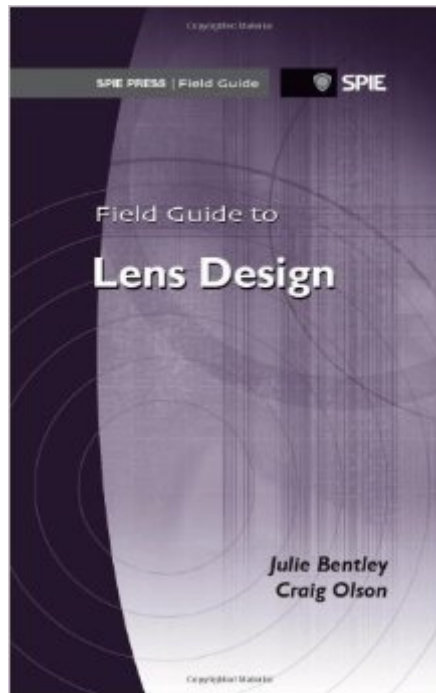


The book was found

Field Guide To Lens Design (SPIE Press Field Guide FG27) (Field Guides)



Synopsis

The process of designing lenses is both an art and a science. While advancements in the field over the past two centuries have done much to transform it from the former category to the latter, much of the lens design process remains encapsulated in the experience and knowledge of industry veterans. This SPIE Field Guide provides a working reference for practicing physicists, engineers, and scientists for deciphering the nuances of basic lens design. The book begins with an outline of the general process before delving into aberrations, basic lens design forms, and optimization. An entire section is devoted to techniques for improving lens performance. Sections on tolerancing, stray light, and optical systems are followed by an appendix covering related topics such as optical materials, nonimaging concepts, designing for sampled imaging, and ray tracing fundamentals.

Book Information

Series: Field Guides

Spiral-bound: 156 pages

Publisher: SPIE Press; Spi edition (December 7, 2012)

Language: English

ISBN-10: 0819491640

ISBN-13: 978-0819491640

Product Dimensions: 0.5 x 5.2 x 7.8 inches

Shipping Weight: 6.4 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (1 customer review)

Best Sellers Rank: #256,715 in Books (See Top 100 in Books) #81 in [Books > Science & Math > Physics > Optics](#) #8218 in [Books > Textbooks > Science & Mathematics](#) #8759 in [Books > Engineering & Transportation > Engineering](#)

Customer Reviews

Helped me get it better than anything ever studied!Very worthwhile for those needing to understand the basics of lenses.

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

Field Guide to Lens Design (SPIE Press Field Guide FG27) (Field Guides) Color Vision and Colorimetry: Theory and Applications (SPIE Press Monograph Vol. PM204) Principles of Lithography, Second Edition (SPIE Press Monograph Vol. PM146) Resolution Enhancement Techniques in Optical Lithography (SPIE Tutorial Texts in Optical Engineering Vol. TT47)

Wildflowers of New England: Timber Press Field Guide (A Timber Press Field Guide) Mushrooms of the Pacific Northwest: Timber Press Field Guide (A Timber Press Field Guide) Mushrooms of the Rocky Mountain Region: Timber Press Field Guide (A Timber Press Field Guide) Tracker's Field Guide: A Comprehensive Manual For Animal Tracking (Falcon Guides: Field Guides) Timber Press Pocket Guide to Palms (Timber Press Pocket Guides) Clinical Optics and Refraction: A Guide for Optometrists, Contact Lens Opticians and Dispensing Opticians, 1e Contact Lens: Fitting Guide Tony Northrup's Photography Buying Guide: How to Choose a Camera, Lens, Tripod, Flash, & More (Tony Northrup's Photography Books) (Volume 2) Tony Northrup's Photography Buying Guide: How to Choose a Camera, Lens, Tripod, Flash, & More (Tony Northrup's Photography Books Book 2) Client Teaching Guides For Home Health Care (Gorman, Client Teaching Guides for Home Health Guides) Beyond Point-and-Shoot: Learning to Use a Digital SLR or Interchangeable-Lens Camera Lights. Camera. Lupus. A Life of Entertainment Through the Purple Lens. Gender and the Social Construction of Illness (Gender Lens) Lens of War: Exploring Iconic Photographs of the Civil War (UnCivil Wars Ser.) Essentials of Ophthalmic Lens Finishing, 2e Essentials for Ophthalmic Lens Work, 1e

[Dmca](#)