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Theory and Technology - GBV Integrated Optics: Theory and Technology explains the subject of optoelectronic devices and their use in integrated optics and fiber optic systems. The text emphasizes the physics of how devices work and how they can be used in various applications. Mathematical derivations and the development of design equations are provided where necessary to explain phenomena and engineering principles, but a strong effort has been made to avoid obscuring important concepts with mathematical details.

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Integrated Optics Theory And Technology INTEGRATED OPTICS. Term integrated optics means implementation of the optical properties on single substrate. Similar than electric integrated circuit (IC-circuit), PIC - Photonic Integrated Circuit. Several different materials and material combinations available for integrated optics. The main structure is waveguide, which is used to guide and manipulate light signal.

INTEGRATED OPTICS - University of Oulu As in the previous editions, detailed descriptions of the phenomena, devices, and technology used in optical integrated circuits and their relationship to fiber optics are presented. The trend of telecommunications toward the use of single mode systems operating at the longer wavelengths of 1.3 and 1.55 μ m is explained and documented with illustrations of recently developed devices and systems.

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