

1. Record Nr.	UNISA996392413803316
Autore	Franciscus a Sancta Clara <1598-1680.>
Titolo	An explanation of the Roman Catholikes belief [[electronic resource]] : concerning these foure points, their church, worship, justification and civill government : as it was presented to some persons of quality, for their particular satisfaction
Pubbl/distr/stampa	[S.l., : s.n., 1673]
Descrizione fisica	1 broadside
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Attributed to Franciscus a Santa Clara (Christopher Davenport) by Wing and NUC pre-1956 imprints. Date of publication suggested by Wing. Imperfect: torn, with some loss of print. Reproduction of original in the Bodleian Library.
Sommario/riassunto	eebo-0014

2. Record Nr.	UNICAMPANIAVAN00278804
Autore	Ireland, Kenneth
Titolo	Excursions in Number Theory, Algebra, and Analysis / Kenneth Ireland, Al Cuoco
Pubbl/distr/stampa	Cham, : Springer, 2023
Descrizione fisica	xxv, 177 p. : ill. ; 24 cm
Altri autori (Persone)	Cuoco, Al
Soggetti	00A07 - Problem books [MSC 2020] 11-XX - Number theory [MSC 2020] 97F60 - Number theory (educational aspects) [MSC 2020] 97Hxx - Algebra education [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr.	UNINA9911004824903321
Titolo	Diffraction optics : design, fabrication, and test // Donald C. O'Shea ... [et al.]
Pubbl/distr/stampa	Bellingham, Wash., : SPIE Press, c2004
ISBN	1-61583-705-1 0-8194-7887-3
Descrizione fisica	1 online resource (258 p.)
Collana	Tutorial texts in optical engineering ; ; v. TT 62
Altri autori (Persone)	O'SheaDonald C
Disciplina	621.36
Soggetti	Optical instruments - Design and construction Lenses - Design and construction Diffraction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- Chapter 1. Introduction -- 1.1 Where Do Diffractive Elements Fit in Optics? -- 1.2 A Quick Survey of Diffractive Optics -- 1.3 A Classic Optical Element: The Fresnel Lens -- 1.4 Light Treated as a Propagating Wave -- 1.5 A Physical Optics Element: The Blazed Grating -- 1.6 Fanout Gratings -- 1.7 Constructing the Profile: Optical Lithography -- 1.8 A Theme. Chapter 2. Scalar Diffraction Theory -- 2.1 Rayleigh-Sommerfeld Propagation -- 2.2 Fourier Analysis -- 2.3 Using Fourier Analysis -- 2.4 Diffraction Efficiency of Binary Optics -- 2.5 Extended Scalar Theory -- 2.6 Conclusion -- References. Chapter 3. Electromagnetic Analysis of Diffractive Optical Elements -- 3.1 Scalar Limitations -- 3.2 Plane-wave Spectrum Method -- 3.3 Electromagnetic Diffraction Models -- Effective Media Theory -- References. Chapter 4. Diffractive Lens Design -- 4.1 Basics of Lens Design -- 4.2 Diffractive Optics Lens Design -- 4.3 Efficiency of Multilevel Diffractive Lenses -- 4.4 Hybrid Lenses -- References. Chapter 5. Design of Diffraction Gratings -- 5.1 Introduction -- 5.2 Design Approaches -- 5.3 Design Variables -- 5.4 Direct Inversion -- 5.5 Iterative Design -- 5.6 Conclusion -- References. Chapter 6. Making a DOE -- 6.1 The Profile -- 6.2 Photolithography: A

Method for DOE Fabrication -- 6.3 From Equation to Component -- 6.4 Interplay between Fabrication and Optical Design -- 6.5 Facilities and Substrates -- 6.6 Fabrication of DOEs -- References.

Chapter 7. Photolithographic Fabrication of Diffractive Optical Elements -- 7.1 Photolithographic Processing -- 7.2 Binary Optics -- 7.3 Conclusion -- Reference.

Chapter 8. Survey of Fabrication Techniques for Diffractive Optical Elements -- 8.1 Lithographic Techniques -- 8.2 Direct Machining -- 8.3 Replication -- 8.4 Comparison of Fabrication Methods for DOEs -- References.

Chapter 9. Testing Diffractive Optical Elements -- 9.1 Metrology -- 9.2 Testing Optical Performance -- 9.3 Effects of Fabrication Errors on DOE Performance -- References.

Chapter 10. Application of Diffractive Optics to Lens Design -- 10.1 Introduction -- 10.2 Diffractive Lenses -- 10.3 Hybrid Lenses -- 10.4 Thermal Compensation with Diffractive Optics -- References.

Chapter 11. Additional Applications of Diffractive Optical Elements -- 11.1 Introduction -- 11.2 Multiple Lens Applications -- 11.3 Beam-Shaping Applications -- 11.4 Grating Applications -- 11.4.1 Beam deflectors, splitters, and samplers -- 11.5 Subwavelength Gratings -- 11.6 Integration and Modules -- 11.7 Example Application Area: Optical Communications -- 11.8 Conclusion -- References -- Index.

Sommario/riassunto

This book provides the reader with the broad range of materials that were discussed in a series of short courses presented at Georgia Tech on the design, fabrication, and testing of diffractive optical elements (DOEs). Although there are not long derivations or detailed methods for specific engineering calculations, the reader should be familiar and comfortable with basic computational techniques. This text is not a 'cookbook' for producing DOEs, but it should provide readers with sufficient information to assess whether this technology would benefit their work, and to understand the requirements for using the concepts and techniques presented by the authors.
