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Electrical Machines
Electrical Machines-I
Mechanics of Machinery
Switchgear and Protection
Including D.C. & A.C. Machines and Polyphase Circuits in S.I. Units
Basic Electrical Engineering (Be 104)
International Conference on Mechanism Science and Control Engineering (MSCE 2014)
Civil Engineering
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Mechanical Vibrations: Theory and Applications
A Course In Electrical Technology (For Degree) (13th Edition)
Energy Processing and Smart Grid
Principles of Electrical Machines

Mathematics for Electrical Engineering and Computing
Basic Analog Electronics
Numerical Modelling and Design of Electrical Machines and Devices
A Course in Electrical Power
Utilisation of Electrical Power
Theory and Performance of Electrical Machines
Power System Analysis
An Integrated Course In Electrical Engineering (3rd Edition)
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A Course In Power Systems
Electrical Technology

A Textbook Of Electrical Machines
Processes and Applications
Indian Books in Print
Generation of Electrical Energy, 7th Edition
Electrical Machines
Theory & Performance Of Electrical Machines

SCHWARTZ EMILIANO

Electrical Machines John Wiley & Sons
In the present edition,authors have made sincere efforts to make the book up-to-date.A noteable feature is the inclusion of two chapters on Power System.It is hoped that this edition will serve the readers in a more useful way.
Electrical Machines-I CRC Press
The first book in the field to incorporate fundamentals of energy systems and their applications to smart grid, along with advanced topics in modeling and control This book provides an overview of how multiple sources and loads are connected via power electronic devices. Issues of storage technologies are discussed, and a comparison summary is given to facilitate the design and selection of storage types. The need for real-time measurement and controls are pertinent in future grid, and this book

dedicates several chapters to real-time measurements such as PMU, smart meters, communication scheme, and protocol and standards for processing and controls of energy options. Organized into nine sections, Energy Processing for the Smart Grid gives an introduction to the energy processing concepts/topics needed by students in electrical engineering or non-electrical engineering who need to work in areas of future grid development. It covers such modern topics as renewable energy, storage technologies, inverter and converter, power electronics, and metering and control for microgrid systems. In addition, this text: Provides the interface between the classical machines courses with current trends in energy processing and smart grid Details an understanding of three-phase networks, which is needed to determine voltages, currents, and power from source to sink under different load models and network configurations Introduces different energy sources including renewable and non-renewable energy resources with appropriate modeling characteristics and performance measures Covers the conversion and processing of these resources to meet different DC and AC load requirements Provides an overview and a case study of how multiple sources and loads are connected via power electronic devices Benefits most policy makers, students and manufacturing and practicing engineers, given the new trends in energy revolution and the desire to reduce carbon output Energy

Processing for the Smart Grid is a helpful text for undergraduates and first year graduate students in a typical engineering program who have already taken network analysis and electromagnetic courses.

Mechanics of Machinery John Wiley & Sons

Offers key concepts of electrical machines embedded with solved examples, review questions, illustrations and open book questions.

Switchgear and Protection Theory and Performance of Electrical MachinesDC Machines and AC Machines for B. Sc. (Engineering) ; B. Tech. ; B.E ; A.M.I.E. (India) ...Theory & Performance Of Electrical MachinesTheory and Performance of Electrical MachinesIncluding D.C. & A.C. Machines and Polyphase Circuits in S.I. UnitsElectrical Machines (Uptu)An Integrated Course In Electrical Engineering (3rd Edition)

This is a single-volume book on 'electrical machines' that teaches the subject precisely and yet with amazing clarity. The extent has been kept in control so that the entire subject can be covered by students within the limited time of the semesters. Thus, they will not have to consult multiple books anymore. The discussions of concepts include the modern trends used in industry, like efficient transformers, efficient induction motors, DC drives, and the problems related to them.

Including D.C. & A.C. Machines and Polyphase Circuits in S.I. Units Cengage Learning

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Basic Electrical Engineering (Be 104) Cambridge University Press

This book is designed based on revised syllabus of JNTU, Hyderabad (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.

International Conference on Mechanism Science and Control Engineering (MSCE 2014) Tata McGraw-Hill Education

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.

Civil Engineering KHANNA PUBLISHING HOUSE

Mechanical Vibrations: Theory and Applications takes an applications-based approach at teaching students to apply previously learned engineering principles while laying a foundation for engineering design. This text provides a brief review of the principles of dynamics so that terminology and notation are consistent and applies these principles to derive mathematical models of dynamic mechanical systems. The methods of application of these principles are consistent with popular Dynamics texts. Numerous pedagogical features have been included in the text in order to aid the student with comprehension and retention. These include the development of three benchmark problems which are revisited in each chapter, creating a coherent chain linking all chapters in the book. Also included are learning outcomes, summaries of key concepts including

important equations and formulae, fully solved examples with an emphasis on real world examples, as well as an extensive exercise set including objective-type questions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Advanced Electrical and Electronics Materials SK Kataria and sons

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-explantary 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.

Power Electronics CBS Publishers & Distributors Pvt Limited, India

Mechanics of Machinery describes the analysis of machines, covering both the graphical and analytical methods for examining the kinematics and dynamics of mechanisms with low and high pairs. This text, developed and updated from a version published in 1973, includes analytical analysis for all topics discussed, allowing for the use of math software

Mechanical Vibrations: Theory and Applications Seagull Books Pvt Ltd

This volume includes some of the key research papers in the area of machine learning produced at MIT and Siemens during a three-year joint research effort. It includes papers on many different styles of machine learning, organized into three parts. Part I, theory, includes three papers on theoretical aspects of machine learning. The first two use the theory of computational complexity to derive some fundamental limits on what isefficiently learnable. The third provides an efficient algorithm for identifying finite automata. Part II, artificial intelligence and symbolic learning methods, includes five papers giving an overview of the state of the art and future developments in the field of machine learning, a subfield of artificial intelligence dealing with automated knowledge acquisition and knowledge revision. Part III, neural and collective computation, includes five papers sampling the theoretical diversity and trends in the vigorous new research field of neural networks: massively parallel symbolic induction, task decomposition through competition, phoneme discrimination, behavior-based learning, and self-repairing neural networks.

A Course In Electrical Technology (For Degree) (13th Edition) Vikas Publishing House

Mathematics for Electrical Engineering and Computing embraces many applications of modern mathematics, such as Boolean Algebra and Sets and Functions, and also teaches both discrete and continuous systems - particularly vital for Digital Signal

Processing (DSP). In addition, as most modern engineers are required to study software, material suitable for Software Engineering - set theory, predicate and prepositional calculus, language and graph theory - is fully integrated into the book. Excessive technical detail and language are avoided, recognising that the real requirement for practising engineers is the need to understand the applications of mathematics in everyday engineering contexts. Emphasis is given to an appreciation of the fundamental concepts behind the mathematics, for problem solving and undertaking critical analysis of results, whether using a calculator or a computer. The text is backed up by numerous exercises and worked examples throughout, firmly rooted in engineering practice, ensuring that all mathematical theory introduced is directly relevant to real-world engineering. The book includes introductions to advanced topics such as Fourier analysis, vector calculus and random processes, also making this a suitable introductory text for second year undergraduates of electrical, electronic and computer engineering, undertaking engineering mathematics courses. Dr Attenborough is a former Senior Lecturer in the School of Electrical, Electronic and Information Engineering at South Bank University. She is currently Technical Director of The Webbery - Internet development company, Co. Donegal, Ireland. Fundamental principles of mathematics introduced and applied in engineering practice, reinforced through over 300

examples directly relevant to real-world engineering

Energy Processing and Smart Grid DEStech Publications, Inc

Generation of Electrical Energy is written primarily for the undergraduate students of electrical engineering while also covering the syllabus of AMIE and act as a refresher for the professionals in the field. The subject itself is now rejuvenated with important new developments. With this in view, the book covers conventional topics like load curves, steam generation, hydro-generation parallel operation as well as new topics like new sources of energy generation, hydrothermal coordination, static reserve reliability evaluation among others.

Principles of Electrical Machines S. Chand Publishing

It is gratifying to note that the book has very widespread acceptance by faculty and students throughout the country.n the revised edition some new topics have been added.Additional solved examples have also been added.The data of transmission system in India has been updated.

Mathematics for Electrical Engineering and Computing BoD – Books on Demand

The aim of MSCE 2014 is to provide a platform for researchers, engineers, and academicians, as well as industrial professionals, to present their research results and development activities in mechanism science and control engineering. It provides opportunities for the delegates to exchange new ideas

and application experiences, to establish business or research relations and to find global partners for future collaboration. MSCE2014 is conducted to all the researchers, engineers, industrial professionals and academicians, who are broadly welcomed to present their latest research results, academic developments or theory practice. Topics of interest include but are not limited to Mechanism theory and Application, Mechanical control and Automation Engineering, Mechanical Dynamics, Materials Processing and Control, Instruments and Vibration Control. It is of great pleasure to see the delegates exchanging ideas and establishing sound relationships on the conference.

Basic Analog Electronics WIT Press

While writing the book,we have continuously kept in mind the examination requirments of the students preparing for U.P.S.C.(Engg. Services)and A.M.I.E.(I)examinations.In order to make this volume more useful for them,complete solutions of their examination papers up to 1975 have also been included.Every care has been taken to make this treatise as self-explanatory as possible.The subject matter has been amply illustrated by incorporating a good number of solved,unsolved and well graded examples of almost every variety.

Numerical Modelling and Design of Electrical Machines and Devices Tata McGraw-Hill Education

The present multicolor edition has been throughly revised and brought up-to-date.Multicolor pictures have been

added to enhance the content value and to give the students an idea of what he will be dealing in reality,and to bridge the gap between theory and practice.this book ahs already been include in the 'suggested reading'for the A.M.I.E.(India)examinations.

A Course in Electrical Power S. Chand Publishing

This edition has been thoroughly revised and enlarged. It is still considered to be a must for all those sitting Civil Engineering examinations.

Utilisation of Electrical Power S. Chand Publishing

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.

Theory and Performance of Electrical Machines Firewall Media

For over 15 years "Principles of Electrical Machines is an ideal text for students

who look to gain a current and clear understanding of the subject as all theories and concepts are explained with lucidity and clarity. Succinctly divided in 14 chapters, the book delves into important concepts of the subject which include Armature Reaction and Commutation, Single-phase Motors, Three-phase Induction motors, Synchronous Motors, Transformers and Alternators with the help of numerous figures and supporting chapter-end questions for retention.

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