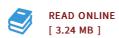




Semiconductor Integrated Optics for Switching Light (Paperback)

By Charlie Ironside

Morgan Claypool Publishers, United States, 2017. Paperback. Condition: New. Language: English. Brand New Book ****** Print on Demand ******. This book covers the technology of switching or modulating light in semiconductor optical waveguides. Currently a key function for optical communications systems is the conversion of data from an electrical signal to an optical signal for transmission in very low loss optical fibres and the converse process of optical to electrical conversion the O/E/O data conversion. This conversion between electronic and photonic signals imposes an energy consumption overhead on optical communication systems. So many research workers have been attracted to ultrafast all-optical switching of data in different formats. As a way of introduction to all-optical switching in semiconductor waveguides the book covers the electro-optic effect, electroabsorption and electrorefraction; effects that can be used in semiconductor optical modulation devices. But the book focuses on all-optical switching using second and third order optical nonlinearities in AlGaAs optical waveguides. It covers a variety of device configurations including integrated nonlinear couplers and Mach-Zehnder interferometers. Further, it provides design software in suit of Mathematica notebooks that can be used to explore the device design.



Reviews

If you need to adding benefit, a must buy book. It really is writter in straightforward words and phrases and not confusing. You will not feel monotony at anytime of your respective time (that's what catalogues are for concerning if you ask me).

-- Dr. Celestino Treutel

This is an incredible ebook which i actually have ever go through. This can be for those who statte that there had not been a really worth reading. I am just quickly can get a delight of reading a published book.

-- Ms. Colleen Ziemann V

You May Also Like



Shadows Bright as Glass: The Remarkable Story of One Man's Journey from Brain Trauma to Artistic Triumph Free Press. Hardcover. Book Condition: New. 1439143102 SHIPS WITHIN 24 HOURS!! (SAME BUSINESS DAY) GREAT BOOK!!.



Now and Then: From Coney Island to Here

Alfred A. Knopf. Hardcover. Book Condition: New. 0375400621 Never Read-12+ year old Hardcover book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE tracking!!...



Hitler's Exiles: Personal Stories of the Flight from Nazi Germany to America

New Press. Hardcover. Book Condition: New. 1565843940 Never Read-12+ year old Hardcover book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE tracking!! *...



The Thinking Moms' Revolution: Autism Beyond the Spectrum: Inspiring True Stories from Parents Fighting to Rescue Their Children

Skyhorse Publishing. Paperback. Book Condition: new. BRAND NEW, The Thinking Moms' Revolution: Autism Beyond the Spectrum: Inspiring True Stories from Parents Fighting to Rescue Their Children, Helen Conroy, Lisa Joyce Goes, Robert W. Sears, "The most amazing, inspiring, ball busting, loving bloggers...



The Thinking Moms Revolution: Autism Beyond the Spectrum: Inspiring True Stories from Parents Fighting to Rescue Their Children (Hardback)

Skyhorse Publishing, United States, 2013. Hardback. Book Condition: New. 231 x 157 mm. Language: English. Brand New Book. The Thinking Moms Revolution (TMR) is a group of twentythree moms (and one awesome dad) from Montana to Malaysia who all have children...



The Pauper & the Banker/Be Good to Your Enemies

Discovery Publishing Pvt.Ltd. Paperback. Book Condition: new. BRAND NEW, The Pauper & the Banker/Be Good to Your Enemies, Discovery Kidz, This book is part of the Aesops Fables (Fun with 2 Stories) Series, titles in this series include: The Ant & The...