
Electrical Machine J B Gupta

Electrical and Electronic Principles and Technology

Electric Machines

Electrical Engineering (O.T.)

Utilization Of Electric Power & Electric Traction

Electrical Machines-I

Switchgear and Protection

Electrical Machines

Principles of Electrical Machines

Basic Electrical Engineering

Fundamentals of Electric Machines

Electrical Machines - Ii (anna)

Electrical Machine Dynamics

A Textbook of Electrical Technology - Volume IV

Transmission & Distribution Of Electrical Power

A Course In Electronics & Electrical Measurements And Instrumentation

Fundamentals of Electrical Engineering and Electronics

Electronic Devices And Circuits

Fundamentals of Electrical Drives
Electrical Machines, Drives, and Power Systems
A.C. & D.C. machines
A Course In Power Systems
Fundamentals of Electrical Engineering and Electronics (LPSPE)
Fundamentals of Electrical Engineering
A Textbook Of Electrical Machines
Electrical Machines (Uptu)
Objective Electrical Technology
Principles Of Electrical Machine Design
Fitzgerald & Kingsley's Electric Machinery
Theory & Performance Of Electrical Machines
Electric Machines
Electrical Machines-I
Electrical Machines
Electrical Machines & their Applications
Electrical Machines - II
Electric Machinery Fundamentals
SPECIAL ELECTRICAL MACHINES
Electrical Machines-I (Mdu)

Electrical Machines

An Integrated Course In Electrical Engineering (3rd Edition)
Generation of Electrical Energy, 7th Edition

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BALLARD JUAREZ

Electrical and Electronic
Principles and Technology

Seagull Books Pvt Ltd

This Book extensive
pruning of the solved
Examples in the
text. Majority of the old
examples have been
replaced by questions set
in the latest examination
papers of different

engineering colleges and
technical institutions.

Electric Machines

McGraw-Hill Higher
Education

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 the provides
solutions for instructors,
as well as source code,
MATLAB tools, and links to
important sites for
students.

*Electrical Engineering**(O.T.) Elsevier*

This practical resource introduces electrical and electronic principles and technology covering theory through detailed examples, enabling students to develop a sound understanding of the knowledge required by technicians in fields such as electrical engineering, electronics and telecommunications. No previous background in engineering is assumed, making this an ideal text for vocational courses at Levels 2 and 3,

foundation degrees and introductory courses for undergraduates.

Utilization Of Electric Power & Electric Traction

Routledge

The importance of various electrical machines is well known in the various engineering fields. The book provides comprehensive coverage of the synchronous generators (alternators), synchronous motors, three phase and single phase induction motors and various special machines. The book is structured to cover the

key aspects of the course

Electrical Machines - II.

The book starts with the explanation of basics of synchronous generators including construction, winding details and e.m.f. equation. The book then explains the concept of armature reaction, phasor diagrams, regulation and various methods of finding the regulation of alternator. Stepwise explanation and simple techniques used to elaborate these methods is the feature of this book. The book further explains the concept of

synchronization of alternators, two reaction theory and parallel operation of alternators. The chapter on synchronous motor provides the detailed discussion of construction, working principle, behavior on load, analysis of phasor diagram, Vee and Inverted Vee curves, hunting and applications. The book further explains the three phase induction motors in detail. It includes the construction, working, effect of slip, torque equation, torque ratios, torque-slip

characteristics, losses, power flow, equivalent circuit, effect of harmonics on the performance and applications. This chapter includes the discussion of induction generator and synchronous induction motor. The detailed discussion of circle diagram is also included in the book. The book teaches the various starting methods, speed control methods and electrical braking methods of three phase induction motors. Finally, the book gives the

explanation of various single phase induction motors and special machines such as reluctance motor, hysteresis motor, repulsion motor, servomotors and stepper motors. The discussion of magnetic levitation is also incorporated in the book. The book uses plain, lucid language to explain each topic. The book provides the logical method of explaining the various complicated topics and stepwise methods to make the understanding easy. Each chapter is well

supported with necessary illustrations, self explanatory diagrams and variety of solved problems. The book explains the philosophy of the subject which makes the understanding of the concepts very clear and makes the subject more interesting.

Electrical Machines-I S.

Chand Publishing

We are excited to present the fifth edition of Electric Machines. While we have updated this edition to reflect current ideas and trends, the foundation of what has made this

successful remains: in depth coverage of fundamental concepts and rich pedagogy. Primary goal is to explain Electric Machines in a way that students can easily understand and relate to their personal and professional lives.

Switchgear and Protection CRC Press

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.

Electrical Machines

Seagull Books Pvt Ltd

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. *Principles of Electrical Machines* S. Chand Publishing

□Fundamentals of Electrical Engineering and Electronics□ is a useful book for undergraduate students of electrical engineering and electronics as well as B.Sc. Electronics. The book discusses concepts such as Network Analysis, Capacitance, Electromagnetic Induction, Motors Circuits and Diodes in an easy to relate and thereby understand manner. Designed in accordance with the syllabi of most major universities, the book is an essential

resource for anyone aspiring to learn the fundamentals and teaches students much about the subject itself. A book which has seen, foreseen and incorporated changes in the subject for more than 50 years, it continues to be one of the most sought after texts by the students.

Basic Electrical Engineering

S. Chand Publishing

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.

Fundamentals of Electric

Machines S. Chand Publishing

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.

Electrical Machines - I (anna) S. Chand Publishing

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

Electrical Machine Dynamics Cambridge University Press
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. *A Textbook of Electrical Technology - Volume IV* Vikas Publishing House
The two major broad applications of electrical energy are information processing and energy processing. Hence, it is no wonder that electric machines have occupied a large and revered space in the field of electrical engineering. Such an important topic requires a careful approach, and Charles A. Gross' Electric

Machines offers the most balanced, application-oriented, and modern perspective on electromagnetic machines available. Written in a style that is both accessible and authoritative, this book explores all aspects of electromagnetic-mechanical (EM) machines. Rather than viewing the EM machine in isolation, the author treats the machine as part of an integrated system of source, controller, motor, and load. The discussion progresses systematically

through basic machine physics and principles of operation to real-world applications and relevant control issues for each type of machine presented. Coverage ranges from DC, induction, and synchronous machines to specialized machines such as transformers, translational machines, and microelectromechanical systems (MEMS). Stimulating example applications include electric vehicles, wind energy, and vertical

transportation. Numerous example problems illustrate and reinforce the concepts discussed. Along with appendices filled with unit conversions and background material, *Electric Machines* is a succinct, in-depth, and complete guide to understanding electric machines for novel applications. *Transmission & Distribution Of Electrical Power* CRC Press Encouraged by the response to the first edition and to keep pace

with recent developments, Fundamentals of Electrical Drives, Second Edition incorporates greater details on semi-conductor controlled drives, includes coverage of permanent magnet AC motor drives and switched reluctance motor drives, and highlights new trends in drive technology. Contents were chosen to satisfy the changing needs of the industry and provide the appropriate coverage of modern and conventional drives. With the large number of

examples, problems, and solutions provided, Fundamentals of Electrical Drives, Second Edition will continue to be a useful reference for practicing engineers and for those preparing for Engineering Service Examinations. A Course In Electronics & Electrical Measurements And Instrumentation 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.
Fundamentals of Electrical
 Engineering and
 Electronics KHANNA
 PUBLISHING HOUSE
 In the present
 edition,authors have
 made sincere efforts to
 make the book up-to-
 date.A notable 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.
**Electronic Devices And
 Circuits** CRC Press

A Textbook of Electrical
 Technology(Vol.
 IV)Multicolorpictures have
 been added to enhance
 the contenet value and
 give to the students an
 idea of what he will be
 dealing in realityand to
 bridge the gap between
 theory and practice.A
 notable feature is the
 inclusion of chapter on
 Flip-Flops and related
 Devices as per latest
 development in the
 subject.Latest tutorial
 problems and objective
 type questions specially
 for GATE have been
 included at relevant

places.

Fundamentals of Electrical Drives

Technical Publications

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.

Electrical Machines, Drives, and Power Systems

Palgrave
This book endeavors to break the stereotype that basic electrical machine courses are limited only to transformers, DC brush machines, induction machines, and wound-field synchronous machines. It is intended to serve as a textbook for

basic courses on Electrical Machines covering the fundamentals of the electromechanical energy conversion, transformers, classical electrical machines, i.e., DC brush machines, induction machines, wound-field rotor synchronous machines and modern electrical machines, i.e., switched reluctance machines (SRM) and permanent magnet (PM) brushless machines. In addition to academic research and teaching, the author has worked for over 18 years in US high-

technology corporative businesses providing solutions to problems such as design, simulation, manufacturing and laboratory testing of large variety of electrical machines for electric traction, energy

generation, marine propulsion, and aerospace electric systems. *A.C. & D.C. machines* Pearson Educación 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.

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- [The Very Hungry Caterpillar By Eric Carle](#)
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- [The Boy, The Mole, The Fox And The Horse By Charlie Mackesy](#)

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