



Optical Fiber Communication Systems with MATLAB (R) and Simulink (R) Models (Hardback)

By Le Nguyen Binh

Apple Academic Press Inc., Canada, 2014. Hardback. Condition: New. 2nd New edition. Language: English. Brand new Book. Carefully structured to instill practical knowledge of fundamental issues, Optical Fiber Communication Systems with MATLAB (R) and Simulink (R) Models describes the modeling of optically amplified fiber communications systems using MATLAB (R) and Simulink (R). This lecture-based book focuses on concepts and interpretation, mathematical procedures, and engineering applications, shedding light on device behavior and dynamics through computer modeling. Supplying a deeper understanding of the current and future state of optical systems and networks, this Second Edition: Reflects the latest developments in optical fiber communications technology. Includes new and updated case studies, examples, end-of-chapter problems, and MATLAB (R) and Simulink (R) models. Emphasizes DSP-based coherent reception techniques essential to advancement in short- and long-term optical transmission networks. Optical Fiber Communication Systems with MATLAB (R) and Simulink (R) Models, Second Edition is intended for use in university and professional training courses in the specialized field of optical communications. This text should also appeal to students of engineering and science who have already taken courses in electromagnetic theory, signal processing, and digital communications, as well as to optical engineers, designers, and practitioners in industry.



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