

1.	Record Nr.	UNISALENTO991000195929707536
	Autore	Spina, Francesco
	Titolo	Storia di Cellino San Marco dal medioevo all'età moderna : studi e documenti dal IX secolo all'unità d'Italia ed altre ricerche sul territorio e sulle persone / Francesco Spina
	Pubbl/distr/stampa	Cellino San Marco (BR) : Cassa rurale ed artigiana, stampa 1983
	Descrizione fisica	636 p., 65 p. di tav. ; 25 cm.
	Soggetti	Cellino San Marco Storia
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910831200403321
	Titolo	100 years Werner Heisenberg : works and impact
	Pubbl/distr/stampa	[Place of publication not identified], : Wiley VCH, 2002
	ISBN	3-527-61085-5
	Disciplina	530/.092
	Soggetti	Physics - History - 20th century Quantum theory - History - 20th century Physics - General Physics Physical Sciences & Mathematics
	Lingua di pubblicazione	Inglese
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	Livello bibliografico	Monografia
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3. 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?
