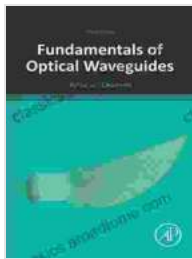


Fundamentals of Optical Waveguides: A Comprehensive Guide for Students and Researchers

Author: Katsunari Okamoto



Fundamentals of Optical Waveguides by Katsunari Okamoto

★★★★★ 5 out of 5

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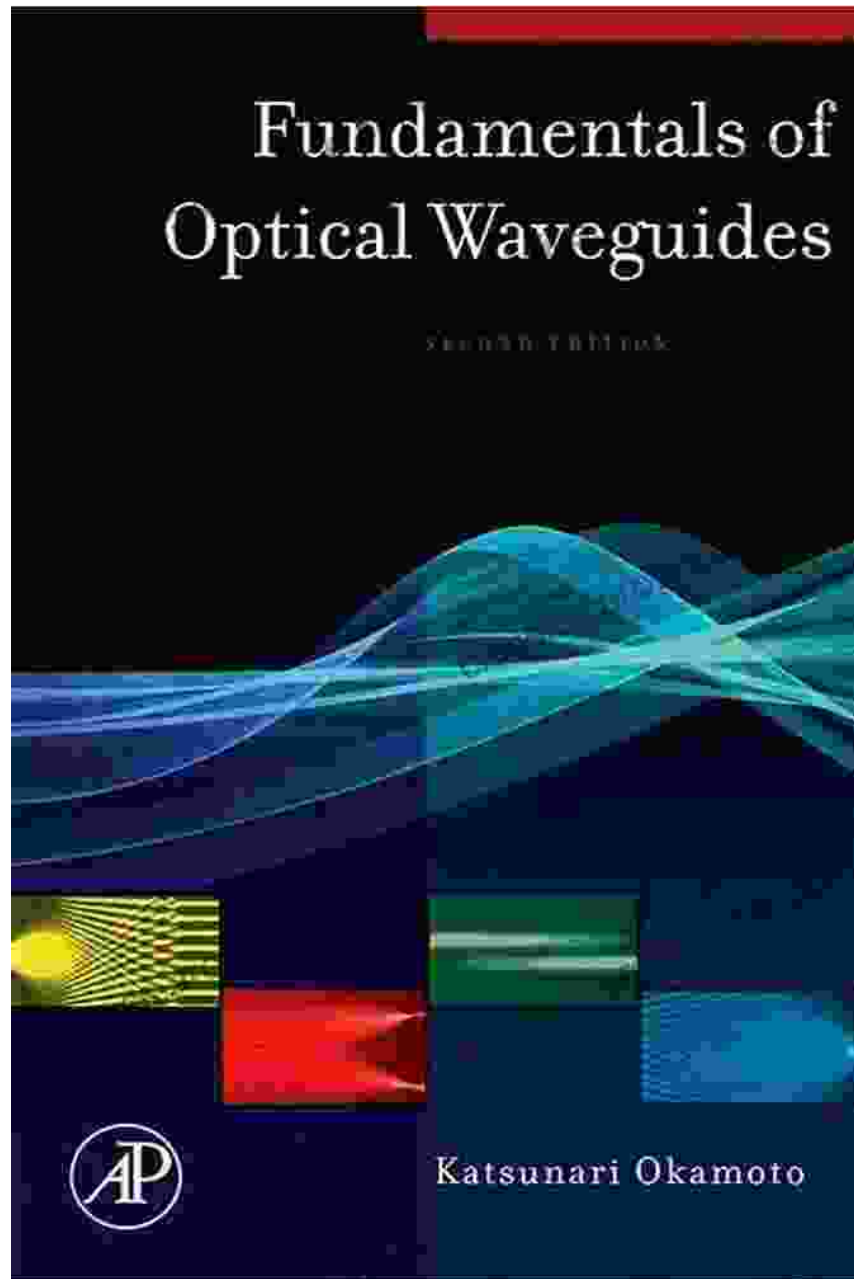
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Book Description

This comprehensive book introduces the fundamentals of optical waveguides and their applications in various areas of photonics. The author covers topics such as waveguide theory, fabrication techniques, and

characterization methods and provides a thorough understanding of the waveguide's behavior and applications.

The book is divided into three parts. The first part introduces the basic concepts of waveguide theory, including wave propagation in guiding structures, mode analysis, and dispersion. The second part covers the fabrication techniques of optical waveguides, including thin-film deposition, lithography, and etching. The third part discusses the characterization methods of optical waveguides, including near-field and far-field measurements, and waveguide loss and dispersion measurements.

This book is an excellent resource for students, researchers, and professionals working in the field of optics and photonics. It provides a comprehensive overview of the fundamentals of optical waveguides and their applications in various areas of photonics.

Table of Contents

1.

2. Wave Propagation in Guiding Structures

-
- Wave Propagation in Dielectric Waveguides
- Wave Propagation in Metallic Waveguides
- Wave Propagation in Photonic Crystal Waveguides
- Wave Propagation in Metamaterial Waveguides

3. Mode Analysis

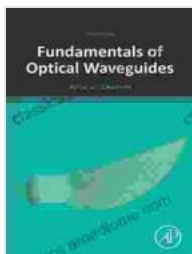
-
- Mode Analysis of Dielectric Waveguides
- Mode Analysis of Metallic Waveguides
- Mode Analysis of Photonic Crystal Waveguides
- Mode Analysis of Metamaterial Waveguides

4. Dispersion

-
- Dispersion in Dielectric Waveguides
- Dispersion in Metallic Waveguides
- Dispersion in Photonic Crystal Waveguides
- Dispersion in Metamaterial Waveguides

5. Fabrication Techniques of Optical Waveguides

-
- Thin-Film Deposition
- Lithography
- Et



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