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| 1. Record Nr. | UNINA9910482383703321 |
| Autore | Anon |
| Titolo | Advys vanden ghenen die zn geweest tot Blois, ten tde van den moort, gheschiet inde persoonen van [...] den hertoghe van Guise, ende den cardinael synen broedere.-fTranslated from the French into Dutch [[electronic resource]] |
| Pubbl/distr/stampa | Dordrecht, : Jan Canin, 1589 |
| Descrizione fisica | Online resource (4°) |
| Lingua di pubblicazione | Olandese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Reproduction of original in Koninklijke Bibliotheek, Nationale bibliotheek van Nederland. |
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| 2. Record Nr. | UNINA9911004821703321 |
| Autore | Baumeister Philip |
| Titolo | Optical coating technology / / Philip W. Baumeister |
| Pubbl/distr/stampa | Bellingham, Wash., : SPIE Optical Engineering Press, 2004 |
| ISBN | 1-61583-745-0
0-8194-8102-5 |
| Descrizione fisica | 1 online resource (840 p.) |
| Collana | SPIE Press monograph ; ; PM137 |
| Disciplina | 681/.4 |
| Soggetti | Optical coatings |
| 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 | Chapter 1. How coatings are used and integrated into optical systems -- 1.1. Fabrication of multilayer interference devices -- 1.2. Nomenclature and general properties -- 1.3. Antireflection coatings -- 1.4. Spectral filtering and narrowband rejection -- 1.5. Filters with |

broad spectral bandwidth -- 1.6. Bandpasses -- 1.7. Reflectors used principally at normal incidence -- 1.8. Beamdividers, dichroics and polarizers -- 1.9. Miscellaneous topics -- 1.10. Appendices --
 Chapter 2. Fundamentals -- 2.0. Overview of chapter -- 2.1. Overview of intuitive approach -- 2.2. Reflection and transmission at an interface -- 2.3. Phase shift upon reflection and node of the standing wave -- 2.4. Properties of a multilayer -- 2.5. Design concepts used at nonnormal incidence -- 2.6. Aids to computation -- 2.7. Properties of a stack with equal optical thickness layers -- 2.8. Graphical aids to multilayer design -- 2.9. Standing waves, net flux ratio and absorption -- 2.10. Appendices: Propagation of electromagnetic waves -- 2.11. Appendices --
 Chapter 3. Thin films, the building blocks of multilayers -- 3.0. Purpose of this chapter -- 3.1. Methods of depositing a thin film, a conceptual view -- 3.2. Deposition methods, hardware and procedures -- 3.3. Overview of physical vapor deposition and film formation -- 3.4. Process parameters influencing optical properties -- 3.5. Criteria for thin film material selection -- 3.6. Survey of coating materials -- 3.7. Appendix: List of useful coating materials --
 Chapter 4. Reflection reducing coatings -- 4.0. Introduction -- 4.1. Antireflection coating design by computer optimization -- 4.2. Design methods and evaluation of antireflection coatings -- 4.3. Multiple quarterwave and other narrowband designs -- 4.4. All-dielectric antireflection coatings deposited upon metallic layers -- 4.5. Coatings with broader spectral bandwidth, maximally flat designs -- 4.6. Coating with zero reflectance at two or more wavelengths -- 4.7. Chebyshev antireflection coatings -- 4.8. Step-up and step-down of admittance -- 4.9. Miscellaneous topics -- 4.10. Appendix: Proofs, derivations and designs --
 Chapter 5. Reflectors, edge filters and periodic structures -- 5.1. Introduction -- 5.2. Analysis of the basic period -- 5.3. Single-stack coatings -- 5.4. Edge filter design -- 5.5. Broadband reflectors and rejection filters -- 5.6. Phase shift upon reflection -- 5.7. Miscellaneous topics -- 5.8. Appendices --
 Chapter 6. Beamdividers and polarizers -- 6.1. Introduction -- 6.2. Nonimmersed linear polarizers containing quarterwave layers -- 6.3. Immersed linear polarizers -- 6.4. Nonpolarizing nonimmersed designs -- 6.5. Nonpolarizing immersed coatings -- 6.6. Miscellaneous topics -- 6.7. Appendices containing derivations -- 6.8. Appendices containing multilayer designs --
 Chapter 7. All-dielectric bandpass filters -- 7.1. Introduction -- 7.2. Control of the spectral bandwidth -- 7.3. Periodic-structure bandpass design method -- 7.4. Filter design using two components -- 7.5. Periodic structures containing three materials -- 7.6. Microwave design method -- 7.7. Examples of conventional bandpass design -- 7.8. Bandpasses for optical fiber communication -- 7.9. Additional topics -- 7.10. Miscellaneous topics and appendices --
 Chapter 8. Coatings that contain absorbing layers -- 8.1. Introduction -- 8.2. Bandpass filters, general properties -- 8.3. Design procedures for metal-dielectric bandpass filters -- 8.4. Bandpass filter design examples -- 8.5. Dark mirror absorber -- 8.6. Reflectors -- 8.7. Beamdivider containing silver -- 8.8. Neutral density coatings -- 8.9. Miscellaneous topics --
 Chapter 9. Coating deposition -- 9.1. Introduction -- 9.2. Cleaning of a substrate prior to coating it -- 9.3. Tooling, initial pumpdown, ion bombardment and heating of substrates -- 9.4. Thin film deposition -- 9.5. Collection of the evaporant upon the substrates -- 9.6. The control of layer thickness during deposition -- 9.7. Mechanical stress in optical coatings -- 9.8. Appendices --

Chapter 10. Miscellaneous topics -- 10.0. Overview of chapter -- 10.1. Graphical aids to multilayer design -- 10.2. Optimization -- 10.3. Overall transmittance of an array of coated objects -- 10.4. Performance of coatings, their optical characteristics -- 10.5. Performance of coatings and their non-optical characteristics -- 10.6. Phase relations in multilayers -- 10.7. The influence of a coating upon a transmitted or reflected wavefront --
Chapter 11. References to the literature -- Chapter 12. Notation and definitions of terminology -- 12.1. Symbols, general comments -- 12.2. Symbols -- 12.3. Glossary of terminology -- Chapter 13. Index.

Sommario/riassunto

Baumeister organizes this book around the key subjects associated with functions of optical thin film performance, and provides a valuable resource in the field of thin film technology. The information is widely backed up with citations to patents and published literature. The author draws from 25 years of experience teaching classes at the UCLA Extension Program, and at companies worldwide to answer questions, such as: what are the conventions for a given analysis formalism? and, what other design approaches have been tried for this application?
