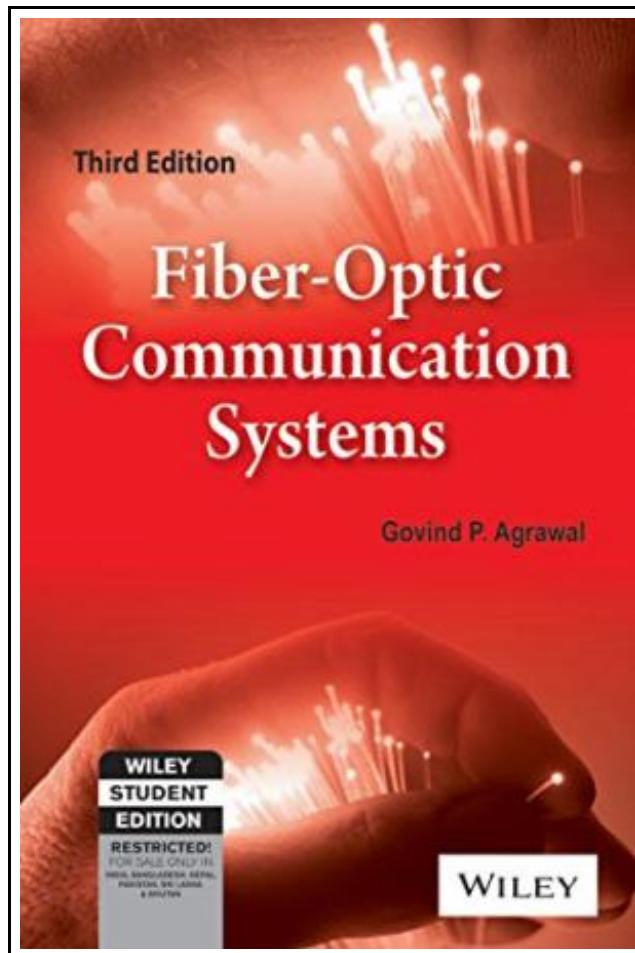


Fiber-Optic Communication Systems (Third Edition)



Filesize: 5.5 MB

Reviews

Very useful for all group of people. It is amongst the most incredible pdf i actually have read through. Its been written in an extremely straightforward way and it is just right after i finished reading through this pdf by which basically modified me, change the way i think.

(Felicia Nikolaus)

FIBER-OPTIC COMMUNICATION SYSTEMS (THIRD EDITION)

[DOWNLOAD](#)

Wiley India Pvt. Ltd., 2014. Softcover. Book Condition: New. 5th or later edition. 15 x 23 cm. This book is intended to fulfill the requirements of a graduate-level textbook in the field of optical communications. An attempt is made to include as much recent material as possible so that students are exposed to the recent advances in this exciting field. The book can also serve as a reference text for researchers already engaged in or wishing to enter the field of optical fiber communications. The reference list at the end of each chapter is more elaborate than what is common for a typical textbook. The listing of recent research papers should be useful for researchers using this book as a reference. At the same time, students can benefit from it if they are assigned problems requiring reading of original research papers. A set of problems is included at the end of each chapter to help both teacher and student. Contents:- Preface. 1. Introduction. 1.1 Historical Perspective. 1.2 Basic Concepts. 1.3 Optical Communication Systems. 1.4 Lightwave System Components. 2. Optical Fibers. 2.1 Geometrical-Optics Description. 2.2 Wave Propagation. 2.3 Dispersion in Single-Mode Fibers. 2.4 Dispersion-Induced Limitations. 2.5 Fiber Losses. 2.6 Nonlinear Optical Effects. 2.7 Fiber Manufacturing. 3. Optical Transmitters. 3.1 Basic Concepts. 3.2 Light-Emitting Diodes. 3.3 Semiconductor Lasers. 3.4 Control of Longitudinal Models. 3.5 Laser Characteristics. 3.6 Transmitter Design. 4. Optical Receivers. 4.1 Basic Concepts. 4.2 Common Photodetectors. 4.3 Receiver Design. 4.4 Receiver Noise. 4.5 Receiver Sensitivity. 4.6 Sensitivity Degradation. 4.7 Receiver Performance. 5. Lightwave Systems. 5.1 System Architectures. 5.2 Design Guidelines. 5.3 Long-Haul Systems. 5.4 Sources of Power Penalty. 5.5 Computer-Aided Design. 6. Optical Amplifiers. 6.1 Basic Concepts. 6.2 Semiconductor Optical Amplifiers. 6.3 Raman Amplifiers. 6.4 Erbium-Doped Fiber Amplifiers. 6.5 System Applications. 7. Dispersion Management. 7.1 Need for Dispersion Management. 7.2...

[Read Fiber-Optic Communication Systems \(Third Edition\) Online](#)[Download PDF Fiber-Optic Communication Systems \(Third Edition\)](#)

Related Kindle Books

**Read Write Inc. Phonics: Blue Set 6 Storybook 2 the Poor Goose (Paperback)**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 148 x 121 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read...

[Read Book »](#)**Read Write Inc. Phonics: Blue Set 6 Storybook 5 Our House (Paperback)**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 208 x 99 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read...

[Read Book »](#)**Read Write Inc. Phonics: Orange Set 4 Storybook 2 I Think I Want to be a Bee (Paperback)**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 209 x 149 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read...

[Read Book »](#)**Read Write Inc. Phonics: Yellow Set 5 Storybook 7 Do We Have to Keep it? (Paperback)**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 211 x 101 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read...

[Read Book »](#)**Comic Maths: Sue: Fantasy-Based Learning for 4, 5 and 6 Year Olds (Paperback)**

The Captain Papadopoulos Publishing Company, United Kingdom, 2012. Paperback. Book Condition: New. Brian Williamson (illustrator). 276 x 214 mm. Language: English . Brand New Book ***** Print on Demand *****. Comic Maths: Sue (Key Stage 1,...

[Read Book »](#)