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Titolo	Optical devices in ophthalmology and optometry : technology, design principles and clinical applications / / Michael Kaschke, Karl-Heinz Donnerhacke, and Michael Stefan Rill ; cover design, Simone Benjamin
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Altri autori (Persone)	DonnerhackeKarl-Heinz RillMichael Stefan BenjaminSimone
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Nota di contenuto	Cover; Title page; Contents; Preface; Part One; 1 Structure and Function; 1.1 Anatomy of the Human Eye; 1.2 Retina: The Optical Sensor; 1.2.1 Retinal Structure; 1.2.2 Functional Areas; 1.3 Recommended Reading; References; 2 Optics of the Human Eye; 2.1 Optical Imaging; 2.1.1 Entrance and Exit Pupils; 2.1.2 Cardinal Points; 2.1.3 Eye Axes; 2.1.4 Accommodation; 2.1.5 Resolution; 2.1.6 Adaption; 2.1.7 Stiles-Crawford Effect; 2.1.8 Depth of Field; 2.1.9 Binocular Vision; 2.1.10 Spectral Properties; 2.2 Schematic Eye Models; 2.2.1 Paraxial Model: The Gullstrand Eye; 2.2.2 Finite Wide-Angle Models 2.2.3 Applications of Eye Models2.3 Color Vision; 2.4 Recommended Reading; References; 3 Visual Disorders and Major Eye Diseases; 3.1 Refractive Errors; 3.1.1 Axial-Symmetric Ametropia: Myopia and

Hyperopia; 3.1.2 Astigmatism; 3.1.3 Notations of Spherocylindric Refraction in Astigmatic Eyes; 3.1.4 Anisometropia; 3.1.5 Distribution of Refractive Errors; 3.1.6 Refractive Errors Caused by Diseases; 3.2 Cataract; 3.3 Glaucoma; 3.4 Age-Related Macular Degeneration; 3.4.1 ARM; 3.4.2 Dry AMD; 3.4.3 Wet AMD; 3.5 Diabetic Retinopathy; 3.6 Retinal Vein Occlusions; 3.7 Infective Eye Diseases
 3.7.1 Trachoma 3.7.2 Onchocerciasis; 3.8 Major Causes for Visual Impairment; 3.9 Major Causes of Blindness; 3.10 Socio-Economic Impact of Eye Diseases; 3.11 Recommended Reading; Problems to Chapters 1-3; References; Part Two; 4 Introduction to Ophthalmic Diagnosis and Imaging; 4.1 Determination of the Eye's Refractive Status; 4.2 Visualization, Imaging, and Structural Analysis; 4.3 Determination of the Eye's Functional Status; 4.3.1 Global Functional Status; 4.3.2 Local Functional Status; 4.4 Light Hazard Protection; References; 5 Determination of the Refractive Status of the Eye
 5.1 Retinoscopy 5.1.1 Illumination Beam Path; 5.1.2 Observation Beam Path; 5.1.3 Measurement Procedure; 5.1.4 Accuracy in Retinoscopy; 5.1.5 Applications; 5.2 Automated Objective Refractometers (Autorefractors); 5.2.1 Common Characteristics of Autorefractors; 5.2.2 Measuring Methods; 5.2.3 Measurement Accuracy and Limitations of Automatic Refractometers; 5.3 Aberrometers; 5.3.1 Fundamentals of Aberrometry; 5.3.2 General Measurement Principles for Aberrometers; 5.3.3 General Remarks on Aberrometry; 5.3.4 Hartmann-Shack Wavefront Aberrometer (Outgoing Light Aberrometer)
 5.3.5 Ingoing Light Aberrometers 5.3.6 Commercial Aberrometers; 5.4 Wavefront Reconstruction and Wavefront Analysis; 5.4.1 From Wavefront to Refraction (Wavefront Analysis); 5.4.2 Applications of Wavefront Analysis; 5.5 Excursus: Refractive Correction with Eye Glasses and Contact Lenses; 5.6 Recommended Reading; 5.7 Problems; References; 6 Optical Visualization, Imaging, and Structural Analysis; 6.1 Medical Magnifying Systems; 6.1.1 Optics of a Single Loupe; 6.1.2 Medical Loupes; 6.2 Surgical Microscopes; 6.2.1 Requirements for Surgical Microscopes; 6.2.2 Functional Principle
 6.2.3 Modular Structure of Surgical Microscopes

Sommario/riassunto

Medical technology is a fast growing field. This new title gives a comprehensive review of modern optical technologies alongside their clinical deployment. It bridges the technology and clinical domains and will be suitable in both technical and clinical environments. It introduces and develops basic physical methods (in optics, photonics, and metrology) and their applications in the design of optical systems for use in medical technology with a special focus on ophthalmology. Medical applications described in detail demonstrate the advantage of utilizing optical-photonic methods. Exercises an

2. Record Nr.	UNISALENTO991003568149707536
Autore	Broglia, Stefano
Titolo	Meccanica applicata alle macchine : esercizi svolti / Stefano Broglia, Francesco Scaramelli
Pubbl/distr/stampa	Bologna, Progetto Leonardo, 1998
ISBN	9788874882830
Descrizione fisica	xi, 120 p. : ill. ; 24 cm
Altri autori (Persone)	Scaramelli, Francescoauthor
Disciplina	621.811
Soggetti	Machinery Mechanics, Applied - Problems, exercises, etc
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
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3. Record Nr.	UNINA9910495859303321
Autore	Brown Jonathan C (Jonathan Charles), <1942->
Titolo	Oil and revolution in Mexico / / Jonathan C. Brown [[electronic resource]]
Pubbl/distr/stampa	Berkeley, : University of California Press, c1992
ISBN	0-585-22326-2
Descrizione fisica	1 online resource (xiii, 453 p.) : ill. ;
Disciplina	338.2/7282/0972
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Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction: Compromising the Forces of Change -- 1. Not All Beer and Skittles -- 2. The Great Mexican Oil Boom -- 3. Revolution and Oil -- 4. Law Morality, and Justice -- 5. Health and Social Revolution -- Conclusion: The Ambivalence toward Modernization.
Sommario/riassunto	This book shatters many misconceptions about foreign investment in Latin America. Viewing the foreign investor as neither cruel oppressor nor friendly benefactor, Jonathan Brown shows that the dynamic growth of the Mexican oil industry resulted from both the infusion of external capital and Mexico's own economic restructuring - conditions similar to those under which free markets are today being revived throughout the hemisphere. Brown's voluminous research into the operations of the British and American oil companies in Mexico between 1880 and 1920 reveals their involvement in the political and social breakdown that led the country to revolution in 1910. Brown weaves a fascinating, sometimes exciting story out of the complicated maneuverings among oilmen, politicians, diplomats, and workers in a period of massive social upheaval. Oil companies brought capital, technology, and jobs to Mexico, but they also threatened its deeply rooted social heritage. Brown shows that the Mexican response to this double edged situation was far more effective than has been recognized. Mexicans of all classes sought to impose their own traditions on the powerful companies, if only to prevent modern capitalism from destroying Mexico's political and social structure. Their success was remarkable.

Lively provocative but evenhanded, with darts of wry humor, *Oil and Revolution in Mexico* will engage a wide variety of readers: business, economic, political, labor, and social historians and students of Latin America, revolutions, foreign investment, and international relations.
