

Optical Electronics In Modern Communications Sixth Edition

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Optical Electronics in Modern Communications by Amnon Yariv

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Electronics in Modern Communications introduces students to the first principles of phenomena and devices important in the practice of laser physics, and applications based on lasers with emphasis placed on optical fiber communications.

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This Solution Manual is intended to accompany Optical Electronics in Modern Communication, 5th Edition by Amnon Yariv. It features detailed solutions to actual problems assigned to the Applied Physics 130 class at Caltech up through 1995. They have thus been tested and debugged by students. This manual is available free to adopters of the text.

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The text describes the basic physics and principles of operation of major photonic components in optical communications and electronics. These components include optical resonators, various lasers, waveguides, optical fibers, gratings, and photonic crystals. Photonics, Sixth Edition, also covers the transmission, modulation, amplification, and detection of optical beams in optical networks, as well as nonlinear optical effects in fibers.

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INTRODUCTION : #1 Optical Electronics In Modern Communications Publish By Stephenie Meyer, Optical Electronics In Modern Communications optical electronics in modern communications fifth edition amnon yariv california institute of technology new york oxford oxford university press 1997 contents chapter 1 electromagnetic theory 7 10

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About this title. This textbook is designed for senior undergraduate and first year graduate students in electrical engineering departments taking photonics, optoelectronics or optical communications courses. The text covers key subjects in optical electronics and their applications in modern optical communications where optical waves are used as carriers of information for local and long distance transmission.

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