Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Optoelectronics #134 inà Books > Textbooks > Engineering > Electrical & Electronic Engineering #236 inà Â Books >

Science & Math > Physics > Optics

## Customer Reviews

This is an excellent book for anyone interested in designing and manufacturing diffractive optics.

Download to continue reading...

Diffractive Optics: Design, Fabrication, and Test (SPIE Tutorial Texts in Optical Engineering Vol.

TT62) Optical Design for Visual Systems (SPIE Tutorial Texts in Optical Engineering Vol. TT45) Image Formation in Low-Voltage Scanning Electron Microscopy (SPIE Tutorial Text Vol. TT12) (Tutorial Texts in Optical Engineering) Introduction to Adaptive Optics (SPIE Tutorial Texts in Optical Engineering Vol. TT41) Resolution Enhancement Techniques in Optical Lithography (SPIE Tutorial Texts in Optical Engineering Vol. TT47) 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) Optical Thin Films: User's Handbook (Macmillan Series in Optical and Electro-Optical Engineering) Photonics Rules of Thumb: Optics, Electro-Optics, Fiber Optics and Lasers Field Guide to Visual and Ophthalmic Optics (SPIE Vol. FG04) Optics Made Clear: The Nature of Light And How We Use It (SPIE Press Monograph Vol. PM163) Field Guide to Geometrical Optics (SPIE Vol. FG01) Handbook of Optics, Third Edition Volume II: Design, Fabrication and Testing, Sources and Detectors, Radiometry and Photometry (Electronics) Learn to Weld: Beginning MIG Welding and Metal Fabrication Basics - Includes techniques you can use for home and automotive repair, metal fabrication projects, sculpture, and more Silica Optical Fiber Technology for Devices and Components: Design, Fabrication, and International Standards Optics and Lasers: Including Fibers and Optical Waveguides (Advanced Texts in Physics) Handbook of Optical and Laser Scanning, Second Edition (Optical Science and Engineering) Electro-Optical Displays (Optical Science and Engineering) Molded Optics: Design and Manufacture (Series in Optics and Optoelectronics) Books of Breathing and Related Texts -Late Egyptian Religious Texts in the British Museum Vol.1 (Catalogue of the Books of the Dead and Other Religious Texts in the British Museum)

Contact Us

**DMCA** 

Privacy

FAQ & Help