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Edizione	[1st ed.]
Descrizione fisica	1 online resource (374 pages) : illustrations
Collana	Optical sciences and applications of light
Disciplina	681/.423
Soggetti	Lenses Optical instruments
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	chapter 1. Basic optics -- chapter 2. Optical aberrations -- chapter 3. Optical glasses -- chapter 4. Lens specifications and parameters -- chapter 5. Design process : from start to finish -- chapter 6. Image optics : design examples -- chapter 7. Design using the multiconfiguration function -- chapter 8. Nonsequential raytracing design -- chapter 9. Tolerance analysis -- chapter 10. Design for production.
Sommario/riassunto	A Practical Guide to Lens Design focuses on the very detailed practical process of lens design. Every step from setup specifications to finalizing the design for production is discussed in a straight forward, tangible way. Design examples of several widely used modern lenses are provided. Optics basics are introduced and basic functions of Zemax are described. Zemax will be used throughout the book.