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Library Journal - Melvil Dewey
1966

Includes, beginning Sept. 15, 1954 (and on the 15th of each month, Sept.-May) a special section: School library journal, ISSN 0000-0035, (called Junior libraries, 1954-May 1961).

Issued also separately.

Technical Books in Print - 1964

Physics of Classical

Electromagnetism - Minoru
Fujimoto 2007-09-06

This book is unique because unlike others on the subject that focus on mathematical arguments, this volume emphasizes the original field concept, aiming at objectives in modern information technology. Written primarily for undergraduate students of physics and engineering, this

book serves as a useful reference for graduate students and researchers too. With concise introductory arguments for the physics of electromagnetism, this book covers basic topics including the nature of space-time-dependent radiations in modern applications.

Classical Electromagnetic Radiation - Mark A. Heald
2012-12-19

Newly corrected, this highly acclaimed text is suitable for advanced physics courses. The authors present a very accessible macroscopic view of classical electromagnetics that emphasizes integrating electromagnetic theory with physical optics. The survey follows the historical development of physics, culminating in the use of four-vector relativity to fully integrate electricity with magnetism. Corrected and emended reprint of the Brooks/Cole Thomson Learning, 1994, third edition.

Books and Pamphlets, Including Serials and Contributions to Periodicals - Library of

Congress. Copyright Office
1967

Electromagnetic Fields And Waves - Paul Lorrain 1984

Foundations of electromagnetic theory - John R. Reitz 1974

Mathematical Foundations for Electromagnetic Theory - Donald G. Dudley 1994-05-18
Co-published with Oxford University Press. This highly technical and thought-provoking book stresses the development of mathematical foundations for the application of the electromagnetic model to problems of research and technology. Features include in-depth coverage of linear spaces, Green's functions, spectral expansions, electromagnetic source representations, and electromagnetic boundary value problems. This book will be of interest graduate-level students in engineering, electromagnetics, physics, and applied mathematics as well as to research engineers,

physicists, and scientists.

Subject Guide to Books in Print - 1990

Books in Print - 1987

Books in Series - 1979

Electromagnetic Field Theory Fundamentals - Bhag

Singh Guru 2009-07-23
Guru and Hiziroglu have produced an accessible and user-friendly text on electromagnetics that will appeal to both students and professors teaching this course. This lively book includes many worked examples and problems in every chapter, as well as chapter summaries and background revision material where appropriate. The book introduces undergraduate students to the basic concepts of electrostatic and magnetostatic fields, before moving on to cover Maxwell's equations, propagation, transmission and radiation. Chapters on the Finite Element and Finite Difference method, and a detailed appendix on the Smith chart are additional

enhancements. MathCad code for many examples in the book and a comprehensive solutions set are available at www.cambridge.org/9780521830164.

Physics of Light and Optics (Black & White) - Michael Ware 2020

Modern Electrodynamics -

Andrew Zangwill 2013
An engaging writing style and a strong focus on the physics make this graduate-level textbook a must-have for electromagnetism students. *Electromagnetic Field Theory* - Markus Zahn 2003

Electromagnetic Field Interaction with

Transmission Lines - Farhad Rachidi 2008

The evaluation of electromagnetic field coupling to transmission lines is an important problem in electromagnetic compatibility. Traditionally, use is made of the TL approximation which applies to uniform transmission lines with electrically small cross-sectional dimensions, where

the dominant mode of propagation is TEM. Antenna-mode currents and higher-order modes appearing at higher frequencies are neglected in TL theory. The use of the TL approximation has permitted to solve a large range of problems (e.g. lightning and EMP interaction with power lines). However, the continual increase in operating frequency of products and higher frequency sources of disturbances (such as UWB systems) makes that the TL basic assumptions are no longer acceptable for a certain number of applications. In the last decade or so, the generalization of classical TL theory to take into account high frequency effects has emerged as an important topic of study in electromagnetic compatibility. This effort resulted in the elaboration of the so-called 'generalized' or 'full-wave' TL theory, which incorporates high frequency radiation effects, while keeping the relative simplicity of TL equations. This book is organized in two main parts.

Part I presents consolidated knowledge of classical transmission line theory and different field-to-transmission line coupling models. Part II presents different approaches developed to generalize TL Theory.

New Technical Books - New York Public Library 1961

Catalog of Copyright Entries. Third Series - Library of Congress. Copyright Office 1967

Current Literature - 1966

Handbook of Surface Plasmon Resonance - Richard B. M. Schasfoort 2017-05-30
Surface plasmon resonance (SPR) plays a dominant role in real-time interaction sensing of biomolecular binding events, this book provides a total system description including optics, fluidics and sensor surfaces for a wide researcher audience.

Fundamentals of Engineering Economics - Chan S. Park 2009

This work offers a concise, but

in-depth coverage of all fundamental topics of engineering economics.
Solutions Manual to Foundations of Electromagnetic Theory - Reitz 1993-01

Introduction to Electrodynamics - David J. Griffiths 2017-06-29

This is a re-issued and affordable printing of the widely used undergraduate electrodynamics textbook.
Scientific and Technical Books in Print - 1972

LSC Fundamentals of Optics - Francis Jenkins 2001-12-03

Microelectronic Circuits - Muhammad H. Rashid 2011

The Publishers' Trade List Annual - 1985

National Union Catalog - 1979

Includes entries for maps and atlases.
Modern Thermodynamics - Dilip Kondepudi 2014-12-31
Modern Thermodynamics: From Heat Engines to Dissipative

Structures, Second Edition presents a comprehensive introduction to 20th century thermodynamics that can be applied to both equilibrium and non-equilibrium systems, unifying what was traditionally divided into 'thermodynamics' and 'kinetics' into one theory of irreversible processes. This comprehensive text, suitable for introductory as well as advanced courses on thermodynamics, has been widely used by chemists, physicists, engineers and geologists. Fully revised and expanded, this new edition includes the following updates and features: Includes a completely new chapter on Principles of Statistical Thermodynamics. Presents new material on solar and wind energy flows and energy flows of interest to engineering. Covers new material on self-organization in non-equilibrium systems and the thermodynamics of small systems. Highlights a wide range of applications relevant to students across physical sciences and engineering

courses. Introduces students to computational methods using updated Mathematica codes. Includes problem sets to help the reader understand and apply the principles introduced throughout the text. Solutions to exercises and supplementary lecture material provided online at

<http://sites.google.com/site/modernthermodynamics/>. Modern Thermodynamics: From Heat Engines to Dissipative Structures, Second Edition is an essential resource for undergraduate and graduate students taking a course in thermodynamics.

Whitaker's Five-year Cumulative Book List - 1968

Ohanian Physics - Hans C. Ohanian 1985

The Classical Theory of Fields - Carl S. Helrich
2012-01-13

The study of classical electromagnetic fields is an adventure. The theory is complete mathematically and we are able to present it as an example of classical Newtonian

experimental and mathematical philosophy. There is a set of foundational experiments, on which most of the theory is constructed. And then there is the bold theoretical proposal of a field-field interaction from James Clerk Maxwell. This textbook presents the theory of classical fields as a mathematical structure based solidly on laboratory experiments. Here the student is introduced to the beauty of classical field theory as a gem of theoretical physics. To keep the discussion fluid, the history is placed in a beginning chapter and some of the mathematical proofs in the appendices. Chapters on Green's Functions and Laplace's Equation and a discussion of Faraday's Experiment further deepen the understanding. The chapter on Einstein's relativity is an integral necessity to the text. Finally, chapters on particle motion and waves in a dispersive medium complete the picture. High quality diagrams and detailed end-of-chapter questions enhance the learning experience.

Books in Print Supplement -
1978

-

Catalog of Copyright Entries. Third Series - Library of Congress. Copyright Office 1970

Catalog of Copyright Entries. Fourth Series - Library of Congress. Copyright Office 1967

Electromagnetic Fields and Energy - Hermann A. Haus 1989

American Journal of Physics
- 1983

Classical Electromagnetic Theory - Jack Vanderlinde
2006-01-17

In questions of science, the authority of a thousand is not worth the humble reasoning of a single individual. Galileo Galilei, physicist and astronomer (1564-1642) This book is a second edition of "Classical Electromagnetic Theory" which derived from a set of lecture notes compiled

over a number of years of teaching elect- magnetic theory to fourth year physics and electrical engineering students. These students had a previous exposure to electricity and magnetism, and the material from the first four and a half chapters was presented as a review. I believe that the book makes a reasonable transition between the many excellent elementary books such as Griffith's Introduction to Electrodynamics and the obviously graduate level books such as Jackson's Classical Electrodynamics or Landau and Lifshitz' Elect- dynamics of Continuous Media. If the students have had a previous exposure to Electromagnetic theory, all the material can be reasonably covered in two semesters. Neophytes should probably spend a semester on the first four or five chapters as well as, depending on their mathematical background, the Appendices B to F. For a shorter or more elementary course, the material on spherical waves, waveguides, and waves in

anisotropic media may be omitted without loss of continuity.

Electromagnetic Fields -

Roald K. Wangsness 1979

This revised edition provides patient guidance in its clear and organized presentation of problems. It is rich in variety, large in number and provides very careful treatment of

relativity. One outstanding feature is the inclusion of simple, standard examples demonstrated in different methods that will allow students to enhance and understand their calculating abilities. There are over 145 worked examples; virtually all of the standard problems are included.