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KEY=OPTICS - MARISA DUKE

FUNDAMENTALS OF OPTICS

GEOMETRICAL PHYSICAL AND QUANTUM

OPTICS AND SPECTROSCOPY

S. Chand Publishing *This book has been written for the students of B.Sc., Physics of various Indian Universities. The book covers the syllabi, prescribed by Madras, Bharathiyar, Bharathidhasan, Madurai Kamaraj and Manonmaniam Sundaranar Universities. SI System of Units has been used throughout the text. Proper care has been taken in dealing with the subject with modern outlook. A large number of questions and problems have been given at the end of each Chapter. Students should attempt to tackle them properly for better insight and understanding of the subject.*

INDIAN BOOKS IN PRINT

IMPEX REFERENCE CATALOGUE OF INDIAN BOOKS

**AUTHOR CATALOGUE OF PRINTED BOOKS IN EUROPEAN LANGUAGES
...: C-E**

NATIONAL CATALOGUE OF UNIVERSITY LEVEL BOOKS, 1971

INDIAN BOOKS

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INDIAN BOOK INDUSTRY

THE CUMULATIVE BOOK INDEX

LSC FUNDAMENTALS OF OPTICS

McGraw-Hill Science/Engineering/Math

FUNDAMENTALS OF OPTICS, SECOND EDITION

PHI Learning Pvt. Ltd. his thoroughly revised and updated text, now in its second edition, is primarily intended as a textbook for undergraduate students of Physics. The book provides a sound understanding of the fundamental concepts of optics adopting an integrated approach to the principles of optics. It covers the requirements of syllabi of undergraduate students in Physics and Engineering in Indian Universities. The book includes a wide range of interesting topics such as Fermat's principle, geometrical optics, dispersion, interference, diffraction and polarization of light waves, optical instruments and lens aberrations. It also discusses electromagnetic waves, fundamentals of vibrations and wave motion. The text explains the concepts through extensive use of line drawings and gives full derivations of essential relations. The topics are dealt with in a well-organized sequence with proper explanations along with simple mathematical formulations. New to the SECOND Edition • Incorporates two new chapters, i.e., 'Fundamentals of Vibrations', and 'Wave Motion' • Includes several worked-out examples to help students reinforce their comprehension of theory • Provides Formulae at a Glance and Conceptual Questions with their answers for quick revision **KEY FEATURES** • Provides several Solved Numerical Problems to help students comprehend the concepts with ease • Includes Multiple Choice Questions and Theoretical Questions to help students check their understanding of the subject matter • Contains unsolved Numerical Problems with answers to build problem-solving skills

PRINCIPLES OF OPTICS

Cambridge University Press The 60th anniversary edition of this classic and unrivalled optics reference work includes a special foreword by Sir Peter Knight.

اطلاعات علمی

AN INTRODUCTION TO LATTICE DYNAMICS

INTERNATIONAL BOOKS IN PRINT

VIBRATIONS AND WAVES

CRC Press The M.I.T. Introductory Physics Series is the result of a program of careful

study, planning, and development that began in 1960. The Education Research Center at the Massachusetts Institute of Technology (formerly the Science Teaching Center) was established to study the process of instruction, aids thereto, and the learning process itself, with special reference to science teaching at the university level. Generous support from a number of foundations provided the means for assembling and maintaining an experienced staff to co-operate with members of the Institute's Physics Department in the examination, improvement, and development of physics curriculum materials for students planning careers in the sciences. After careful analysis of objectives and the problems involved, preliminary versions of textbooks were prepared, tested through classroom use at M.I.T. and other institutions, re-evaluated, rewritten, and tried again. Only then were the final manuscripts undertaken.

IETE TECHNICAL REVIEW

FUNDAMENTALS OF PHYSICS II

ELECTROMAGNETISM, OPTICS, AND QUANTUM MECHANICS

Yale University Press Explains the fundamental concepts of Newtonian mechanics, special relativity, waves, fluids, thermodynamics, and statistical mechanics. Provides an introduction for college-level students of physics, chemistry, and engineering, for AP Physics students, and for general readers interested in advances in the sciences. In volume II, Shankar explains essential concepts, including electromagnetism, optics, and quantum mechanics. The book begins at the simplest level, develops the basics, and reinforces fundamentals, ensuring a solid foundation in the principles and methods of physics.

SOLUTIONS MANUAL TO ACCOMPANY JENKINS/WHITE : FUNDAMENTALS OF OPTICS

FOURTH EDITION

McGraw-Hill

LASERS

THEORY AND APPLICATIONS

Springer

ESSENTIALS OF STRATEGIC MANAGEMENT

Cengage Learning Thorough yet concise, *ESSENTIALS OF STRATEGIC MANAGEMENT*, Third Edition, is a brief version of the authors' market-leading text *STRATEGIC MANAGEMENT: AN INTEGRATED APPROACH*. Following the same framework as the larger book, *ESSENTIALS* helps students identify and focus on core concepts in the field in a more succinct, streamlined format. Based on real-world practices and current thinking, the text's presentation of strategic management features an increased emphasis on the business model concept as a way of framing

the issues of competitive advantage. Cutting-edge research, new strategic management theory, and a hands-on approach allow students to explore major topics in management, including corporate performance, governance, strategic leadership, technology, and business ethics. In addition, a high-quality case program examines small, medium, and large companies--both domestic and international--so that students gain experience putting chapter concepts into real-world practice in a variety of scenarios. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

B.SC. PRACTICAL PHYSICS

S. Chand Publishing *B.Sc. Practical Physics*

MECHANICS

S. Chand Publishing *The book presents a comprehensive study of important topics in Mechanics of pure and applied sciences. It provides knowledge of scalar and vector in optimum depth to make the students understand the concepts of Mechanics in simple, coherent and lucid manner and grasp its principles & theory. It caters to the requirements of students of B.Sc. Pass and Honours courses. Students of engineering disciplines and the ones aspiring for competitive exams such as AIME and others, will also find it useful for their preparations.*

PHYSICS FOR DEGREE STUDENTS B.SC SECOND YEAR

S. Chand Publishing *For B.Sc. Second Year Students as per UGC Model Curriculum (For All Indian Universities). The book is presented in a comprehensive way using simple language. The sequence of articles in each chapter enables the students to understand the gradual development of the subject. A large number of illustrations, pictures and interesting examples have been given*

PHYSICS OF LIGHT AND OPTICS (BLACK & WHITE)

Lulu.com

ALLIED PHYSICS PAPER I & II

S. Chand Publishing *Paper-I | Waves & Oscillations | Properties Of Matters | Thermal Physics | Electricity And Magnetism | Geometrical Optics | Paper-II | Physical Optics | Atomic Physics | Nuclear Physics | Elements Of Relativity And Quantum Mechanics | Electronics Practical Physics | Young'S Modulus By Non-Uniform Bending | Young'S Modulus (E) Non-Uniform Bending | Rigidity Modulus (Static Torsion Method)|Rigidity Modulus By Torsional Oscillations | Surface Tension And Interfacial Surface Tension Drop Weight Method | Comparison Of Viscosities Of Two Liquids—Burette Method | Specific Heat Capacity Of A Liquid | Sonometer— Frequency Of A.C. Mains | Determination Of Radius Of Curvature | Air Wedge — Thickness Of A Wire | Spectrometer-Diffraction On Gravity- Wavelength Of Hg Lines | Potentiometer-Voltmeter Calibration | Post Office Box-Measure Of Resistance And Specific Resistance | Ballistic Galvanometer Figure Of Merit | Logic Gates And, Or, Not | Zener Diode Characteristics | Nand Gate As A Universal Gate*

ELEMENTS OF PROPERTIES OF MATTER

S. Chand Publishing *The book is a comprehensive work on Properties of Matter which introduces the students to the fundamentals of the subject. It adopts a unique 'ab initio' approach to the presentation of matter- solids, liquids and gasses- with extensive usage of Calculus throughout the book. For each topic, the focus is on optimum blend of theory as well as practical application. Examples and extensive exercises solved with the logarithms reinforce the concepts and stimulate the desire among users to test how far they have grasped and imbibed the basic principles. It primarily caters to the undergraduate courses offered in Indian universities.*

OILS AND FATS AUTHENTICATION

John Wiley & Sons *Quality assessment and the need for authentication are important features of the food and personal care products industries. This volume provides an overview of the methods relevant to analysis and authentication of oils and fats. All the major oils and fats are included. Chapter authors are drawn from the academic and industrial sectors. The volume is directed at chemists and technologists working in the food industry, the pharmaceutical industry and in oils and fats processing. It will also be of interest to analytical chemists and quality assurance personnel.*

A TEXTBOOK OF OPTICS

S. Chand Publishing *This textbook has been designed to provide necessary foundation in optics which would not only acquaint the student with the subject but would also prepare for an intensive study of advanced topics in optics at a later stage. With an emphasis on concepts, mathematical derivations have been kept at the minimum. This textbook has been primarily written for undergraduate students of B.Sc. Physics and would also be a useful resource for aspirants appearing for competitive examinations.*

NANOMATERIALS IN BIONANOTECHNOLOGY

FUNDAMENTALS AND APPLICATIONS

CRC Press *Nanomaterials in Bionanotechnology: Fundamentals and Applications offers a comprehensive treatment of nanomaterials in biotechnology from fundamentals to applications, along with their prospects. This book explains the basics of nanomaterial properties, synthesis, biological synthesis, and chemistry and demonstrates how to use nanomaterials to overcome problems in agricultural, environmental, and biomedical applications. Features Covers nanomaterials for environmental analysis and monitoring for heavy metals, chemical toxins, and water pollutant detection Describes nanomaterials-based biosensors and instrumentation and use in disease diagnosis and therapeutics Discusses nanomaterials for food processing and packaging and agricultural waste management Identifies challenges in nanomaterials-based technology and how to solve them This work serves as a reference for industry professionals, advanced students, and researchers working in the discipline of bionanotechnology.*

GEOMETRICAL AND PHYSICAL OPTICS

Orient Blackswan First Published In India In 1986, This Book Is Intended Primarily For Undergraduate Students Of Physics. It Will Also Be Useful For Postgraduate Students Specialising In Optics. This Revised Edition Incorporates New Material, Including The Techniques Of Matrix Algebra And Fourier Methods In Solving Problems In Optics. The Chapter On Photometry Has Been Revised. Important Problems Have Been Outlined Along With Comments, At The End Of The Book.

ENCYCLOPEDIA OF MANAGEMENT THEORY

SAGE Publications In discussing a management topic, scholars, educators, practitioners, and the media often toss out the name of a theorist (Taylor, Simon, Weber) or make a sideways reference to a particular theory (bureaucracy, total quality management, groupthink) and move on, as if assuming their audience possesses the necessary background to appreciate and integrate the reference. This is often far from the case. Individuals are frequently forced to seek out a hodgepodge of sources varying in quality and presentation to provide an overview of a particular idea. This work is designed to serve as a core reference for anyone interested in the essentials of contemporary management theory. Drawing together a team of international scholars, it examines the global landscape of the key theories and the theorists behind them, presenting them in the context needed to understand their strengths and weaknesses to thoughtfully apply them. In addition to interpretations of long-established theories, it also offers essays on cutting-edge research as one might find in a handbook. And, like an unabridged dictionary, it provides concise, to-the-point definitions of key concepts, ideas, schools, and figures. Features and Benefits: Two volumes containing over 280 signed entries provide users with the most authoritative and thorough reference resources available on management theory, both in terms of breadth and depth of coverage. Standardized presentation format, organized into categories based on validity and importance, structures entries so that readers can assess the fundamentals, evolution, and impact of theories. To ease navigation between and among related entries, a Reader's Guide groups entries thematically and each entry is followed by Cross-References. In the electronic version, the Reader's Guide combines with the Cross-References and a detailed Index to provide robust search-and-browse capabilities. An appendix with a Chronology of Management Theory allows readers to easily chart directions and trends in thought and theory from early times to the present. An appendix with Central Management Insights allows readers to easily understand, compare, and apply major theoretical messages of the field. Suggestions for Further Reading at the end of each entry guide readers to sources for more detailed research and discussion. Key themes include: Nature of Management Managing People, Personality, and Perception Managing Motivation Managing Interactions Managing Groups Managing Organizations Managing Environments Strategic Management Human Resources Management International Management and Diversity Managerial Decision Making, Ethics, and Creativity Management Education, Research, and Consulting Management of Operations, Quality, and Information Systems Management of Entrepreneurship Management of

Learning and Change Management of Technology and Innovation Management and Leadership Management and Social / Environmental Issues PLUS: Appendix of Chronology of Management Theory PLUS: Appendix of Central Management Insights

PRINCIPLES OF OPTICS

ELECTROMAGNETIC THEORY OF PROPAGATION, INTERFERENCE AND DIFFRACTION OF LIGHT

Elsevier *Principles of Optics: Electromagnetic Theory of Propagation, Interference and Diffraction of Light, Sixth Edition* covers optical phenomenon that can be treated with Maxwell's phenomenological theory. The book is comprised of 14 chapters that discuss various topics about optics, such as geometrical theories, image forming instruments, and optics of metals and crystals. The text covers the elements of the theories of interference, interferometers, and diffraction. The book tackles several behaviors of light, including its diffraction when exposed to ultrasonic waves. The selection will be most useful to researchers whose work involves understanding the behavior of light.

HALLIDAY AND RESNICK'S PRINCIPLES OF PHYSICS

Wiley Global Education *The classic textbook that builds scientific literacy and logical reasoning ability Principles of Physics, now in its 11th edition, is renowned for teaching students, not just the basic concepts of physics, but also the superior problem-solving skills needed to apply what they have learned. With thematic modules and clear learning objectives, students will never be left asking, "Why am I learning this?" End-of-chapter questions range from the mathematically challenging to the conceptually complex, to truly instill in students a working knowledge of calculus-based physics. This new edition features problems that represent a "best of" selection reaching all the way back to the book's first publication. The strongest and most interesting questions from all the Principles of Physics editions will challenge and stimulate students as they learn how the world works. Altogether, this user-friendly text is peerless in its ability to help students build scientific literacy and physics skill.*

PHYSICS FOR DEGREE STUDENTS B.SC.FIRST YEAR

S. Chand Publishing *For B.Sc I yr students as per the new syllabus of UGC curriculum for all Indian Universities. The present book has two sections. Section I covers 1 which includes chapters on Mechanics, oscillations and Properties of Matter. Section II covers course 2 which includes chapters on Electricity, Magnetism and Electromagnetic theory.*

PROPERTIES OF MATTER AND ACOUSTIC

S. Chand Publishing *This book is written to meet the requirements of first semester B.Sc. Physics Major Students of Madras University, Chennai, Tamil Nadu. The subject matter in this book has been astutely developed keeping in view the actual difficulties faced by the students who hail mostly from rural areas of Tamil*

Nadu.

A TEXTBOOK OF SOUND

Vikas Publishing House *This book sets out to elaborate on the principles of sound in a most scholarly and comprehensive manner. Harmonic oscillators, linearity and superposition principle, oscillations with one degree of freedom, resonance and sharpness of resonance, quality factor, Doppler effect in sound and light, tape recording, cathode-ray oscillograph, medical applications of ultrasonics, acoustic intensity and acoustic measurements are some of the important topics which have been given special attention. Although the book is for BSc students, some of the elementary discussions are included to initiate an advanced treatment of the subject.*

HEAT AND THERMODYNAMICS
