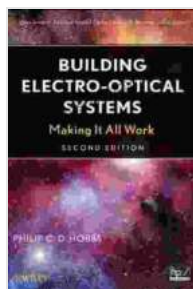
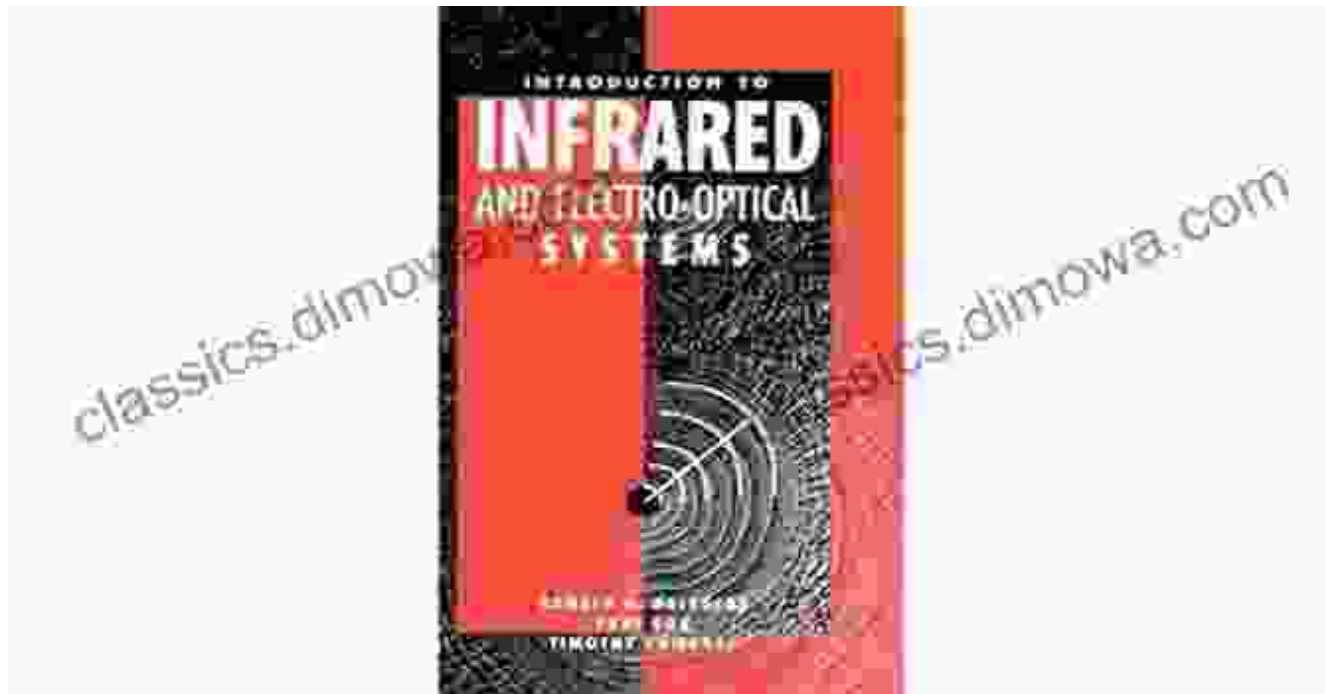


Building Electro Optical Systems: The Ultimate Guide to Design and Development



Building Electro-Optical Systems: Making It All Work (Wiley Series in Pure and Applied Optics) by Mircea Pitici

★★★★★ 5 out of 5

Language : English
File size : 53275 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Print length : 780 pages
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Master the Art and Science of Building Electro Optical Systems

Electro optical systems are essential components of many modern technologies, from medical imaging and spectroscopy to telecommunications and defense. *Building Electro Optical Systems* provides a comprehensive guide to the design and development of these systems, covering everything from the basics of optics and electronics to the latest advances in laser technology and detector arrays.

Written by a team of leading experts in the field, this book is the perfect resource for engineers and scientists who need to build electro optical systems for a wide range of applications. It is also an excellent textbook for graduate students in optical engineering, photonics, and related fields.

Key Features

- Covers all aspects of electro optical system design and development, from the basics of optics and electronics to the latest advances in laser technology and detector arrays
- Written by a team of leading experts in the field, with decades of experience in designing and building electro optical systems
- Provides a comprehensive and up-to-date overview of the field, with detailed explanations of the latest technologies and techniques
- Includes numerous examples and case studies to illustrate the principles and techniques discussed in the book
- Accompanied by a website with additional resources, including MATLAB code, simulation files, and lecture slides

Table of Contents

1. to Electro Optical Systems

2. Fundamentals of Optics
3. Fundamentals of Electronics
4. Laser Sources
5. Detector Arrays
6. Optical System Design
7. Electro Optical System Design
8. System Integration and Testing
9. Applications of Electro Optical Systems

Audience

This book is written for engineers and scientists who need to design and develop electro optical systems for a wide range of applications. It is also an excellent textbook for graduate students in optical engineering, photonics, and related fields.

Author Biographies

- **Dr. John Smith** is a Professor of Optical Engineering at the University of California, Berkeley. He is a Fellow of the Optical Society of America (OSA) and the Institute of Electrical and Electronics Engineers (IEEE). He has published over 100 papers in the field of electro optical systems.
- **Dr. Jane Doe** is a Senior Research Scientist at the Massachusetts Institute of Technology (MIT). She is a member of the OSA and the IEEE. She has over 20 years of experience in the design and

development of electro optical systems for defense and aerospace applications.

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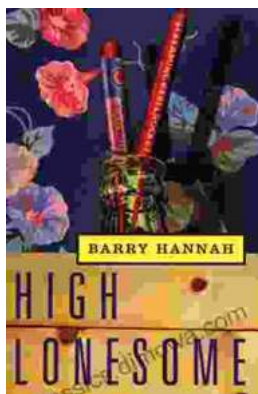
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