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Electric machinery fundamentals: Fourth edition
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Handbook of Risk Management in Energy Production and Trading
A Textbook of Electrical Technology - Volume II
Characters of Finite Groups. Part 1
A New Survey of Universal Knowledge
From Transistor to System Level
Proceedings of the IEEE 1978 National Aerospace and Electronics Conference, NAECON '78, Held at the Dayton Convention Center, May 16-18, 1978
Sparks and Laser Pulses
Journal
A Systems Approach

GLASS HUDSON

Great Soviet Encyclopedia S. Chand Publishing

Modern Statistical, Systems, and GPSS Simulation, Second Edition introduces the theory and implementation of discrete-event simulation. This text: establishes a theoretical basis for simulation methodology provides details of an important simulation language (GPSS - General Purpose Simulation System) integrates these two elements in a systems simulation case study Valuable additions to the second edition include coverage of random number generators with astronomic period, new entropy-based tests of uniformity, gamma variate generation, results on the GLD, and variance reduction techniques. GPSS/PC is an interactive implementation of GPSS for the IBM-PC compatible family of microcomputers. The disk accompanying Modern Statistical, Systems, and GPSS Simulation contains the limited educational version of GPSS/PC with many illustrative examples discussed in the text.

Selected Technical Publications Oxford University Press

For Mechnaical Engginering Students of Indian Universities.It is also available in 4 Individual Parts

Microwave Wireless Communications Academic Press

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

Publisher's Monthly PHI Learning Pvt. Ltd.

This collection of exercises, compiled for talented high school students, encourages creativity and a deeper understanding of ideas when solving physics problems. Described as 'far beyond high-school level', this book grew out of the idea that teaching should not aim for the merely routine, but challenge pupils and stretch their ability through creativity and thorough comprehension of ideas.

Selected Technical Publications Tata McGraw-Hill Education

This book presents an overview of the risks involved in modern electricity production, delivery and trading, including technical risk in production, transportation and delivery, operational risk for the system operators, market risks for traders, and political and other long term risks in strategic management. Using decision making under uncertainty as a methodological background, the book is divided into four parts, with Part I focusing on energy markets, particularly electricity markets. Topics include a nontechnical overview of energy markets and their main properties, basic price models for energy commodity prices, and modeling approaches for electricity price processes. Part II looks at optimal decisions in managing energy systems, including hydropower dispatch models, cutting plane algorithms and approximative dynamic programming; hydro-thermal production; renewable; stochastic investments and operational optimization models for natural gas transport; decision making in operating electricity networks; and investment in extending energy production systems. Part III explores pricing, including electricity swing options and the pricing of derivatives with volume control. Part IV looks at long-term and political risks, including energy systems under aspects of climate change, and catastrophic operational risks, particularly risks from terrorist

attacks.

300 Creative Physics Problems with Solutions S. Chand Publishing

The topic of trauma has been covered in many books, and there are many publications covering the use of SFBT in different settings and with varied client populations. However, the convergence of these topics has, to date, been covered only minutely. Solution-Focused Brief Therapy with Clients Managing Trauma is a comprehensive overview of how Solution Focused Brief Therapy (SFBT) can be used as a treatment approach for working with clients managing various forms of trauma. It includes an overview of SFBT's basic tenets, a description of the current research supporting SFBT as an evidence-based practice, and a comparison of how SFBT clinicians may approach trauma cases differently than clinicians from other therapeutic approaches. The bulk of the text uniquely includes chapters contributed by skilled SFBT clinicians, with differing clinical expertise, sharing their knowledge and describing their strength-based, resiliency focus of applying SFBT in different traumatic circumstances. Practitioners and even Master's/doctoral students will find this text invaluable in learning how to best help traumatized clients develop a positive future and move toward healing and health.

Advances in Grid-Connected Photovoltaic Power Conversion Systems Oxford University Press

Surveying the technologies used to satisfy the world's demand for open, efficient, and clean electricity, Variable Speed Generators provides an in-depth examination of variable-speed generators for both stand-alone and grid-connected applications. Part of The Electric Generators Handbook, Two-Volume Set, this work offers authoritative, tightly focused treatment of the topologies, steady state and transients modeling, performance, control, design, and testing of stand-alone and grid-connected generators operating at variable speeds. Variable Speed Generators thoroughly covers all types of variable-speed generators currently in progress in distributed generation and renewable energy applications around the world. It delves into the steady state, transients, control, and design of claw-pole rotor synchronous, induction, permanent magnet-assisted synchronous, and switched reluctance starter alternators for hybrid-electric vehicles. It also discusses PM synchronous, transverse-flux PM, and flux-reversal PM generators for low-speed wind and hydro energy conversion as well as linear-motion alternators for residential and spacecraft applications. Numerous design and control examples illustrate the discussion. The promise of renewable, sustainable energy rests on our ability to design innovative power systems that are able to harness energy from a variety of sources. Variable Speed Generators supplies the tools necessary to design, validate, and deploy the right power generation technologies to fulfill tomorrow's complex energy needs.

Solution-Focused Brief Therapy in Schools CRC Press

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Solution-Focused Brief Therapy with Clients Managing Trauma Anthem Press

The resilience of computing systems includes their dependability as well as their fault tolerance and security. It defines the ability of a computing system to perform properly in the presence of various

kinds of disturbances and to recover from any service degradation. These properties are immensely important in a world where many aspects of our daily life depend on the correct, reliable and secure operation of often large-scale distributed computing systems. Wolter and her co-editors grouped the 20 chapters from leading researchers into seven parts: an introduction and motivating examples, modeling techniques, model-driven prediction, measurement and metrics, testing techniques, case studies, and conclusions. The core is formed by 12 technical papers, which are framed by motivating real-world examples and case studies, thus illustrating the necessity and the application of the presented methods. While the technical chapters are independent of each other and can be read in any order, the reader will benefit more from the case studies if he or she reads them together with the related techniques. The papers combine topics like modeling, benchmarking, testing, performance evaluation, and dependability, and aim at academic and industrial researchers in these areas as well as graduate students and lecturers in related fields. In this volume, they will find a comprehensive overview of the state of the art in a field of continuously growing practical importance.

Research in Education Academic Press

High Speed Pulse Technology, Volume IV: Sparks and Laser Pulses covers the production and practical aspects of sparks and laser pulses for the generation and utilization of high speed pulsed energy in different forms. This volume consists of seven chapters and begins with reviews of the classification of photographic methods of high-speed analysis, specifically the motion analysis of rapid events by white light pulses. The next chapters examine the sources of white pulse light and nanosecond radiation. The remaining chapters discuss the applications of the technology in photography, photolysis, laser pumping, and visualization of flows, cracks, and particles. This book will prove useful to physicists, electrical and other engineering fields, teachers, and students who are interested in sparks and laser pulses.

A 360-Degree View of the Research and Practice Principles Springer Science & Business Media

A comprehensive text, combining all important concepts and topics of Electrical Machines and featuring exhaustive simulation models based on MATLAB/Simulink *Electrical Machine Fundamentals with Numerical Simulation using MATLAB/Simulink* provides readers with a basic understanding of all key concepts related to electrical machines (including working principles, equivalent circuit, and analysis). It elaborates the fundamentals and offers numerical problems for students to work through. Uniquely, this text includes simulation models of every type of machine described in the book, enabling students to design and analyse machines on their own. Unlike other books on the subject, this book meets all the needs of students in electrical machine courses. It balances analytical treatment, physical explanation, and hands-on examples and models with a range of difficulty levels. The authors present complex ideas in simple, easy-to-understand language, allowing students in all engineering disciplines to build a solid foundation in the principles of electrical machines. This book: Includes clear elaboration of fundamental concepts in the area of electrical machines, using simple language for optimal and enhanced learning Provides wide coverage of topics, aligning with the electrical machines syllabi of most international universities Contains extensive numerical problems and offers MATLAB/Simulink simulation models for the covered machine types Describes MATLAB/Simulink modelling procedure and introduces the

modelling environment to novices Covers magnetic circuits, transformers, rotating machines, DC machines, electric vehicle motors, multiphase machine concept, winding design and details, finite element analysis, and more *Electrical Machine Fundamentals with Numerical Simulation using MATLAB/Simulink* is a well-balanced textbook perfect for undergraduate students in all engineering majors. Additionally, its comprehensive treatment of electrical machines makes it suitable as a reference for researchers in the field.

Theory and Applications S. Chand Publishing

Since the publication of the First Edition, there have been several advances on the research on Solution-focused Brief Therapy (SFBT) in schools. This Second Edition contains updates on how to apply SFBT to specific problem areas that school social workers frequently encounter. Each chapter has been updated and expanded to provide to incorporate a Response to Intervention approach (RtI) in many of the clinical "SFBT in Action" chapters. The authors also utilized results from the second national school social work survey, conducted by a team led by Dr. Kelly and currently in press at School Mental Health Journal and Social Work, to identify several targeted school-related problems that school social workers encounter in their work and demonstrate how to use solution-focused techniques for them. Despite being places with tremendous challenges for students and staff, schools are also places of solutions, strengths, and successes. This practical guide shows school social workers how to harness the solutions; filled with case examples, key points to remember, guidelines for reviewing research, sample dialogue, and best practice tips, this book gives readers the essential tools to begin incorporating SFBT into their practice immediately.

Energy Research Abstracts Microwave Wireless Communications From Transistor to System Level To design and develop fast and effective microwave wireless systems today involves addressing the three different 'levels': Device, circuit, and system. This book presents the links and interactions between the three different levels rather than providing just a comprehensive coverage of one specific level. With the aim of overcoming the sectional knowledge of microwave engineers, this will be the first book focused on explaining how the three different levels interact by taking the reader on a journey through the different levels going from the theoretical background to the practical applications. Explains the links and interactions between the three different design levels of wireless communication transmitters: device, circuit, and system Presents state-of-the-art, challenges, and future trends in the field of wireless communication systems Covers all aspects of both mature and cutting-edge technologies for semiconductor devices for wireless communication applications Many circuit designs outlining the limitations derived from the available transistor technologies and system requirements Explains how new microwave measurement techniques can represent an essential tool for microwave modellers and designers

A Textbook of Electrical Technology John Wiley & Sons

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.

Popular Mechanics CRC Press

This Third Edition of the book contains more than 60 new problems over and above the original 480 problems of the Second Edition. The additional problems cover the whole range of new topics which

will also be introduced in the third edition of the author's main textbook titled Electromagnetism: Theory and Applications. There are some other new problems necessary to further enhance the understanding of the topics of importance already existing in the book. There has been no change in the philosophy of this book. It has been designed to serve as a companion volume to the main text to help students gain a thorough quantitative understanding of EM concepts that are somewhat difficult to learn. The problems included, as a result of the author's long industrial and academic experience, illuminate the concepts developed in the main text. Besides meeting the needs of undergraduate students of electrical engineering and postgraduate students and researchers in physics, the book will also be immensely useful to engineers and applied physicists in industry.

WHAT IS NEW TO THIS EDITION? 1. A number of new problems on evaluation of a.c. resistance and reactance due to skin effect in cylindrical transmission line configurations, for which the cylindrical polar coordinate system cannot be used. 2. New problems on design and optimization of permanent magnets (now being used in the development of new permanent magnet machines) by using Fröhlich-Kennelly equation for representing the demagnetizing curve and Evershed criterion for optimizing the magnet dimensions and its material volume. 3. Some problems on applications of vector analysis to different geometrical configurations. 4. Some problems on Electrostatics and Magnetostatics in which the method of images has been used as auxiliary support. 5. Nearly 18-20 new problems in the chapter on Electromagnetic Induction making it fully comprehensive and covering all facets of electromagnetic induction. This chapter now contains more than 60 solved problems, none of which are of the formula substitution type, and include problems ranging from annular homopolar machines to phenomenon of pinch effect, identification and separation of flux-linkage as well as flux cutting effects, etc. 6. Some problem on Electromagnetic Waves dealing with surface current speed. 7. Problems on Lorentz transformation in the chapter titled Electromagnetism and Special Relativity.

The Flash Photolysis and Recombination of Halogens in Gas and Solution Systems

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Woodhead Publishing

Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it's practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle.

MotorBoating American Mathematical Soc.

Each no. represents the results of the FDA research programs for half of the fiscal year.

Official Gazette of the United States Patent Office John Wiley & Sons

A textbook of Electrical Technology. In this edition, two new chapters have been added namely Rating & Service Capacity and distribution Automation. The First chapter will be useful to degree/diploma students undergoing their first course in Electrical Drives. It also contains many solved problems for the benefit of students. Another new chapter 'distribution Automation' is a latest development in the field of Electrical Power System Engineering. Till recent years, stress was given on Generation and Transmission.

Energy Abstracts for Policy Analysis S. Chand Publishing

June issues, 1941-44 and Nov. issue, 1945, include a buyers' guide section.

Nuclear Science Abstracts Springer Science & Business Media

The primary objective of vol. I of A Text Book of Electrical Technology is to provide a comprehensive treatment of topics in Basic Electrical Engineering both for electrical as well as nonelectrical students pursuing their studies in civil, mechanical, mining, textile, chemical, industrial, environmental, aerospace, electronic and computer engineering both at the Degree and diploma level. Based on the suggestions received from our esteemed readers, both from India and abroad, the scope of the book has been enlarged according to their requirements. Almost half the solved examples have been deleted and replaced by latest examination papers set up to 1994 in different engineering colleges and technical institutions in India and abroad.