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Title **Optical fiber communications**

Edition 4th ed.

Author(s) [Keiser, Gerd](#)

Publication Boston, MA : McGraw-Hill, 2008. - 578 p.

Note International edition

Subject code [621.372](#)

Subject category Engineering

Abstract The fourth edition of this popular text and reference book presents the fundamental principles for understanding and applying optical fiber technology to sophisticated modern telecommunication systems. Optical-fiber-based telecommunication networks have become a major information-transmission-system, with high capacity links encircling the globe in both terrestrial and undersea installations. Numerous passive and active optical devices within these links perform complex transmission and networking functions in the optical domain, such as signal amplification, restoration, routing, and switching. Along with the need to understand the functions of these devices comes the necessity to measure both component and network performance, and to model and stimulate the complex behavior of reliable high-capacity networks.

ISBN 9780071088084 (This book at [Amazon](#)) (print version, paperback)  
0071088083 (This book at [Amazon](#)) (print version, paperback)

Other editions [2nd ed. \(1991\)](#)

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