Charles Siskind Electrical Machines

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Electric Machines Charles A. Gross 2006-10-20 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.

Scientific and Technical Books in Print 1972

The Michigan Technic 1956

Factory Management and Maintenance 1952

U.S. Environmental Protection Agency Library System Book Catalog Holdings as of July 1973 United States. Environmental Protection Agency. Library Systems Branch 1974

Electrical Machines; Direct & Alternating Current Charles Seymour Siskind 1959

Electric Machines Jimmie J. Cathey 2001 This text contains sufficient material for a single semester core course in electric machines and energy conversion, while allowing some selectivity among the topics covered by the latter sections of Chapters 3-7 depending on a school's curriculum. The text can work for either a course in energy design principles and analysis with an optional design project, or for a capstone design course that follows an introductory course in energy device principles. A unique feature of "Electric Machines:

Analysis and Design Applying MATLAB" is its integration of the popular interactive computer software MATLAB to handle the tedious calculations arising in electric machine analysis. As a result, more exact models of devices can be retained for analysis rather than the approximate models commonly introduced for the sake of computational simplicity.

Elements of Electrical Machine Design [by] Alfred Still [and] Charles S. Siskind Alfred Still 1954

Confocal Raman Microscopy Jan Toporski 2018-03-01 This second edition provides a cutting-edge overview of physical, technical and scientific aspects related to the widely used analytical method of confocal Raman microscopy. The book includes expanded background information and adds insights into how confocal Raman microscopy, especially 3D Raman imaging, can be integrated with other methods to produce a variety of correlative microscopy combinations. The benefits are then demonstrated and supported by numerous examples from the fields of materials science, 2D materials, the life sciences, pharmaceutical research and development, as well as the geosciences.

Elements of Electrical Machine Design Arthur Dearth Moore 1925

Electrical Machines ... Second Edition Charles Seymour SISKIND 1959

Computer and Machine Vision E. R. Davies 2012-03-05 Computer and Machine Vision: Theory, Algorithms, Practicalities (previously entitled Machine Vision) clearly and systematically presents the basic methodology of computer and machine vision, covering the essential elements of the theory while emphasizing algorithmic and practical design constraints. This fully revised fourth edition has brought in more of the concepts and applications of computer vision, making it a very comprehensive and up-to-date tutorial text suitable for graduate students, researchers and R&D engineers working in this vibrant subject. Key features include: Practical examples and case studies give the 'ins and outs' of developing real-world vision systems, giving engineers the realities of implementing the principles in practice. New chapters containing case studies on surveillance and driver assistance systems give practical methods on these cutting-edge applications in computer vision. Necessary mathematics and essential theory are made approachable by careful explanations and well-illustrated examples. Updated content and new sections cover topics such as human iris location, image stitching, line detection using RANSAC, performance measures, and hyperspectral imaging. The 'recent developments' section now included in each chapter will be useful in bringing students and practitioners up to date with the subject. Roy Davies is Emeritus Professor of Machine Vision at Royal Holloway, University of London. He has worked on many aspects of vision, from feature detection to robust, real-time implementations of practical vision tasks. His interests include automated visual inspection, surveillance, vehicle guidance and crime detection. He has published more than 200 papers, and three books – Machine Vision: Theory, Algorithms, Practicalities (1990), Electronics, Noise and Signal Recovery (1993), and Image Processing for the Food Industry (2000); the first of these has been widely used internationally for more than 20 years, and is now out in this much enhanced fourth edition. Roy holds a DSc at the University of London, and has been awarded Distinguished Fellow of the British Machine Vision Association, and Fellow of the International Association of Pattern Recognition.

Elements of Electrical Design. Elements of Electrical Machine Design. By A.

Still ... Charles S. Siskind ... Third Edition Alfred Still 1954

Product Engineering 1961 Vol. for 1955 includes an issue with title Product design handbook issue; 1956, Product design digest issue; 1957, Design digest issue.

Optimization of Complex Systems: Theory, Models, Algorithms and Applications Hoai An Le Thi 2019-06-15 This book contains 112 papers selected from about 250 submissions to the 6th World Congress on Global Optimization (WCGO 2019) which takes place on July 8-10, 2019 at University of Lorraine, Metz, France. The book covers both theoretical and algorithmic aspects of Nonconvex Optimization, as well as its applications to modeling and solving decision problems in various domains. It is composed of 10 parts, each of them deals with either the theory and/or methods in a branch of optimization such as Continuous optimization, DC Programming and DCA, Discrete optimization & Network optimization, Multiobjective programming, Optimization under uncertainty, or models and optimization methods in a specific application area including Data science, Economics & Finance, Energy & Water management, Engineering systems, Transportation, Logistics, Resource allocation & Production management. The researchers and practitioners working in Nonconvex Optimization and several application areas can find here many inspiring ideas and useful tools & techniques for their works.

The University of Tennessee Record University of Tennessee 1960

High-Maintenance Employees Katherine Graham Leviss 2005-11-01 Every day, managers find themselves wondering what to do about Joe. That is, "Joe is a brilliant employee, a visionary. But no one can work with him because he's so unapproachable." What do they do? High-Maintenance Employees is the first book to give managers detailed guidance on how to get the best out of high-maintenance high-performers--visionary employees who are difficult to keep on track. Kathi Graham-Leviss has spent the last 20 years coaching companies on how to improve their results, and realized that the No. 1 problem facing companies was how to manage these essential employees. High-Maintenance Employees takes the reader on a step-by-step process that includes: --Identifying and appreciating high-maintenance high-performers --Understanding their behavior --Creating the best work environment --Rewarding and leading high-maintenance high-performers --Integrating them into teams By following these steps, managers will learn how to maximize their employees' performance, and thereby maximize their business.

Electric Circuits and Machines Eugene C. Lister 1975 Majors and non-majors in electricity will benefit from this easy-to-understand and highly illustrated introduction to DC and AC electrical theory, circuits, and equipment. The only prequisites are algebra and a basic knowledge of trigonometry. This updated edition reflects changes in industry resulting from increasing computerization of electrical equipment. Modern solid-state components are covered in appropriate sections throughout the book. These components are especially featured in the area of industrial controls.

Fundamentals of Electrical Engineering Dr. Yaduvir Singh 2010-02

Emmy and the Incredible Shrinking Rat Lynne Jonell 2008-09-02 Emmy was a good girl. At least she tried very hard to be good. She did her homework without being told. She ate all her vegetables, even the slimy ones. And she never

talked back to her nanny, Miss Barmy, although it was almost impossible to keep quiet, some days. She really was a little too good. Which is why she liked to sit by the Rat. The Rat was not good at all . . . Hilarious, inventive, and irresistably rodent-friendly, Emmy and the Incredible Shrinking Rat is a fantastic first novel from acclaimed picture book author Lynne Jonell.

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

Books and Pamphlets, Including Serials and Contributions to Periodicals Library of Congress. Copyright Office 1949

The Cambridge Introduction to Satire Jonathan Greenberg 2018-12-20 In satire, evil, folly, and weakness are held up to ridicule – to the delight of some and the outrage of others. Satire may claim the higher purpose of social critique or moral reform, or it may simply revel in its own transgressive laughter. It exposes frauds, debunks ideals, binds communities, starts arguments, and evokes unconscious fantasies. It has been a central literary genre since ancient times, and has become especially popular and provocative in recent decades. This new introduction to satire takes a historically expansive and theoretically eclectic approach, addressing a range of satirical forms from ancient, Renaissance, and Enlightenment texts through contemporary literary fiction, film, television, and digital media. The beginner in need of a clear, readable overview and the scholar seeking to broaden and deepen existing knowledge will both find this a lively, engaging, and reliable guide to satire, its history, and its continuing relevance in the world.

Scientific, Medical and Technical Books. Published in the United States of America Reginald Robert Hawkins 1953

Electrical Machines; Direct and Alternating Current Charles S. Siskind 1971

The New Sultan Soner Cagaptay 2017-04-30 In a world of rising tensions between Russia and the United States, the Middle East and Europe, Sunnis and Shiites, Islamism and liberalism, Turkey is at the epicentre. And at the heart of Turkey is its right-wing populist president, Recep Tayyip Erdo?an. Since 2002, Erdo?an has consolidated his hold on domestic politics while using military and diplomatic means to solidify Turkey as a regional power. His crackdown has been brutal and consistent – scores of journalists arrested, academics officially banned from leaving the country, university deans fired and many of the highest-ranking military officers arrested. In some senses, the nefarious and failed 2016 coup has given Erdo?an the licence to make good on his repeated promise to bring order and stability under a 'strongman'. Here, leading Turkish expert Soner Cagaptay will look at Erdo?an's roots in Turkish history, what he believes in and how he has cemented his rule, as well as what this means for the world. The book will also unpick the 'threats' Erdogan has worked to combat – from the liberal Turks to the Gulen movement, from coup plotters to Kurdish nationalists – all of which have culminated in the crisis of modern Turkey.

Ensemble Machine Learning Cha Zhang 2012-02-17 It is common wisdom that gathering a variety of views and inputs improves the process of decision making, and, indeed, underpins a democratic society. Dubbed "ensemble learning" by researchers in computational intelligence and machine learning, it is known to improve a decision system's robustness and accuracy. Now, fresh developments are allowing researchers to unleash the power of ensemble learning in an increasing range of real-world applications. Ensemble learning algorithms such as "boosting" and "random forest" facilitate solutions to key computational issues such as face recognition and are now being applied in areas as diverse as object tracking and bioinformatics. Responding to a shortage of literature dedicated to the topic, this volume offers comprehensive coverage of state-of-the-art ensemble learning techniques, including the random forest skeleton tracking algorithm in the Xbox Kinect sensor, which bypasses the need for game controllers. At once a solid theoretical study and a practical guide, the volume is a windfall for researchers and practitioners alike.

Direct-current Machinery Charles Seymour Siskind 1952

Electrical Machines, Direct and Alternating Current Charles Seymour Siskind 1950

Instrumentation Curriculum Guide for the Two-year Post Secondary Institution Roger W. Schiller 1977

U.S. Environmental Protection Agency Library System Book Catalog United States. Environmental Protection Agency. Library Systems Branch 1974 Includes the monographic collection of the 28 libraries comprising the Library System of the Environmental Protection Agency.

Electrical Machines – I Uday A. Bakshi 2020-11-01 The importance of various electrical machines is well known in the various engineering fields. The book provides comprehensive coverage of the magnetic circuits, magnetic materials, single and three phase transformers and d.c. machines. The book is structured to cover the key aspects of the course Electrical Machines – I. The book starts with the explanation of basics of magnetic circuits, concepts of self and mutual inductances and important magnetic materials. Then it explains the fundamentals of single phase transformers including the construction, phasor diagram, equivalent circuit, losses, efficiency, methods of cooling, parallel operation and autotransformer. The chapter on three phase transformer provides the detailed discussion of construction, connections, phasor groups, parallel operation, tap changing transformer and three winding transformer. The various testing methods of transformers are also incorporated in the book. The book further explains the concept of electromechanical energy conversion including the discussion of singly and multiple excited systems. Then the book covers all the details of d.c. generators including construction, armature reaction, commutation, characteristics, parallel operation and applications. The book also includes the details of d.c. motors such as characteristics, types of starters, speed control methods, electric braking and permanent magnet d.c. motors. Finally, the book covers the various testing methods of d.c. machines including Swinburne's test, brake test, retardation test and Hopkinson's test. 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. All the chapters are arranged in a proper sequence that permits each

topic to build upon earlier studies. 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 Charles Seymour Siskind 1950

The National Union Catalog, Pre-1956 Imprints 1978

Elements of Electrical Machine Design Alfred Still 1954

Engineering and Chemical Thermodynamics Milo D. Koretsky 2012-12-17 Chemical engineers face the challenge of learning the difficult concept and application of entropy and the 2nd Law of Thermodynamics. By following a visual approach and offering qualitative discussions of the role of molecular interactions, Koretsky helps them understand and visualize thermodynamics. Highlighted examples show how the material is applied in the real world. Expanded coverage includes biological content and examples, the Equation of State approach for both liquid and vapor phases in VLE, and the practical side of the 2nd Law. Engineers will then be able to use this resource as the basis for more advanced concepts.

Electrical Control Systems in Industry Charles Seymour Siskind 1963

Life 3.0 Max Tegmark 2017-08-29 New York Times Best Seller How will Artificial Intelligence affect crime, war, justice, jobs, society and our very sense of being human? The rise of AI has the potential to transform our future more than any other technology—and there's nobody better qualified or situated to explore that future than Max Tegmark, an MIT professor who's helped mainstream research on how to keep AI beneficial. How can we grow our prosperity through automation without leaving people lacking income or purpose? What career advice should we give today's kids? How can we make future AI systems more robust, so that they do what we want without crashing, malfunctioning or getting hacked? Should we fear an arms race in lethal autonomous weapons? Will machines eventually outsmart us at all tasks, replacing humans on the job market and perhaps altogether? Will AI help life flourish like never before or give us more power than we can handle? What sort of future do you want? This book empowers you to join what may be the most important conversation of our time. It doesn't shy away from the full range of viewpoints or from the most controversial issues—from superintelligence to meaning, consciousness and the ultimate physical limits on life in the cosmos.

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Philippine national bibliography 1990