

1. Record Nr.	UNIPARTHENOE000031961
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Titolo	Foundations for Guided\2010Wave Optics / Chin\2010Lin Chen [risorsa elettronica]
Pubbl/distr/stampa	United Kingdom : John Wiley & Sons Ltd, 2007
Titolo uniforme	Foundations for Guided\2010Wave Optics
ISBN	9780470042229
Descrizione fisica	468 p. : ill.
Disciplina	621.38275
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Modalità di accesso: World Wide Web Consultazione online
Sommario/riassunto	This text offers an in-depth treatment of integrated and fiber optics, providing graduate students, engineers, and scientists with a solid foundation of the principles, capabilities, uses, and limitations of guided-wave optic devices and systems. In addition to the transmission properties of dielectric waveguides and optical fibers, this book covers the principles of directional couplers, guided-wave gratings, arrayed-waveguide gratings, and fiber optic polarization components. The material is fully classroom-tested and carefully structured to help readers grasp concepts quickly and apply their knowledge to solving problems. Following an overview, including important nomenclature and notations, the text investigates three major topics: Integrated optics Fiber optics Pulse evolution and broadening in optical waveguides