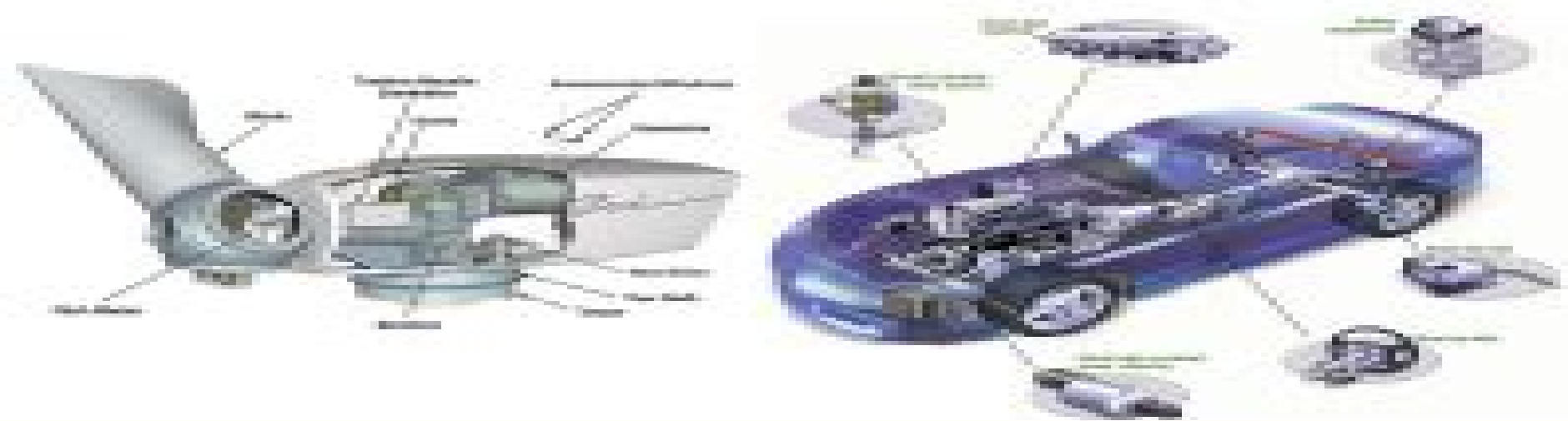


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An Introduction to Electrical Machines and Transformers George McPherson, Robert D. Laramore, 1990 Electrical engineering students are traditionally given but brief exposure to the important topic of electrical machines and transformers. This text/reference comprises a thorough and accessible introduction to the subject, and this Second Edition contains more material on small machinery and a new chapter on the energy conversion approach to calculation of magnetically developed forces. A circuit model is developed for each of the basic devices, and the physical basis of each model is explained. Chapters are relatively independent of one another and follow the same general plan. Coverage is broad and deep enough to permit flexibility in course design.

Electrical machines. 2nd ed Alec DRAPER, 1967

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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

Laboratory Manual for Electrical Machines, 2/e D.P. Kothari, B. S. Umre, 2017-11-19 Laboratory Manual for Electrical Machines 2nd edition includes four new experiments in electrical machines so that it can cater to the complete syllabus of undergraduate laboratory courses of electrical machines This book gives the basic information to the students with the machine phenomenon working principles and testing methods etc It also imparts real physical understanding of various types of electrical machines The main attraction of this laboratory manual is its power point presentation for all experiments This manual is meant for electrical engineering students of B E and B Tech and polytechnics

Electrical Machines Jacek F. Gieras, 2016-10-14 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 corporate 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

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Fundamentals of Electrical Machines Abdus Salam, 2005 Based upon years of teaching experience M Abdus Salam covers the fundamentals and important topics which can help students to develop a lasting and sound knowledge of electrical machines

Electric Machines Dino Zorbas, 2014-04-07 Designed to serve as a textbook for a single semester undergraduate course on electromechanical energy conversion devices or electric machines ELECTRIC MACHINES strikes a balance between theoretical coverage easy explanations and practical applications presenting real world

applications of concepts without compromising on the rigor or the continuity of the text The book provides excellent readability in a conversational style combined with invaluable industry insight The accompanying website provides problems solved in MATLAB SPICE simulations manufacturing data as well as additional problems for students and instructors

Principles of Electric Machines with Power Electronic Applications M. E. El-Hawary, 1986 Very Good No Highlights or Markup all pages are intact *Electric Machines* Zorbas, 1989-01-01 Electrical Machines Smarajit Ghosh, 2012 This fully revised second edition of Electrical Machines is systematically organized as per the logical flow of the topics included in electrical machines courses in universities across India It is written as a text cum guide so that the underlying principles can be readily understood and is useful to both the novice as well as advanced readers Emphasis has been laid on physical understanding and pedagogical aspects of the subject In addition to conventional machines the book s extensive coverage also includes rigorous treatment of transformers current potential and welding transformers special machines AC DC servomotors linear induction motors permanent magnet DC motors and application of thyristors in rotating machines

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Electrical Machines ... Second Edition Charles Seymour SISKIND, 1959 Dynamo electric machinery. Vol.2, by S. Sheldon and H. Mason Samuel Sheldon, 1902

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