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## Multiwavelength Optical Networks

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Along with the explosive growth of network traffic, multiwavelength optical networks are believed to be the backbone technology that will support the ever-increasing bandwidth demands and will be the backbone for the next generation of the Internet.

*Multiwavelength Optical Networks* systematically studies the major research issues in WDM (Wave Multiplexing) optical networks, such as routing and wavelength assignment, QoS multicast routing, logical topologies, and placement of wavelength converters. The book consists of two parts. The first part discusses the fundamental concepts and principles of WDM networks. The second part discusses advanced issues of WDM networks.

The authors of the book have many years of working experience in the areas of computer networks and network optimization. The book discusses many difficult issues of WDM networks in a very comprehensive way. In the first part, there is a background discussion, and then the mathematical formulation, followed by the *Audience:* Research scientists, industrial practitioners, advanced graduate and post-graduate students.

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