

Electric Machinery Fundamentals Chapman 4th Edition

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Recent Developments of Electrical Drives Slawomir Wiak
2007-06-08 This book presents papers covering a wide spectrum of theory and practice, deeply rooted in engineering problems at a high practical and theoretical level. The contents explore theory, control systems and applications, the heart of the matter in electrical drives.

Workshop Processes, Practices and Materials Bruce Black
2010-10-28 Workshop Processes, Practices and Materials is an ideal introduction to workshop processes, practices and materials for entry-level engineers and workshop technicians. With detailed illustrations throughout and simple, clear language, this is a practical introduction to what can be a very complex subject. It has been significantly updated and revised to include new material on adhesives, protective coatings, plastics and current Health and Safety legislation. It covers all the standard topics, including safe practices, measuring equipment, hand and machine tools, materials and joining methods, making it an indispensable handbook for use both in class and the workshop. Its broad coverage makes it a useful reference book for many different courses worldwide.

Electric Machinery Fundamentals Stephen Chapman

2004-01-07 Electric Machinery Fundamentals continues to be a best-selling machinery text due to its accessible, student-friendly coverage of the important topics in the field. Chapman's clear writing persists in being one of the top features of the book. Although not a book on MATLAB, the use of MATLAB has been enhanced in the fourth edition. Chapman has also added some new applications, as well as many new problems have been added. Electric Machinery Fundamentals is also accompanied by a website the provides solutions for instructors, as well as source code, MATLAB tools, and links to important sites for students.

Principles of Power System VK Mehta & Rohit Mehta 2005
The subject of power systems has assumed considerable importance in recent years and growing demand for a compact work has resulted in this book. A new chapter has been added on Neutral Grounding.

Dynamic Simulation of Electric Machinery Chee-Mun Ong
1998 This book and its accompanying CD-ROM offer a complete treatment from background theory and models to implementation and verification techniques for simulations and linear analysis of frequently studied machine systems. Every chapter of Dynamic Simulation of Electric Machinery includes exercises and projects that can be explored using the accompanying software. A full

chapter is devoted to the use of MATLAB and SIMULINK, and an appendix provides a convenient overview of key numerical methods used. Dynamic Simulation of Electric Machinery provides professional engineers and students with a complete toolkit for modeling and analyzing power systems on their desktop computers.

MATLAB Programming for Engineers Stephen J. Chapman
2015-05-08 Emphasizing problem-solving skills throughout, this fifth edition of Chapman's highly successful book teaches MATLAB as a technical programming language, showing students how to write clean, efficient, and well-documented programs, while introducing them to many of the practical functions of MATLAB. The first eight chapters are designed to serve as the text for an Introduction to Programming / Problem Solving course for first-year engineering students. The remaining chapters, which cover advanced topics such as I/O, object-oriented programming, and Graphical User Interfaces, may be covered in a longer course or used as a reference by engineering students or practicing engineers who use MATLAB. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Electrical Machines and Drives Jan A. Melkebeek
2018-01-20 This book aims to offer a thorough study and reference textbook on electrical machines and drives. The basic idea is to start from the pure electromagnetic principles to derive the equivalent circuits and steady-state equations of the most common electrical machines (in the first parts). Although the book mainly concentrates on rotating field machines, the first two chapters are devoted to transformers and DC commutator machines. The chapter on transformers is included as an introduction to induction and synchronous machines, their electromagnetics and equivalent circuits. Chapters three and four offer an in-depth study of induction and synchronous machines, respectively. Starting from their electromagnetics, steady-state equations and equivalent circuits are derived, from which their basic properties can be deduced. The second part discusses the main

power-electronic supplies for electrical drives, for example rectifiers, choppers, cycloconverters and inverters. Much attention is paid to PWM techniques for inverters and the resulting harmonic content in the output waveform. In the third part, electrical drives are discussed, combining the traditional (rotating field and DC commutator) electrical machines treated in the first part and the power electronics of part two. Field orientation of induction and synchronous machines are discussed in detail, as well as direct torque control. In addition, also switched reluctance machines and stepping motors are discussed in the last chapters. Finally, part 4 is devoted to the dynamics of traditional electrical machines. Also for the dynamics of induction and synchronous machine drives, the electromagnetics are used as the starting point to derive the dynamic models. Throughout part 4, much attention is paid to the derivation of analytical models. But, of course, the basic dynamic properties and probable causes of instability of induction and synchronous machine drives are discussed in detail as well, with the derived models for stability in the small as starting point. In addition to the study of the stability in the small, a chapter is devoted to large-scale dynamics as well (e.g. sudden short-circuit of synchronous machines). The textbook is used as the course text for the Bachelor's and Master's programme in electrical and mechanical engineering at the Faculty of Engineering and Architecture of Ghent University. Parts 1 and 2 are taught in the basic course 'Fundamentals of Electric Drives' in the third bachelor. Part 3 is used for the course 'Controlled Electrical Drives' in the first master, while Part 4 is used in the specialised master on electrical energy.

Electrical Machines Turan Gönen 1998-01-01
Handbook of Electric Power Calculations H. Wayne Beaty
2000-10-18 A bestselling calculations handbook that offers electric power engineers and technicians essential, step-by-step procedures for solving a wide array of electric power problems. This edition

introduces a complete electronic book on CD-ROM with over 100 live calculations--90% of the book's calculations. Updated to reflect the new National Electric Code advances in transformer and motors; and the new system design and operating procedures in the electric utility industry prompted by deregulation.

Basic Electrical Engineering Dr. Ramana Pilla Dr. H D Mehta This book is designed based on revised syllabus of Gujarat Technological University, Gujarat (AICTE model curriculum) for under-graduate (B.Tech/BE) students of all branches, those who study Basic Electrical Engineering as one of the subject in their curriculum. The primary goal of this book is to establish a firm understanding of the basic laws of Electric Circuits, Network Theorems, Resonance, Three-phase circuits, Transformers, Electrical Machines and Electrical Installation.

Electromechanical Systems, Electric Machines, and

Applied Mechatronics Sergey Edward Lyshevski 1999-10-27

Recent trends in engineering show increased emphasis on integrated analysis, design, and control of advanced electromechanical systems, and their scope continues to expand. Mechatronics—a breakthrough concept—has evolved to attack, integrate, and solve a variety of emerging problems in engineering, and there appears to be no end to its application. It has become essential for all engineers to understand its basic theoretical standpoints and practical applications.

Electromechanical Systems, Electric Machines, and Applied Mechatronics presents a unique combination of traditional engineering topics and the latest technologies, integrated to stimulate new advances in the analysis and design of state-of-the-art electromechanical systems. With a focus on numerical and analytical methods, the author develops the rigorous theory of electromechanical systems and helps build problem-solving skills. He also stresses simulation as a critical aspect of developing and prototyping advanced systems. He uses the MATLABTM environment for his examples and includes a MATLABTM diskette with the book,

thus providing a solid introduction to this standard engineering tool. Readable, interesting, and accessible, Electromechanical Systems, Electric Machines, and Applied Mechatronics develops a thorough understanding of the integrated perspectives in the design and analysis of electromechanical systems. It covers the basic concepts in mechatronics, and with numerous worked examples, prepares the reader to use the results in engineering practice. Readers who master this book will know what they are doing, why they are doing it, and how to do it.

MATLAB Programming for Engineers Stephen J. Chapman 2007

Emphasizing problem-solving skills throughout this very successful book, Stephen Chapman introduces the MATLAB[®] language and shows how to use it to solve typical technical problems. The book teaches MATLAB[®] as a technical programming language showing students how to write clean, efficient, and well-documented programs. It makes no pretense at being a complete description of all of MATLAB[®]'s hundreds of functions. Instead, it teaches students how to locate any desired function with MATLAB[®]'s extensive on line help facilities. Overall, students develop problem-solving skills and are equipped for future courses and careers using the power of MATLAB[®].

Structural Analysis-II, 4th Edition S.S. Bhavikatti

Structural analysis, or the 'theory of structures', is an important subject for civil engineering students who are required to analyse and design structures. It is a vast field and is largely taught at the undergraduate level. A few topics like matrix method and plastic analysis are also taught at the postgraduate level and in Structural Engineering electives. The entire course has been covered in two volumes—Structural Analysis-I and II. Structural Analysis-II deals in depth with the analysis of indeterminate structures, and also special topics like curved beams and unsymmetrical bending. It provides an introduction to advanced methods of analysis, namely, matrix method and plastic analysis.

SALIENT FEATURES □ Systematic explanation of concepts

and underlying theory in each chapter ☐ Numerous solved problems presented methodically ☐ University examination questions solved in many chapters ☐ A set of exercises to test the student's ability in solving them correctly
NEW IN THE FOURTH EDITION ☐ Thoroughly reworked computations ☐ Objective type questions and review questions ☐ A revamped summary for each chapter ☐ Redrawing of some diagrams

Fitzgerald & Kingsley's Electric Machinery Stephen D. Umans 2013-04-01 This seventh edition of Fitzgerald and Kingsley's Electric Machinery by Stephen Umans was developed recognizing the strength of this classic text since its first edition has been the emphasis on building an understanding of the fundamental physical principles underlying the performance of electric machines. Much has changed since the publication of the first edition, yet the basic physical principles remain the same, and this seventh edition is intended to retain the focus on these principles in the context of today's technology.

Numerical Techniques in Electromagnetics, Second Edition Matthew N.O. Sadiku 2000-07-12 As the availability of powerful computer resources has grown over the last three decades, the art of computation of electromagnetic (EM) problems has also grown - exponentially. Despite this dramatic growth, however, the EM community lacked a comprehensive text on the computational techniques used to solve EM problems. The first edition of Numerical Techniques in Electromagnetics filled that gap and became the reference of choice for thousands of engineers, researchers, and students. The Second Edition of this bestselling text reflects the continuing increase in awareness and use of numerical techniques and incorporates advances and refinements made in recent years. Most notable among these are the improvements made to the standard algorithm for the finite difference time domain (FDTD) method and treatment of absorbing boundary conditions in FDTD, finite element, and transmission-line-matrix methods. The author also added a chapter on the method of lines. Numerical Techniques

in Electromagnetics continues to teach readers how to pose, numerically analyze, and solve EM problems, give them the ability to expand their problem-solving skills using a variety of methods, and prepare them for research in electromagnetism. Now the Second Edition goes even further toward providing a comprehensive resource that addresses all of the most useful computation methods for EM problems.

Electrical Machines & their Applications J. Hindmarsh 2014-06-28 A self-contained, comprehensive and unified treatment of electrical machines, including consideration of their control characteristics in both conventional and semiconductor switched circuits. This new edition has been expanded and updated to include material which reflects current thinking and practice. All references have been updated to conform to the latest national (BS) and international (IEC) recommendations and a new appendix has been added which deals more fully with the theory of permanent-magnets, recognising the growing importance of permanent-magnet machines. The text is so arranged that selections can be made from it to give a short course for non-specialists, while the book as a whole will prepare students for more advanced studies in power systems, control systems, electrical machine design and general industrial applications. Includes numerous worked examples and tutorial problems with answers.

Electrical Machines, Drives, and Power Systems Theodore Wildi 2006 The HVDC Light[trademark] method of transmitting electric power. Introduces students to an important new way of carrying power to remote locations. Revised, reformatted Instructor's Manual. Provides instructors with a tool that is much easier to read. Clear, practical approach.

Machining and CNC Technology with Student Resource DVD Michael Fitzpatrick 2013-02-19 Machining and CNC Technology, Third Edition, by Michael Fitzpatrick, will provide the latest approach to machine tool technology available. Students will learn basic modern integrated manufacturing, CNC systems, CAD/CAM and advanced

technologies, and how to safely set up and run both CNC and manually operated machines. This is a how-to-do-it text.

Power Electronics Daniel W. Hart 2011 Power Electronics is intended to be an introductory text in power electronics, primarily for the undergraduate electrical engineering student. The text is written for some flexibility in the order of the topics. Much of the text includes computer simulation using PSpice as a supplement to analytical circuit solution techniques.

Modeling and Adaptive Nonlinear Control of Electric

Motors Farshad Khorrani 2003-05-21 In this book, modeling and control design of electric motors, namely step motors, brushless DC motors and induction motors, are considered. The book focuses on recent advances on feedback control designs for various types of electric motors, with a slight emphasis on stepper motors. For this purpose, the authors explore modeling of these devices to the extent needed to provide a high-performance controller, but at the same time one amenable to model-based nonlinear designs. The control designs focus primarily on recent robust adaptive nonlinear controllers to attain high performance. It is shown that the adaptive robust nonlinear controller on its own achieves reasonably good performance without requiring the exact knowledge of motor parameters. While carefully tuned classical controllers often achieve required performance in many applications, it is hoped that the advocated robust and adaptive designs will lead to standard universal controllers with minimal need for fine tuning of control parameters.

Electronic Properties of Materials Rolf E. Hummel 2004-09-23 This carefully revised third edition on the electrical, optical, magnetic, and thermal properties of materials stresses concepts rather than mathematical formalism. Many examples from engineering practice provide an understanding of common devices and methods.

Thyristor-Based FACTS Controllers for Electrical Transmission Systems R. Mohan Mathur 2002-02-27 An important new resource for the international utility

market Over the past two decades, static reactive power compensators have evolved into a mature technology and become an integral part of modern electrical power systems. They are one of the key devices in flexible AC transmission systems (FACTS). Coordination of static compensators with other controllable FACTS devices promises not only tremendously enhanced power system controllability, but also the extension of power transfer capability of existing transmission corridors to near their thermal capacities, thus delaying or even curtailing the need to invest in new transmission facilities. Offering both an in-depth presentation of theoretical concepts and practical applications pertaining to these power compensators, *Thyristor-Based FACTS Controllers for Electrical Transmission Systems* fills the need for an appropriate text on this emerging technology. Replete with examples and case studies on control design and performance, the book provides an important resource for both students and engineers working in the field.

Numerical Modelling and Design of Electrical Machines and Devices

Kay Hameyer 1999-05-21 This text provides an overview of numerical field computational methods and, in particular, of the finite element method (FEM) in magnetics. Detailed attention is paid to the practical use of the FEM in designing electromagnetic devices such as motors, transformers and actuators. Based on the authors' extensive experience of teaching numerical techniques to students and design engineers, the book is ideal for use as a text at undergraduate and graduate level, or as a primer for practising engineers who wish to learn the fundamentals and immediately apply these to actual design problems. Contents: Introduction; Computer Aided Design in Magnetics; Electromagnetic Fields; Potentials and Formulations; Field Computation and Numerical Techniques; Coupled Field Problems; Numerical Optimisation; Linear System Equation Solvers; Modelling of Electrostatic and Magnetic Devices; Examples of Computed Models.

Analysis of Electrical Machines Valeria Hrabovcova

2020-05-20 This book is devoted to students, PhD students, postgraduates of electrical engineering, researchers, and scientists dealing with the analysis, design, and optimization of electrical machine properties. The purpose is to present methods used for the analysis of transients and steady-state conditions. In three chapters the following methods are presented: (1) a method in which the parameters (resistances and inductances) are calculated on the basis of geometrical dimensions and material properties made in the design process, (2) a method of general theory of electrical machines, in which the transients are investigated in two perpendicular axes, and (3) FEM, which is a mathematical method applied to electrical machines to investigate many of their properties.

Electric Machines Gordon R. Slemon 1980

Introduction to Food Engineering R. Paul Singh

2001-06-29 Food engineering is a required class in food science programs, as outlined by the Institute for Food Technologists (IFT). The concepts and applications are also required for professionals in food processing and manufacturing to attain the highest standards of food safety and quality. The third edition of this successful textbook succinctly presents the engineering concepts and unit operations used in food processing, in a unique blend of principles with applications. The authors use their many years of teaching to present food engineering concepts in a logical progression that covers the standard course curriculum. Each chapter describes the application of a particular principle followed by the quantitative relationships that define the related processes, solved examples, and problems to test understanding. The subjects the authors have selected to illustrate engineering principles demonstrate the relationship of engineering to the chemistry, microbiology, nutrition and processing of foods. Topics incorporate both traditional and contemporary food processing operations.

Electric Machinery and Transformers Bhag S. Guru 1995

For this revision of their bestselling junior- and

senior-level text, Guru and Hiziroglu have incorporated eleven years of cutting-edge developments in the field since *Electric Machinery and Transformers* was first published. Completely re-written, the new Second Edition also incorporates suggestions from students and instructors who have used the First Edition, making it the best text available for junior- and senior-level courses in electric machines. The new edition features a wealth of new and improved problems and examples, designed to complement the authors' overall goal of encouraging intuitive reasoning rather than rote memorization of material. Chapter 3, which presents the conversion of energy, now includes: analysis of magnetically coupled coils, induced emf in a coil rotating in a uniform magnetic field, induced emf in a coil rotating in a time-varying magnetic field, and the concept of the revolving field. All problems and examples have been rigorously tested using Mathcad.

Structural Engineer's Pocket Book Fiona Cobb 2004 Until now there has been no comprehensive pocket reference guide for professional and student structural engineers. The *Structural Engineers Pocket Book* is a unique compilation of all table, data, facts, formulae and rules of thumb needed for scheme design by structural engineers in the office, in transit or on site. By bringing together data from many sources, this pocket book is a compact source of job-simplifying information at an affordable price. It is a first point of reference as well as saving valuable time spent trying to track down information that is needed on a daily basis. This may be a small book in terms of its physical dimensions, but it contains a wealth of useful engineering knowledge. Concise and precise, the book is split into 13 sections, with quick and clear access to subject areas including: timber, masonry, concrete, aluminium and glass. British Standards are used and referenced throughout. *the only book of its kind for structural engineers. *brings together information from many different sources for the first time. *comprehensive, yet concise and affordable.

Electrical Machines with MATLAB®, Second Edition Turan Gonen 2011-11-16 *Electrical Machines with MATLAB®* encapsulates the invaluable insight and experience that eminent instructor Turan Gonen has acquired in almost 40 years of teaching. With simple, versatile content that separates it from other texts on electrical machines, this book is an ideal self-study tool for advanced students in electrical and other areas of engineering. In response to the often inadequate, rushed coverage of fundamentals in most basic circuit analysis books and courses, this resource is intelligently designed, easy to read, and packed with in-depth information on crucial concepts. Topics include three-phase circuits, power measurement in AC circuits, magnetic circuits, transformers, and induction, synchronous, and direct-current machines. The book starts by reviewing more basic concepts, with numerous examples to clarify their application. It then explores new "buzzword" topics and developments in the area of electrical machine applications and electric power systems, including: Renewable energy Wind energy and related conversion Solar energy Energy storage The smart grid Using International Systems (IS) units throughout, this cross-disciplinary design guide delves into commonly used vocabulary and symbols associated with electrical machinery. Several new appendices contain tools such as an extensive glossary to explain important terms. Outlining a wide range of information—and the many different ways to apply it—this book is an invaluable, multifunctional resource for students and professors, as well as practicing professionals looking to refresh and update their knowledge.

Analysis of Electric Machinery and Drive Systems Paul C. Krause 2013-06-17 Introducing a new edition of the popular reference on machine analysis Now in a fully revised and expanded edition, this widely used reference on machine analysis boasts many changes designed to address the varied needs of engineers in the electric machinery, electric drives, and electric power industries. The authors draw on their own extensive

research efforts, bringing all topics up to date and outlining a variety of new approaches they have developed over the past decade. Focusing on reference frame theory that has been at the core of this work since the first edition, this volume goes a step further, introducing new material relevant to machine design along with numerous techniques for making the derivation of equations more direct and easy to use. Coverage includes: Completely new chapters on winding functions and machine design that add a significant dimension not found in any other text A new formulation of machine equations for improving analysis and modeling of machines coupled to power electronic circuits Simplified techniques throughout, from the derivation of torque equations and synchronous machine analysis to the analysis of unbalanced operation A unique generalized approach to machine parameters identification A first-rate resource for engineers wishing to master cutting-edge techniques for machine analysis, *Analysis of Electric Machinery and Drive Systems* is also a highly useful guide for students in the field.

Electric Machinery Fundamentals Stephen J. Chapman 1985 *Electric Machinery Fundamentals* continues to be a classic machinery text due to its accessible, student-friendly coverage of the important topics in the field. Chapman's clear writing persists in being one of the top features of the book. In the fourth edition, the use of MATLAB has been enhanced. MATLAB is incorporated in examples and problems where applicable. In addition, more than 70% of the problems are either new or modified. Book jacket.

Sustainable Automotive Technologies 2012 Aleksandar Subic 2012-03-02 The book on Sustainable Automotive Technologies aims to draw special attention to the research and practice focused on new technologies and approaches capable of meeting the challenges to sustainable mobility. In particular, the book features incremental and radical technical advancements that are able to meet social, economic and environmental targets in both local and global contexts. These include

original solutions to the problems of pollution and congestion, vehicle and public safety, sustainable vehicle design and manufacture, new structures and materials, new power-train technologies and vehicle concepts. In addition to vehicle technologies, the book is also concerned with the broader systemic issues such as sustainable supply chain systems, integrated logistics and telematics, and end-of-life vehicle management. It captures selected peer reviewed papers accepted for presentation at the 4th International Conference on Sustainable Automotive Technologies, ICSAT2012, held at the RMIT, Melbourne, Australia.

Electric Machinery Fundamentals Stephen J. Chapman 2005

Electric Machinery Fundamentals continues to be a best-selling machinery text due to its accessible, student-friendly coverage of the important topics in the field. Chapman's clear writing persists in being one of the top features of the book. Although not a book on MATLAB, the use of MATLAB has been enhanced in the fourth edition. Additionally, many new problems have been added and remaining ones modified. *Electric Machinery Fundamentals* is also accompanied by a website that provides solutions for instructors, as well as source code, MATLAB tools, and links to important sites for students.

Electric Machines Ion Boldea 2009-11-24 Ubiquitous in daily life, electric motors/generators are used in a wide variety of applications, from home appliances to internal combustion engines to hybrid electric cars. They produce electric energy in all electric power plants as generators and motion control that is necessary in all industries to increase productivity, save energy, and reduce pollution. With its comprehensive coverage of the state of the art, *Electric Machines: Steady State, Transients, and Design with MATLAB®* addresses the modeling, design, testing, and manufacture of electric machines to generate electricity, or in constant or variable-speed motors for motion control. Organized into three stand-alone sections—Steady State, Transients, and FEM Analysis and

Optimal Design—the text provides complete treatment of electric machines. It also: Explores international units Contains solved and proposed numerical examples throughout Guides students from simple to more complex math models Offers a wealth of problems with hints The book contains numerous computer simulation programs in MATLAB and Simulink®, available on an accompanying downloadable resources, to help readers make a quantitative assessment of various parameters and performance indices of electric machines. Skillfully unifying symbols throughout the book, the authors present a great deal of invaluable practical laboratory work that has been classroom-tested in progressively modified forms. This textbook presents expressions of parameters, modeling, and characteristics that are directly and readily applicable for industrial R&D in fields associated with electric machines industry for modern (distributed) power systems and industrial motion control via power electronics.

Electric Vehicle Machines and Drives K. T. Chau 2015-08-24 A timely comprehensive reference consolidates the research and development of electric vehicle machines and drives for electric and hybrid propulsions

- Focuses on electric vehicle machines and drives
- Covers the major technologies in the area including fundamental concepts and applications
- Emphasis the design criteria, performance analyses and application examples or potentials of various motor drives and machine systems
- Accompanying website includes the simulation models and outcomes as supplementary material

Electrical Machines Samarjit Ghosh 2005-09

Soil Mechanics R. F. Craig 2013-12-20 This book is intended primarily to serve the needs of the undergraduate civil engineering student and aims at the clear explanation, in adequate depth, of the fundamental principles of soil mechanics. The understanding of these principles is considered to be an essential foundation upon which future practical experience in soils engineering can be built. The choice of material involves an element of personal opinion but the contents

of this book should cover the requirements of most undergraduate courses to honours level. It is assumed that the student has no prior knowledge of the subject but has a good understanding of basic mechanics. The book includes a comprehensive range of worked examples and problems set for solution by the student to consolidate understanding of the fundamental principles and illustrate their application in simple practical situations. The International System of Units is used throughout the book. A list of references is included at the end of each chapter as an aid to the more advanced study of any particular topic. It is intended also that the book will serve as a useful source of reference for the practising engineer. In the third edition no changes have been made to the aims of the book. Except for the order of two chapters being interchanged and for minor changes in the order of material in the chapter on consolidation theory, the basic structure of the book is unaltered.

Electric Motor Handbook E. H. Werninck 1978

Electrical Machines-I P.S. Bimbhra, G.C. Garg This book is written so that it serves as a text book for

B.E./B.Tech degree students in general and for the institutions where AICTE model curriculum has been adopted. TOPICS COVERED IN THIS BOOK:- Magnetic field and Magnetic circuit Electromagnetic force and torque D.C. Machines D.C. Machines-Motoring and Generation SALIENT FEATURES:- Self-contained, self-explanatory and simple to follow text. Numerous worked out examples. Well Explained theory parts with illustrations. Exercises, objective type question with answers at the end of each chapter.
Electric Machinery and Power System Fundamentals Stephen J. Chapman 2002 This book is intended for a course that combines machinery and power systems into one semester. It is designed to be flexible and to allow instructors to choose chapters a la carte, so the instructor controls the emphasis. The text gives students the information they need to become real-world engineers, focusing on principles and teaching how to use information as opposed to doing a lot of calculations that would rarely be done by a practising engineer. The author compresses the material by focusing on its essence, underlying principles. MATLAB is used throughout the book in examples and problems.