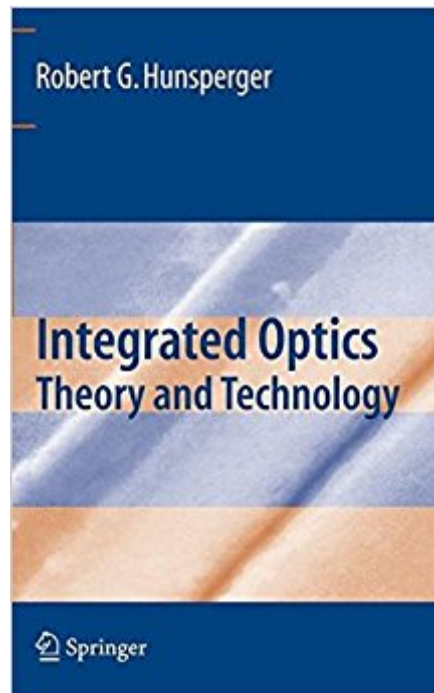




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Integrated Optics: Theory And Technology



Synopsis

Integrated Optics explains the subject of optoelectronic devices and their use in integrated optics and fiber optic systems. The approach taken is to emphasize the physics of how devices work and how they can be (and have been) used in various applications as the field of optoelectronics has progressed from microphotonics to nanophotonics. Illustrations and references from technical journals have been used to demonstrate the relevance of the theory to currently important topics in industry. By reading this book, scientists, engineers, students and engineering managers can obtain an overall view of the theory and the most recent technology in Integrated Optics.

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From the reviews of the fifth edition: "This book is a success. Already the fifth edition is now edited including four new chapters...By reading this book, scientists, engineers, students, and engineering managers can obtain an overall view of the theory and the most recent technology in integrated optics." --Optik OPN Praise for Hunsperger's, Intergrated Optics "The text is comprehensive enough for an introductory course in integrated optics, yet concise enough to be easily readable by the practicing engineer. Well-organized, with references and an index, the book is suitable for use as a classroom text or a specialist's reference." "This book is a success. The book is an outgrowth of a graduate level, single-semester course in integrated optics. Illustrations and references from technical journals have been used to demonstrate the relevance of the theory to currently important topics in industry. By reading this book, scientists, engineers, students, and

engineering managers can obtain an overall view of the theory and the most recent technology in integrated optics. This book should not be missed in any libraries and laboratories dealing with modern optics." (K. Kraemer, Optik, Vol. 114 (2), 2003)

Integrated Optics: Theory and Technology explains the subject of optoelectronic devices and their use in integrated optics and fiber optic systems. The text emphasizes the physics of how devices work and how they can be used in various applications. Mathematical derivations and the development of design equations are provided where necessary to explain phenomena and engineering principles, but a strong effort has been made to avoid obscuring important concepts with mathematical details. Illustrations and references from technical journals have been used to demonstrate the relevance of the theory to currently important topics in industry. This sixth edition of Integrated Optics: Theory and Technology includes updates and revisions in all chapters, as well as a completely new chapter on nanophotonics. Problems are included at the end of each chapter to develop students' knowledge. Scientists, engineers, students and engineering managers can utilize this book to obtain an overall view of the theory and the most recent technology in integrated optics.

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