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KEY=MANUAL - SPENCE DILLON

ELECTRIC MACHINERY FUNDAMENTALS

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 MACHINE DESIGN

Pearson Education India **Electrical Machine Design** caters to the requirements of undergraduate and postgraduate students of electrical engineering and industry novices. The authors have adopted a flow chart based approach to explain the subject. This enables an in-depth understanding of the design of different types of electrical machines with an appropriate introduction to basic design considerations and the magnetic circuits involved. The book aids students

to prepare for various competitive exams through objective questions, worked-out examples and review questions in increasing order of difficulty. MATLAB and C programs and Finite Element simulations using Motor Solve, featured in the text offers a profound new perspective in understanding of automated design of electrical machines.

ELECTRIC MACHINES

ANALYSIS AND DESIGN APPLYING MATLAB

McGraw-Hill Science, Engineering & Mathematics 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.

ELECTRICAL MACHINES; DIRECT & ALTERNATING CURRENT

Glencoe/McGraw-Hill School Pub

THE MAUDSLEY PRESCRIBING GUIDELINES IN PSYCHIATRY

John Wiley & Sons The revised 13th edition of the essential reference for the prescribing of drugs for patients with mental health disorders The revised and updated 13th edition of The Maudsley Prescribing Guidelines in Psychiatry provides up-to-date information, expert guidance on prescribing practice in mental health, including drug choice, treatment of adverse effects and how to augment or switch medications. The text covers a wide range of topics including pharmacological interventions for schizophrenia, bipolar disorder, depression and anxiety, and many other less common conditions. There is advice on prescribing in children and adolescents, in substance misuse and in special patient groups. This world-renowned guide has been written in concise terms by an expert team of psychiatrists and specialist pharmacists. The Guidelines help with complex prescribing problems and include information on prescribing

psychotropic medications outside their licensed indications as well as potential interactions with other medications and substances such as alcohol, tobacco and caffeine. In addition, each of the book's 165 sections features a full reference list so that evidence on which guidance is based can be readily accessed. This important text: Is the world's leading clinical resource for evidence-based prescribing in day-to-day clinical practice and for formulating prescribing policy Includes referenced information on topics such as transferring from one medication to another, prescribing psychotropic medications during pregnancy or breastfeeding, and treating patients with comorbid physical conditions, including impaired renal or hepatic function. Presents guidance on complex clinical problems that may not be encountered routinely Written for psychiatrists, neuropharmacologists, pharmacists and clinical psychologists as well as nurses and medical trainees, The Maudsley Prescribing Guidelines in Psychiatry are the established reference source for ensuring the safe and effective use of medications for patients presenting with mental health problems.

THE UNINHABITABLE EARTH

A STORY OF THE FUTURE

Penguin UK ****SUNDAY TIMES AND THE NEW YORK TIMES BESTSELLER**** 'An epoch-defining book' Matt Haig 'If you read just one work of non-fiction this year, it should probably be this' David Sexton, Evening Standard Selected as a Book of the Year 2019 by the Sunday Times, Spectator and New Statesman A Waterstones Paperback of the Year and shortlisted for the Foyles Book of the Year 2019 Longlisted for the PEN / E.O. Wilson Literary Science Writing Award It is worse, much worse, than you think. The slowness of climate change is a fairy tale, perhaps as pernicious as the one that says it isn't happening at all, and if your anxiety about it is dominated by fears of sea-level rise, you are barely scratching the surface of what terrors are possible, even within the lifetime of a teenager today. Over the past decades, the term "Anthropocene" has climbed into the popular imagination - a name given to the geologic era we live in now, one defined by human intervention in the life of the planet. But however sanguine you might be about the proposition that we have ravaged the natural world, which we surely have, it is another thing entirely to consider the possibility that we have only provoked it, engineering first in ignorance and then in denial a climate system that will now go to war with us for many centuries, perhaps until it destroys us. In the meantime, it will remake us, transforming every aspect of the way we live-the planet no longer nurturing a dream of abundance, but a living nightmare.

CONSTRUCTION PLANNING, EQUIPMENT, AND METHODS

IRON AND HEALTH

Stationery Office/Tso The report provides a comprehensive review of the role of iron in human nutrition and also assesses the adequacy of iron intakes and status of the general and low income populations in the UK. For the general population, SACN is recommending a public health approach to achieving adequate iron status based on a healthy balanced diet that includes a variety of foods containing iron. This is a change to current dietary advice that iron-rich foods should be consumed at the same time as foods/drinks which enhance iron absorption (e.g., fruit, meat) but should not be consumed with those that inhibit iron absorption (e.g., tea, coffee, milk). Groups identified as being at risk of iron deficiency anaemia include toddlers, girls and women of reproductive age, and some adult groups aged over 65 years. Health professionals need to be aware of increased risk of iron deficiency anaemia in these groups and those with evidence suggestive of iron deficiency anaemia should receive appropriate clinical assessment and advice. Red and processed meat is probably associated with an increased risk of colorectal cancer and SACN is advising high consumers of red and processed meat to consider reducing their intakes. Reducing such intake to the population average for adult consumers (estimated to be about 70 g/day cooked weight in 2000/01) would have little effect on the proportion of the population with iron intakes below the lower limit of recommended intake for iron.

COMPUTER AND MACHINE VISION

THEORY, ALGORITHMS, PRACTICALITIES

Academic Press **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.

CONFOCAL RAMAN MICROSCOPY

Springer 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.

LIFE 3.0

BEING HUMAN IN THE AGE OF ARTIFICIAL INTELLIGENCE

Penguin UK 'This is the most important conversation of our time, and Tegmark's thought-provoking book will help you join it' Stephen Hawking THE INTERNATIONAL BESTSELLER. DAILY TELEGRAPH AND THE TIMES BOOKS OF THE YEAR AI is the future - but what will that future look like? Will superhuman intelligence be our slave, or become our god? Taking us to the heart of the latest thinking about AI, Max Tegmark, the MIT professor whose work has helped mainstream research on how to keep AI beneficial, separates myths from reality, utopias from dystopias, to explore

the next phase of our existence. How can we grow our prosperity through automation, without leaving people lacking income or purpose? How can we ensure that future AI systems do what we want without crashing, malfunctioning or getting hacked? Should we fear an arms race in lethal autonomous weapons? Will AI help life flourish as never before, or will machines eventually outsmart us at all tasks, and even, perhaps, replace us altogether? 'This is a rich and visionary book and everyone should read it' The Times

ARCHITECTURAL UTILITIES

Goodwill Trading Co., Inc.

PRINCIPLES OF POWER SYSTEM

INCLUDING GENERATION, TRANSMISSION, DISTRIBUTION, SWITCHGEAR AND PROTECTION : FOR B.E/B.TECH., AMIE AND OTHER ENGINEERING EXAMINATIONS

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.

EMMY AND THE INCREDIBLE SHRINKING RAT

Henry Holt and Company (BYR) 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.

THE ICU BOOK

Lippincott Williams & Wilkins This best-selling resource provides a general overview and basic information for all adult intensive care units. The material is presented in a brief and quick-access format which allows for topic and exam review. It provides enough detailed and specific information to address most all questions and problems that arise in the ICU. Emphasis on fundamental principles in the text should prove useful for patient care outside the ICU as well.

New chapters in this edition include hyperthermia and hypothermia syndromes; infection control in the ICU; and severe airflow obstruction. Sections have been reorganized and consolidated when appropriate to reinforce concepts.

FOUNDATIONS OF STATISTICAL NATURAL LANGUAGE PROCESSING

MIT Press **Statistical approaches to processing natural language text have become dominant in recent years. This foundational text is the first comprehensive introduction to statistical natural language processing (NLP) to appear. The book contains all the theory and algorithms needed for building NLP tools. It provides broad but rigorous coverage of mathematical and linguistic foundations, as well as detailed discussion of statistical methods, allowing students and researchers to construct their own implementations. The book covers collocation finding, word sense disambiguation, probabilistic parsing, information retrieval, and other applications.**

THE NEW SULTAN

Bloomsbury Publishing **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 Erdoğan. Since 2002, Erdoğan 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 Erdoğan 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 Erdoğan'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.**

HANDBOOK OF TEST DEVELOPMENT

Routledge **The second edition of the Handbook of Test Development provides graduate students and professionals with an up-to-date, research-oriented guide to the latest developments in the field. Including thirty-two chapters by well-known scholars and practitioners, it is divided into five sections, covering the foundations of test development,**

content definition, item development, test design and form assembly, and the processes of test administration, documentation, and evaluation. Keenly aware of developments in the field since the publication of the first edition, including changes in technology, the evolution of psychometric theory, and the increased demands for effective tests via educational policy, the editors of this edition include new chapters on assessing noncognitive skills, measuring growth and learning progressions, automated item generation and test assembly, and computerized scoring of constructed responses. The volume also includes expanded coverage of performance testing, validity, fairness, and numerous other topics. Edited by Suzanne Lane, Mark R. Raymond, and Thomas M. Haladyna, *The Handbook of Test Development*, 2nd edition, is based on the revised Standards for Educational and Psychological Testing, and is appropriate for graduate courses and seminars that deal with test development and usage, professional testing services and credentialing agencies, state and local boards of education, and academic libraries serving these groups.

ON PHOTOGRAPHY

Winner of the National Book Critics' Circle Award for Criticism. One of the most highly regarded books of its kind, "On Photography" first appeared in 1977 and is described by its author as "a progress of essays about the meaning and career of photographs." It begins with the famous "In Plato's Cave" essay, then offers five other prose meditations on this topic, and concludes with a fascinating and far-reaching "Brief Anthology of Quotations."

MASTERING UNCERTAINTY IN MECHANICAL ENGINEERING

Springer Nature This open access book reports on innovative methods, technologies and strategies for mastering uncertainty in technical systems. Despite the fact that current research on uncertainty is mainly focusing on uncertainty quantification and analysis, this book gives emphasis to innovative ways to master uncertainty in engineering design, production and product usage alike. It gathers authoritative contributions by more than 30 scientists reporting on years of research in the areas of engineering, applied mathematics and law, thus offering a timely, comprehensive and multidisciplinary account of theories and methods for quantifying data, model and structural uncertainty, and of fundamental strategies for mastering uncertainty. It covers key concepts such as robustness, flexibility and resilience in detail. All the described methods, technologies and strategies have been validated with the help of three technical systems, i.e. the Modular Active Spring-Damper System, the Active Air Spring and the 3D Servo Press, which have been in turn developed and tested during more than ten years of cooperative

research. Overall, this book offers a timely, practice-oriented reference guide to graduate students, researchers and professionals dealing with uncertainty in the broad field of mechanical engineering.

COMMON ERRORS IN STATISTICS (AND HOW TO AVOID THEM)

John Wiley & Sons Praise for the Second Edition "All statistics students and teachers will find in this book a friendly and intelligent guide to . . . applied statistics in practice." —Journal of Applied Statistics ". . . a very engaging and valuable book for all who use statistics in any setting." —CHOICE ". . . a concise guide to the basics of statistics, replete with examples . . . a valuable reference for more advanced statisticians as well." —MAA Reviews Now in its Third Edition, the highly readable *Common Errors in Statistics (and How to Avoid Them)* continues to serve as a thorough and straightforward discussion of basic statistical methods, presentations, approaches, and modeling techniques. Further enriched with new examples and counterexamples from the latest research as well as added coverage of relevant topics, this new edition of the benchmark book addresses popular mistakes often made in data collection and provides an indispensable guide to accurate statistical analysis and reporting. The authors' emphasis on careful practice, combined with a focus on the development of solutions, reveals the true value of statistics when applied correctly in any area of research. The Third Edition has been considerably expanded and revised to include: A new chapter on data quality assessment A new chapter on correlated data An expanded chapter on data analysis covering categorical and ordinal data, continuous measurements, and time-to-event data, including sections on factorial and crossover designs Revamped exercises with a stronger emphasis on solutions An extended chapter on report preparation New sections on factor analysis as well as Poisson and negative binomial regression Providing valuable, up-to-date information in the same user-friendly format as its predecessor, *Common Errors in Statistics (and How to Avoid Them)*, Third Edition is an excellent book for students and professionals in industry, government, medicine, and the social sciences.

CALCIUM AND MAGNESIUM IN DRINKING-WATER

PUBLIC HEALTH SIGNIFICANCE

World Health Organization Can calcium and magnesium ("hardness") in drinking water contribute to preventing disease? This book documents the outputs of an unprecedented group of experts assembled by the World Health Organization to address this question. It includes their comprehensive consensus view on what is known and what is not about the

role and possible health benefit of calcium and magnesium in drinking-water. Also included is a series of chapters each authored by internationally renowned experts reviewing the state of the art in different aspects including: global dietary calcium and magnesium intakes; the contribution of drinking water to calcium and magnesium intake; health significance of calcium and magnesium; role of drinking-water in relation to bone metabolism; epidemiological studies and the association of cardiovascular disease risks with water hardness and magnesium in particular; water production; technical issues and economics. In both developed and developing countries, typical diets are often deficient in calcium and magnesium--essential minerals which are necessary for the development of strong bones and teeth, and for cardiovascular function. At the same time, there is evidence that consuming "hard" drinking-water may be associated with reduced risks for some diseases. Climate change and other ongoing changes will increase the use of high tech treatments--for example desalination and reclamation of polluted waters and mean that the issue will be of increasing future importance.

THE PLACE OF PLAY

TOYS AND DIGITAL CULTURES

Amsterdam University Press **A fascinating, eclectic analysis of the changing geographies of play in contemporary society.**

NONPARAMETRIC STATISTICS FOR SOCIAL AND BEHAVIORAL SCIENCES

CRC Press **Incorporating a hands-on pedagogical approach, Nonparametric Statistics for Social and Behavioral Sciences presents the concepts, principles, and methods used in performing many nonparametric procedures. It also demonstrates practical applications of the most common nonparametric procedures using IBM's SPSS software. This text is the only current nonparametric book written specifically for students in the behavioral and social sciences. Emphasizing sound research designs, appropriate statistical analyses, and accurate interpretations of results, the text: Explains a conceptual framework for each statistical procedure Presents examples of relevant research problems, associated research questions, and hypotheses that precede each procedure Details SPSS paths for conducting various analyses Discusses the interpretations of statistical results and conclusions of the research With minimal coverage of formulas, the book takes a nonmathematical approach to nonparametric data analysis procedures and shows students how they are used in research contexts. Each chapter includes examples, exercises, and SPSS screen shots illustrating steps of the statistical procedures and resulting output.**

PERINATAL PSYCHOPHARMACOLOGY

Springer This book focuses on recent advances in research and practical recommendations regarding the use of psychotropic drugs during pregnancy and lactation, two important social and psychological life events for women. In addition to the social context, including the addition of a new family member, many women experience the occurrence or recurrence of psychiatric disorders during the perinatal period. Psychiatric disorders during this period can have negative effects on the fetus, infant and other children in the family, and can result in functional impairment among mothers. The book offers a comprehensive overview of psychopharmacological treatments for nearly all specific psychiatric conditions (e.g. bipolar disorder, panic disorder, obsessive-compulsive disorder) and includes chapters on clinical approaches to treating these disorders. As such, it will appeal to a wide readership, including psychiatrists, obstetricians, gynecologists and pediatricians.

INTEGRATED SOLID WASTE MANAGEMENT FOR LOCAL GOVERNMENTS

A PRACTICAL GUIDE

Asian Development Bank Improving solid waste management is crucial for countering public health impacts of uncollected waste and environmental impacts of open dumping and burning. This practical reference guide introduces key concepts of integrated solid waste management and identifies crosscutting issues in the sector, derived mainly from field experience in the technical assistance project Mainstreaming Integrated Solid Waste Management in Asia. This guide contains over 40 practice briefs covering solid waste management planning, waste categories, waste containers and collection, waste processing and diversion, landfill development, landfill operations, and contract issues.

FITZGERALD & KINGSLEY'S ELECTRIC MACHINERY

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.

NOISE AND VIBRATION CONTROL ON CONSTRUCTION AND OPEN SITES

BS 5228

EARTH'S CLIMATE RESPONSE TO A CHANGING SUN

For centuries, scientists have been fascinated by the role of the Sun in the Earth's climate system. Recent discoveries, outlined in this book, have gradually unveiled a complex picture, in which our variable Sun affects the climate variability via a number of subtle pathways, the implications of which are only now becoming clear. This handbook provides the scientifically curious, from undergraduate students to policy makers with a complete and accessible panorama of our present understanding of the Sun-climate connection. 61 experts from different communities have contributed to it, which reflects the highly multidisciplinary nature of this topic. The handbook is organised as a mosaic of short chapters, each of which addresses a specific aspect, and can be read independently. The reader will learn about the assumptions, the data, the models, and the unknowns behind each mechanism by which solar variability may impact climate variability. None of these mechanisms can adequately explain global warming observed since the 1950s. However, several of them do impact climate variability, in particular on a regional level. This handbook aims at addressing these issues in a factual way, and thereby challenge the reader to sharpen his/her critical thinking in a debate that is frequently distorted by unfounded claims.

ROCK SLOPE ENGINEERING

CIVIL APPLICATIONS, FIFTH EDITION

CRC Press **Rock Slope Engineering** covers the investigation, design, excavation and remediation of man-made rock cuts and natural slopes, primarily for civil engineering applications. It presents design information on structural geology, shear strength of rock and ground water, including weathered rock. Slope design methods are discussed for planar, wedge, circular and toppling failures, including seismic design and numerical analysis. Information is also provided on blasting, slope stabilization, movement monitoring and civil engineering applications. This fifth edition has been extensively up-dated, with new chapters on weathered rock, including shear strength in relation to weathering grades, and seismic design of rock slopes for pseudo-static stability and Newmark displacement. It now includes the use of

remote sensing techniques such as LiDAR to monitor slope movement and collect structural geology data. The chapter on numerical analysis has been revised with emphasis on civil applications. The book is written for practitioners working in the fields of transportation, energy and industrial development, and undergraduate and graduate level courses in geological engineering.

BLOOD CELLS

A PRACTICAL GUIDE

John Wiley & Sons **Blood Cells** has been written with both the practising haematologist and the trainee in mind. It aims to provide a guide for use in the diagnostic haematology laboratory, covering methods of collection of blood specimens, blood film preparation and staining, the principles of manual and automated blood counts and the assessment of the morphological features of blood cells. The practising haematologist should find this book sufficiently comprehensive to be a reference source while, at the same time, the trainee haematologist and biomedical scientist should find it a straightforward and practical bench manual. Enables both the haematologist and laboratory scientist to identify blood cell features, from the most common to the more obscure Provides essential information on methods of collection, blood film preparation and staining, together with the principles of manual and automated blood counts Completely revised and updated, incorporating much newly published information: now includes advice on further tests when a specific diagnosis is suspected Four hundred high quality photographs to aid with blood cell identification Highlights the purpose and clinical relevance of haematology laboratory tests throughout

FUNDAMENTALS OF ELECTRICAL ENGINEERING

Oxford Series in Electrical and Computer Engineering Divided into four parts: circuits, electronics, digital systems, and electromagnetics, this text provides an understanding of the fundamental principles on which modern electrical engineering is based. It is suitable for a variety of electrical engineering courses, and can also be used as a text for an introduction to electrical engineering.

PERFECT DIGITAL PHOTOGRAPHY

McGraw Hill Professional Written by photography experts--including a Pulitzer-Prize winning National Geographic

photographer--this full-color book is a must-have for amateur photographers serious about improving both the quality of their photographs and their proficiency in the digital darkroom. The book is the perfect combination of a technical treatise on digital imaging and an artistic exploration of light, composition, and form, allowing you to glean the essential techniques needed for digital photography without losing sight of the artistic and aesthetic aspects of the craft. Using an easy-to-follow approach, the authors explain the image conceptualization process through shooting, editing, and image correction to finished print. In addition, top photographers from a variety of disciplines offer real-world advice on how they use digital photography to create compelling images for high-profile magazine articles, advertising campaigns, and fine art prints.

ELEMENTS OF ELECTRICAL MACHINE DESIGN

CRITICIZING PHOTOGRAPHS

McGraw-Hill Education This brief text is designed to help both beginning and advanced students of photography better develop and articulate thoughtful criticism. Organized around the major activities of criticism (describing, interpreting, evaluating, and theorizing), *Criticizing Photographs* provides a clear framework and vocabulary for students' critical skill development.

A GUIDE TO WHAT WORKS FOR ANXIETY DISORDERS

CALIBRATION OF PARTICLE INSTRUMENTS IN SPACE PHYSICS

THE CAMBRIDGE HANDBOOK OF COMPLIANCE

Cambridge University Press Compliance has become key to our contemporary markets, societies, and modes of governance across a variety of public and private domains. While this has stimulated a rich body of empirical and practical expertise on compliance, thus far, there has been no comprehensive understanding of what compliance is or how it influences various fields and sectors. The academic knowledge of compliance has remained siloed along different disciplinary domains, regulatory and legal spheres, and mechanisms and interventions. This handbook bridges these divides to provide the first one-stop overview of what compliance is, how we can best study it, and the core mechanisms that shape it. Written by leading experts, chapters offer perspectives from across law, regulatory

studies, management science, criminology, economics, sociology, and psychology. This volume is the definitive and comprehensive account of compliance.

AMERICAN PHOTOGRAPHY

A CENTURY OF IMAGES

Chronicle Books The companion book to the PBS television series traces the role of photography in American society, from early snapshots of family members to advertising, fine art, documentary journalism, and the Internet

COMPUTER VISION

PRINCIPLES, ALGORITHMS, APPLICATIONS, LEARNING

Academic Press **Computer Vision: Principles, Algorithms, Applications, Learning** (previously entitled **Computer and Machine Vision**) clearly and systematically presents the basic methodology of computer vision, covering the essential elements of the theory while emphasizing algorithmic and practical design constraints. This fully revised fifth edition has brought in more of the concepts and applications of computer vision, making it a very comprehensive and up-to-date text suitable for undergraduate and graduate students, researchers and R&D engineers working in this vibrant subject. See an interview with the author explaining his approach to teaching and learning computer vision - <http://scitechconnect.elsevier.com/computer-vision/> Three new chapters on Machine Learning emphasise the way the subject has been developing; Two chapters cover Basic Classification Concepts and Probabilistic Models; and the The third covers the principles of Deep Learning Networks and shows their impact on computer vision, reflected in a new chapter Face Detection and Recognition. A new chapter on Object Segmentation and Shape Models reflects the methodology of machine learning and gives practical demonstrations of its application. In-depth discussions have been included on geometric transformations, the EM algorithm, boosting, semantic segmentation, face frontalisation, RNNs and other key topics. Examples and applications—including the location of biscuits, foreign bodies, faces, eyes, road lanes, surveillance, vehicles and pedestrians—give the ‘ins and outs’ of developing real-world vision systems, showing the realities of practical implementation. Necessary mathematics and essential theory are made approachable by careful explanations and well-illustrated examples. The ‘recent developments’ sections included in each chapter aim to bring students and practitioners up to date with this fast-moving subject. Tailored programming examples—code,

methods, illustrations, tasks, hints and solutions (mainly involving MATLAB and C++)