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Fundamentals of Electric Machines
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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.

Basic Electrical Engineering Tata McGraw-Hill Education

Digital Signal Processing: A Computer-Based Approach is intended for a two-semester course on digital signal processing for seniors or first-year graduate students. Based on user

feedback, a number of new topics have been added to the third edition, while some excess topics from the second edition have been removed. The author has taken great care to organize the chapters more logically by reordering the sections within chapters. More worked-out examples have also been included. The book contains more than 500 problems and 150 MATLAB exercises. New topics in the third edition include: short-time characterization of discrete-time signals, expanded coverage of discrete-time Fourier transform and discrete Fourier transform, prime factor algorithm for DFT computation, sliding DFT, zoom FFT, chirp Fourier transform, expanded coverage of z-transform, group delay equalization of IIR digital filters, design

of computationally efficient FIR digital filters, semi-symbolic analysis of digital filter structures, spline interpolation, spectral factorization, discrete wavelet transform.

Elasticity Springer Science & Business Media

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.

A Computer Based Approach Vikas

Publishing House

About the Book: Electrical power system together with Generation, Distribution and utilization of Electrical Energy by the same author cover almost six to seven courses offered by various universities under Electrical and Electronics Engineering curriculum. Also, this combination has proved highly successful for writing competitive examinations viz. UPSC, NTPC, National Power Grid, NHPC, etc.

Electrical Machines-I S. Chand Publishing

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.

Autodesk Official Press CRC Press

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.

Networks and Systems KHANNA
PUBLISHING HOUSE

Offers an entertaining introduction to the physics of electricity.

Design Fundamentals S. Chand

Publishing

This sigma Series book on Electric Machines deals with the fundamentals of the subject through problem solving technique and provides innumerable solved, unsolved problems along with review and objective type questions. Features Complete coverage of fundamentals of electrical machines. Emphasis is placed on the basic concepts, theorems, and problem-solving techniques. Each chapter begins with brief theoretical explanation needed for solving the related problems. 1640 problems given in the book.

Electrical Power System Laxmi
Publications, Ltd.

Any good text book, particularly that in the fast changing fields such as engineering & technology, is not only

expected to cater to the current curricular requirements of various institutions but also should provide a glimpse towards the latest developments in the concerned subject and the relevant disciplines. It should guide the periodic review and updating of the curriculum.

Mastering Autodesk Revit Architecture 2016 Pearson Education India

"With new examples and the incorporation of MATLAB problems, the fourth edition gives comprehensive coverage of topics not found in any other texts." (Midwest).

Electric and Hybrid Vehicles Tata McGraw-Hill Education

This comprehensive book is designed both for postgraduate students in power systems/energy systems engineering

and a one-year course for senior undergraduate students of electrical engineering pursuing courses on power systems. The text gives a systematic exposition of topics such as modelling of power system components, load flow, automatic load frequency control, economic operation, voltage control and stability, study of faulted power systems, and optimal power flow. Besides giving a detailed discussion on the basic principles and practices, the text provides computer-based examples to illustrate the topics discussed. What makes the text unique is that it deals with the practice of computer for power system operation and control. This book also brings together the diverse aspects of power system operation and control and is a practical hands-on guide to

theoretical developments and to the application of advanced methods in solving operational and control problems of electric power systems. The book should therefore be of immense benefit to the industry professionals and researchers as well.

Principles of Electrical Engineering S.
Chand Publishing

This Book Presents A Comprehensive Exposition Of The Theory, Performance And Analysis Of Electric Machines. Transformers Alongwith Other Machines Including Ac And Dc, Synchronous, 3 Phase And Single Phase Induction, Commutator, Special Machines And Solid State Control Have All Been Explained In A Simple And Friendly Style. A Balance Between The Mathematical And The Qualitative Aspects Has Been Kept

Throughout The Book.A Large Variety Of Solved Examples Are Included To Illustrate The Basic Concepts And Techniques. Unsolved Problems And Objective Questions Have Also Been Presented At The End Of Each Chapter.The Third Edition Also Includes :

- * Wide Band Transformers
- * Phase Groups Of 3-Phase Transformers
- * Synchronous Reactor And Synchronous Frequency Changer
- * Speed Control Of 3-Phase Induction Motor
- * Operation Of 3-Phase Induction Motor With Unbalanced Supply Voltages
- * Additional Solved And Unsolved Problems
- * All These Features Make This Book An Ideal Text For Undergraduate Electrical, Electronics And Computer Engineering Students.Upsc And Amie Candidates Would Also Find The Book Extremely

Useful.

Electric Machines (Sigma) New Age International

Complete coverage of all fields of electrical engineering. The book provides workable definitions for practicing engineers, while serving as a reference and research tool for students, and offering practical information for scientists and engineers in other disciplines. Areas examined include applied electrical, microwave, control, power, and digital systems engineering, plus device electronics.

Fundamentals of Electrical Engineering
CRC Press

Attuned to the needs of undergraduate students of engineering in their first year, Basic Electrical Engineering enables them to build a strong

foundation in the subject. A large number of real-world examples illustrate the applications of complex theories. The book comprehensively covers all the areas taught in a one-semester course and serves as an ideal study material on the subject.

Electric machinery fundamentals: Fourth edition McGraw-Hill Higher Education

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.

Electrical Machines Tata McGraw-Hill Education

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

Analog Communication Systems McGraw-Hill Education

This book is intended to serve as a textbook for BE., B. Tech, students of Electrical, Electronics, Computer, Instrumentation, Control and communication Engineering. It will also serve as a text reference for the students of diploma in Engineering, AMIE, GATE, UPSC Engineering services,

IAS candidate would also find the book extremely useful. Subject matter in each chapter developed systematically from first principles. Written in a very simple language. Simple and clear explanation of concepts. Large number of carefully selected worked examples. Most simplified methods used. Step-by-step procedures given for solving problems. Ideally suited for self-study.

Comprehensive Dictionary of Electrical Engineering John Wiley & Sons

A Textbook of Engineering Physics is written with two distinct objectives: to provide a single source of information for engineering undergraduates of different specializations and provide them a solid base in physics. Successive editions of the book incorporated topics as required

by students pursuing their studies in various universities. In this new edition the contents are fine-tuned, modernized and updated at various stages.

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