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The Electrical Engineering Handbook - Six Volume Set, Third Edition Richard C. Dorf 2006-01-20 In two editions spanning more than a decade, The Electrical Engineering Handbook stands as the definitive reference to the multidisciplinary field of electrical engineering. Our knowledge continues to grow, and so does the Handbook. For the third edition, it has grown into a set of six books carefully focused on specialized areas or fields of study. Each one represents a concise yet definitive collection of key concepts, models, and equations in its respective domain, thoughtfully gathered for convenient access. Combined, they constitute the most comprehensive, authoritative resource available. Circuits, Signals, and Speech and Image Processing presents all of the basic information related to electric circuits and components, analysis of circuits, the use of the Laplace transform, as well as signal, speech, and image processing using filters and algorithms. It also examines emerging areas such as text to speech synthesis, real-time processing, and embedded signal processing. Electronics, Power Electronics, Optoelectronics, Microwaves, Electromagnetics, and Radar delves into the fields of electronics, integrated circuits, power electronics, optoelectronics, electromagnetics, light waves, and radar, supplying all of the basic information required for a deep understanding of each area. It also devotes a section to electrical effects and devices and explores the emerging fields of microlithography and power electronics. Sensors, Nanoscience,

Biomedical Engineering, and Instruments provides thorough coverage of sensors, materials and nanoscience, instruments and measurements, and biomedical systems and devices, including all of the basic information required to thoroughly understand each area. It explores the emerging fields of sensors, nanotechnologies, and biological effects. Broadcasting and Optical Communication Technology explores communications, information theory, and devices, covering all of the basic information needed for a thorough understanding of these areas. It also examines the emerging areas of adaptive estimation and optical communication. Computers, Software Engineering, and Digital Devices examines digital and logical devices, displays, testing, software, and computers, presenting the fundamental concepts needed to ensure a thorough understanding of each field. It treats the emerging fields of programmable logic, hardware description languages, and parallel computing in detail. Systems, Controls, Embedded Systems, Energy, and Machines explores in detail the fields of energy devices, machines, and systems as well as control systems. It provides all of the fundamental concepts needed for thorough, in-depth understanding of each area and devotes special attention to the emerging area of embedded systems. Encompassing the work of the world's foremost experts in their respective specialties, The Electrical Engineering Handbook, Third Edition remains the most convenient, reliable source of information available. This edition features the latest developments, the broadest scope of coverage, and new material on nanotechnologies, fuel cells, embedded systems, and biometrics. The engineering community has relied on the Handbook for more than twelve years, and it will continue to be a platform to launch the next wave of advancements. The Handbook's latest incarnation features a protective slipcase, which helps you stay organized without overwhelming your bookshelf. It is an attractive addition to any collection, and will help keep each volume of the Handbook as fresh as your latest research.

OET Nursing Cambridge Boxhill Cambridge Boxhill Language Assessment 2018-08-17 From the makers of OET.Test and build your English skills with this official OET Nursing resource. This Practice Test Book includes:* Three OET practice tests with answer keys* An overview of OET and how the test is scored* The Test-Taker's Information Guide* Key assessment criteria* Useful language information.***Want to buy both print and kindle versions?***Buy the print book from Amazon.com and you will be given the option to purchase the kindle book at a heavily discounted price.

A HEAT TRANSFER TEXTBOOK John H. Lienhard 2004

Industrial Burners Handbook Jr., Charles E. Baukal 2003-10-29 Rapid development in the field precipitated by the increased demand for clean burner systems has made the Industrial Burners Handbook into the fields go-to resource. With this resource, bestselling author, editor, and combustion expert Charles Baukal, Jr. has put together a comprehensive reference dedicated to the design and applications of indust

Reinforcement Learning, second edition Richard S. Sutton 2018-11-13 The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In Reinforcement Learning,

Richard Sutton and Andrew Barto provide a clear and simple account of the field's key ideas and algorithms. This second edition has been significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the more mathematical material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

Munson, Young and Okiishi's Fundamentals of Fluid Mechanics Andrew L. Gerhart 2020-12-03 Fundamentals of Fluid Mechanics, 9th Edition offers comprehensive topical coverage, with varied examples and problems, application of the visual component of fluid mechanics, and a strong focus on effective learning. The authors have designed their presentation to enable the gradual development of reader confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed. The 9th Edition includes new coverage of finite control volume analysis and compressible flow, as well as a selection of new problems. Continuing this important work's tradition of extensive real-world applications, each chapter includes The Wide World of Fluids case study boxes in each chapter. In addition, there are a wide variety of videos designed to enhance comprehension, support visualization skill building and engage students more deeply with the material and concepts.

ECMO-Extracorporeal Life Support in Adults Fabio Sangalli 2014-04-30 Extracorporeal membrane oxygenation (ECMO) has been in clinical use for some 40 years, but it is only in the past decade that its application in the treatment of life-threatening circulatory and respiratory failure has truly flourished. This book presents a comprehensive overview of both pathophysiological and practical aspects of circulatory and respiratory extracorporeal support. The basics of ECMO, including its history, the "ECMO team", cannulation, materials, and blood-surface interactions, are first discussed. The various indications for and particular characteristics of circulatory and respiratory extracorporeal life support are then described in detail in the main part of the book. Patient care during ECMO and monitoring of the ECMO patient are also carefully covered, with explanation of the management of technical and clinical complications and transport-related problems. Further topics include long-term therapy options beyond ECMO, such as ventricular assist devices and transplants, outcome, the new frontiers of ECMO for organ procurement and future challenges. The authors are well-known experts in the field whose authoritative contributions and attention to practical aspects will be invaluable for novices and experienced practitioners alike.

Introduction to Aircraft Flight Mechanics Thomas R. Yechout 2014 Suitable for use in undergraduate aeronautical engineering

curricula, this title is written for those first encountering the topic by clearly explaining the concepts and derivations of equations involved in aircraft flight mechanics. It also features insights about the A-10 based upon the author's career experience with this aircraft.

Advanced Fluid Dynamics Hyoung Woo Oh 2012-03-09 This book provides a broad range of topics on fluid dynamics for advanced scientists and professional researchers. The text helps readers develop their own skills to analyze fluid dynamics phenomena encountered in professional engineering by reviewing diverse informative chapters herein.

Introduction to Nuclear Engineering John R. Lamarsh 2011-03-04 The text is designed for junior and senior level Nuclear Engineering students. The third edition of this highly respected text offers the most current and complete introduction to nuclear engineering available. Introduction to Nuclear Engineering has been thoroughly updated with new information on French, Russian, and Japanese nuclear reactors. All units have been revised to reflect current standards. In addition to the numerous end-of-chapter problems, computer exercises have been added.

INIS Atomindex 1977

Petroleum Reservoir Rock and Fluid Properties Abhijit Y. Dandekar 2006-02-23 A strong foundation in reservoir rock and fluid properties is the backbone of almost all the activities in the petroleum industry. Petroleum Reservoir Rock and Fluid Properties offers a reliable representation of fundamental concepts and practical aspects that encompass this vast subject area. The book provides up-to-date coverage of vari

High-Performance Modelling and Simulation for Big Data Applications Joanna Ko?odziej 2019-03-25 This open access book was prepared as a Final Publication of the COST Action IC1406 "High-Performance Modelling and Simulation for Big Data Applications (cHiPSet)" project. Long considered important pillars of the scientific method, Modelling and Simulation have evolved from traditional discrete numerical methods to complex data-intensive continuous analytical optimisations. Resolution, scale, and accuracy have become essential to predict and analyse natural and complex systems in science and engineering. When their level of abstraction raises to have a better discernment of the domain at hand, their representation gets increasingly demanding for computational and data resources. On the other hand, High Performance Computing typically entails the effective use of parallel and distributed processing units coupled with efficient storage, communication and visualisation systems to underpin complex data-intensive applications in distinct scientific and technical domains. It is then arguably required to have a seamless interaction of High Performance Computing with Modelling and Simulation in order to store, compute, analyse, and visualise large data sets in science and engineering. Funded by the European Commission, cHiPSet has provided a dynamic trans-European forum for their members and distinguished guests to openly discuss novel perspectives and topics of interests for these two communities. This cHiPSet compendium presents a set of selected case studies related to healthcare, biological data, computational advertising, multimedia, finance, bioinformatics, and telecommunications.

Data Structures Using C++ D. S. Malik 2009-07-31 Now in its second edition, D.S. Malik brings his proven approach to C++

programming to the CS2 course. Clearly written with the student in mind, this text focuses on Data Structures and includes advanced topics in C++ such as Linked Lists and the Standard Template Library (STL). The text features abundant visual diagrams, examples, and extended Programming Examples, all of which serve to illuminate difficult concepts. Complete programming code and clear display of syntax, explanation, and example are used throughout the text, and each chapter concludes with a robust exercise set. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Manual of Analogue Sound Restoration Techniques Peter Copeland 2008

Aircraft Performance & Design John David Anderson 1999 Written by one of the most succesful aerospace authors, this new book develops aircraft performance techniques from first principles and applies then to real airplanes. It also address a philosophy of, and techniques for aircraft design. By developing and discussing these two subjects in a single text, the author captures a degree of synergism not found in other texts. The book is written in a conversational style, a trademark of all of John Anderson's texts, to enhance the readers' understanding.

The Woody Plant Seed Manual United States. Forest Service 2008

A Dictionary of Epidemiology Miquel S. Porta 2014 This edition is the most updated since its inception, is the essential text for students and professionals working in and around epidemiology or using its methods. It covers subject areas - genetics, clinical epidemiology, public health practice/policy, preventive medicine, health promotion, social sciences and methods for clinical research.

Digital Marketing Strategy Simon Kingsnorth 2016-05-03 The modern marketer needs to learn how to employ strategic thinking alongside the use of digital media to deliver measurable and accountable business success. Digital Marketing Strategy covers the essential elements of achieving exactly this by guiding you through every step of creating your perfect digital marketing strategy. This book analyzes the essential techniques and platforms of digital marketing including social media, content marketing, SEO, user experience, personalization, display advertising and CRM, as well as the broader aspects of implementation including planning, integration with overall company aims and presenting to decision makers. Simon Kingsnorth brings digital marketing strategy to life through best practice case studies, illustrations, checklists and summaries, to give you insightful and practical guidance. Rather than presenting a restrictive 'one size fits all' model, this book gives you the tools to tailor-make your own strategy according to your unique business needs and demonstrates how an integrated and holistic approach to marketing leads to greater success. Digital Marketing Strategy is also supported by a wealth of online resources, including budget and strategy templates, lecture slides and a bonus chapter.

Galactic Patrol E. E. Smith 2018-08-22 The Galactic Patrol is a combination military force and interstellar law-enforcement agency, charged with the defense and preservation of Civilization. However, Kinnison and Clarissa MacDougall become the penultimates of

the human breeding program the Arisians had set up many eons earlier...

An Introduction to Computational Fluid Dynamics Henk Kaarle Versteeg 2007 This book presents the fundamentals of computational fluid dynamics for the novice. It provides a thorough yet user-friendly introduction to the governing equations and boundary conditions of viscous fluid flows and its modelling.

Handbook of Human Factors and Ergonomics Gavriel Salvendy 2012-05-24 The fourth edition of the Handbook of Human Factors and Ergonomics has been completely revised and updated. This includes all existing third edition chapters plus new chapters written to cover new areas. These include the following subjects: Managing low-back disorder risk in the workplace Online interactivity Neuroergonomics Office ergonomics Social networking HF&E in motor vehicle transportation User requirements Human factors and ergonomics in aviation Human factors in ambient intelligent environments As with the earlier editions, the main purpose of this handbook is to serve the needs of the human factors and ergonomics researchers, practitioners, and graduate students. Each chapter has a strong theory and scientific base, but is heavily focused on real world applications. As such, a significant number of case studies, examples, figures, and tables are included to aid in the understanding and application of the material covered.

Textbook of Dynamics Frank Chorlton 1983

The Female Thermometer Terry Castle 1995 A collection of the author's essays on the history and development of female identity from the 18th to the early 20th centuries. Throughout the book are woven themes which are constant in Castle's work: fantasy, hallucination, travesty, transgression and sexual ambiguity.

Chaos and Fractals Heinz-Otto Peitgen 2013-06-29 For almost ten years chaos and fractals have been enveloping many areas of mathematics and the natural sciences in their power, creativity and expanse. Reaching far beyond the traditional bounds of mathematics and science to the realms of popular culture, they have captured the attention and enthusiasm of a worldwide audience. The fourteen chapters of the book cover the central ideas and concepts, as well as many related topics including, the Mandelbrot Set, Julia Sets, Cellular Automata, L-Systems, Percolation and Strange Attractors, and each closes with the computer code for a central experiment. In the two appendices, Yuval Fisher discusses the details and ideas of fractal image compression, while Carl J.G. Evertsz and Benoit Mandelbrot introduce the foundations and implications of multifractals.

Modern Marine Engineer's Manual Alan Osbourne 1965 Volume II of the manual that has been absolutely indispensable to the ship's engineer for over forty years was completely updated by a team of practicing marine engineers in 1991. Chapters on obsolete equipment were deleted; those on systems that are still current were updated; and new chapters were written to cover the innovations in materials, machines, and operating practices that evolved recently.

Computational Fluid Mechanics and Heat Transfer, Second Edition Richard H. Pletcher 1997-04-01 This comprehensive text provides basic fundamentals of computational theory and computational methods. The book is divided into two parts. The first part covers material fundamental to the understanding and application of finite-difference methods. The second part illustrates the use of

such methods in solving different types of complex problems encountered in fluid mechanics and heat transfer. The book is replete with worked examples and problems provided at the end of each chapter.

Viscous Fluid Flow Frank M. White 1991 Designed for higher level courses in viscous fluid flow, this text presents a comprehensive treatment of the subject. This revision retains the approach and organization for which the first edition has been highly regarded, while bringing the material completely up-to-date. It contains new information on the latest technological advances and includes many more applications, thoroughly updated problems and exercises.

Peterson's Stress Concentration Factors Walter D. Pilkey 2020-01-07 The bible of stress concentration factors—updated to reflect today's advances in stress analysis This book establishes and maintains a system of data classification for all the applications of stress and strain analysis, and expedites their synthesis into CAD applications. Filled with all of the latest developments in stress and strain analysis, this Fourth Edition presents stress concentration factors both graphically and with formulas, and the illustrated index allows readers to identify structures and shapes of interest based on the geometry and loading of the location of a stress concentration factor. Peterson's Stress Concentration Factors, Fourth Edition includes a thorough introduction of the theory and methods for static and fatigue design, quantification of stress and strain, research on stress concentration factors for weld joints and composite materials, and a new introduction to the systematic stress analysis approach using Finite Element Analysis (FEA). From notches and grooves to shoulder fillets and holes, readers will learn everything they need to know about stress concentration in one single volume. Peterson's is the practitioner's go-to stress concentration factors reference Includes completely revised introductory chapters on fundamentals of stress analysis; miscellaneous design elements; finite element analysis (FEA) for stress analysis Features new research on stress concentration factors related to weld joints and composite materials Takes a deep dive into the theory and methods for material characterization, quantification and analysis methods of stress and strain, and static and fatigue design Peterson's Stress Concentration Factors is an excellent book for all mechanical, civil, and structural engineers, and for all engineering students and researchers.

Creature Codex Wolfgang Baur 2018-10 A Rampage of New 5th Edition Monsters! DM: "A mysterious figure in a cloak approaches you in the tavern..." PALADIN: "Aha! This must be a wizard with a map to a dungeon!" DM: "...and he's ticking." ROGUE: "RUN!" Whether you need scuttling dungeon denizens, alien horrors, or sentient avatars of the World Tree, the Creature Codex has you covered! Nearly 400 new foes for your 5e game--everything from acid ants and grave behemoths to void giants and zombie lords. Creature Codex includes: * A dozen new demons, and five new angels * Wasteland dragons and dinosaurs * All-new golems, including the altar flame golem, doom golem, and keg golem * Monsters inspired by Mesoamerican, Hindustani, and Asian legends and folklore * Chieftains and other leaders for ratfolk, centaurs, goblins, trollkin, and more * New undead, including a heirophant lich suitable for lower-level characters (but plenty tough!) ...and much more! Use them in your favorite published setting, or populate the dungeons in a world of your own creation. Pick up Creature Codex and surprise your players with monsters they won't be expecting!

The Community Planning Handbook Nick Wates 2010-09-23 Growing numbers of residents are getting involved with professionals

in shaping their local environment, and there is now a powerful range of methods available, from design workshops to electronic maps. The Community Planning Handbook is the essential starting point for all those involved - planners and local authorities, architects and other practitioners, community workers, students and local residents. It features an accessible how-to-do-it style, best practice information on effective methods, and international scope and relevance. Tips, checklists and sample documents help readers to get started quickly, learn from others' experience and to select the approach best suited to their situation. The glossary, bibliography and contact details provide quick access to further information and support.

An Introduction to Numerical Methods and Analysis James F. Epperson 2013-06-06 Praise for the First Edition ". . . outstandingly appealing with regard to its style, contents, considerations of requirements of practice, choice of examples, and exercises." —Zentrablatt Math ". . . carefully structured with many detailed worked examples . . ." —The Mathematical Gazette ". . . an up-to-date and user-friendly account . . ." —Mathematika An Introduction to Numerical Methods and Analysis addresses the mathematics underlying approximation and scientific computing and successfully explains where approximation methods come from, why they sometimes work (or don't work), and when to use one of the many techniques that are available. Written in a style that emphasizes readability and usefulness for the numerical methods novice, the book begins with basic, elementary material and gradually builds up to more advanced topics. A selection of concepts required for the study of computational mathematics is introduced, and simple approximations using Taylor's Theorem are also treated in some depth. The text includes exercises that run the gamut from simple hand computations, to challenging derivations and minor proofs, to programming exercises. A greater emphasis on applied exercises as well as the cause and effect associated with numerical mathematics is featured throughout the book. An Introduction to Numerical Methods and Analysis is the ideal text for students in advanced undergraduate mathematics and engineering courses who are interested in gaining an understanding of numerical methods and numerical analysis.

Boilers and Burners Prabir Basu 2012-12-06 A joint effort of three continents, this book is about rational utilization of the fossil fuels for generation of heat or power. It provides a synthesis of two scientific traditions: the high-performance, but often proprietary, Western designs, and the elaborate national standards based on less advanced Eastern designs; it presents both in the same Western format. It is intended for engineers and advanced undergraduate and graduate students with an interest in steam power plants, burners, or furnaces. The text uses a format of practice based on theory: each chapter begins with an explanation of a process, with basic theory developed from first principles; then empirical relationships are presented and, finally, design methods are explained by worked out examples. It will thus provide researchers with a resource for applications of theory to practice. Plant operators will find solutions to and explanations of many of their daily operational problems. Designers will find this book ready with required data, design methods and equations. Finally, consultants will find it very useful for design evaluation.

Complete Guide for Growing Plants Hydroponically J. Benton Jones, Jr. 2014-02-13 With the continued implementation of new equipment and new concepts and methods, such as hydroponics and soilless practices, crop growth has improved and become more efficient. Focusing on the basic principles and practical growth requirements, the Complete Guide for Growing Plants

Hydroponically offers valuable information for the commercial grower, the researcher, the hobbyist, and the student interested in hydroponics. It provides details on methods of growing that are applicable to a range of environmental growing systems. The author begins with an introduction that covers the past, present, and future of hydroponics. He also describes the basic concepts behind how plants grow, followed by several chapters that present in-depth practical details for hydroponic growing systems: The essential plant nutrient elements The nutrient solution Rooting media Systems of hydroponic culture Hydroponic application factors These chapters cover the nutritional requirements of plants and how to best prepare and use nutrient solutions to satisfy plant requirements, with different growing systems and rooting media, under a variety of conditions. The book gives many nutrient solution formulas and discusses the advantages and disadvantages of various hydroponic systems. It also contains a chapter that describes a school project, which students can follow to generate nutrient element deficiency symptoms and monitor their effects on plant growth.

Numerical Computation of Internal and External Flows, Volume 2 Charles Hirsch 1991-01-08 Numerical Computation of Internal and External Flows Volume 2: Computational Methods for Inviscid and Viscous Flows C. Hirsch, Vrije Universiteit Brussel, Brussels, Belgium This second volume deals with the applications of computational methods to the problems of fluid dynamics. It complements the first volume to provide an excellent reference source in this vital and fast growing area. The author includes material on the numerical computation of potential flows and on the most up-to-date methods for Euler and Navier-Stokes equations. The coverage is comprehensive and includes detailed discussion of numerical techniques and algorithms, including implementation topics such as boundary conditions. Problems are given at the end of each chapter and there are comprehensive reference lists. Of increasing interest, the subject has powerful implications in such crucial fields as aeronautics and industrial fluid dynamics. Striking a balance between theory and application, the combined volumes will be useful for an increasing number of courses, as well as to practitioners and researchers in computational fluid dynamics. Contents Preface Nomenclature Part V: The Numerical Computation of Potential Flows Chapter 13 The Mathematical Formulations of the Potential Flow Model Chapter 14 The Discretization of the Subsonic Potential Equation Chapter 15 The Computation of Stationary Transonic Potential Flows Part VI: The Numerical Solution of the System of Euler Equations Chapter 16 The Mathematical Formulation of the System of Euler Equations Chapter 17 The Lax - Wendroff Family of Space-centred Schemes Chapter 18 The Central Schemes with Independent Time Integration Chapter 19 The Treatment of Boundary Conditions Chapter 20 Upwind Schemes for the Euler Equations Chapter 21 Second-order Upwind and High-resolution Schemes Part VII: The Numerical Solution of the Navier-Stokes Equations Chapter 22 The Properties of the System of Navier-Stokes Equations Chapter 23 Discretization Methods for the Navier-Stokes Equations Index Participatory Research Jo Aldridge 2015-02-11 This book examines the nature of participatory research in the social sciences and its role in increasing participation among vulnerable or marginalised populations. Drawing on engaging in-depth case studies, it examines the ways in which inclusion and collaboration in research can be enhanced among vulnerable participants, such as those with profound learning difficulties, victims of abuse and trauma and multiply vulnerable children and young people, and shows how

useful it can be with these groups. The book will be an invaluable resource for students, researchers and academics in many countries who want to put participatory research methods into practice.

Discovering Life, Manufacturing Life Pierre V. Vignais 2010-06-21 Francis BACON, in his Novum Organum, Robert BOYLE, in his Skeptical Chemist and René DESCARTES, in his Discourse on Method; all of these men were witnesses to the th scientific revolution, which, in the 17 century, began to awaken the western world from a long sleep. In each of these works, the author emphasizes the role of the experimental method in exploring the laws of Nature, that is to say, the way in which an experiment is designed, implemented according to tried and tested te- niques, and used as a basis for drawing conclusions that are based only on results, with their margins of error, taking into account contemporary traditions and prejudices. Two centuries later, Claude BERNARD, in his Introduction to the Study of Experimental Medicine, made a passionate plea for the application of the experimental method when studying the functions of living beings. Twenty-first century Biology, which has been fertilized by highly sophisticated techniques inherited from Physics and Chemistry, blessed with a constantly increasing expertise in the manipulation of the genome, initiated into the mysteries of information techn- ogy, and enriched with the ever-growing fund of basic knowledge, at times appears to have forgotten its roots.

The Modern Satiric Grotesque and Its Traditions John R. Clark 2021-05-11 Thomas Mann predicted that no manner or mode in literature would be so typical or so pervasive in the twentieth century as the grotesque. Assuredly he was correct. The subjects and methods of our comic literature (and much of our other literature) are regularly disturbing and often repulsive—no laughing matter. In this ambitious study, John R. Clark seeks to elucidate the major tactics and topics deployed in modern literary dark humor. In Part I he explores the satiric strategies of authors of the grotesque, strategies that undercut conventional usage and form: the de-basement of heroes, the denigration of language and style, the disruption of normative narrative technique, and even the debunking of authors themselves. Part II surveys major recurrent themes of grotesquerie: tedium, scatology, cannibalism, dystopia, and Armageddon or the end of the world. Clearly the literature of the grotesque is obtrusive and ugly, its effect morbid and disquieting—and deliberately meant to be so. Grotesque literature may be unpleasant, but it is patently insightful. Indeed, as Clark shows, all of the strategies and topics employed by this literature stem from age-old and spirited traditions. Critics have complained about this grim satiric literature, asserting that it is dank, cheerless, unsavory, and negative. But such an interpretation is far too simplistic. On the contrary, as Clark demonstrates, such grotesque writing, in its power and its prevalence in the past and present, is in fact conventional, controlled, imaginative, and vigorous—no mean achievements for any body of art.

Handbook of Plant Nutrition Allen V. Barker 2016-04-19 The burgeoning demand on the world food supply, coupled with concern over the use of chemical fertilizers, has led to an accelerated interest in the practice of precision agriculture. This practice involves the careful control and monitoring of plant nutrition to maximize the rate of growth and yield of crops, as well as their nutritional value.

Ayahuasca: Between Cognition and Culture Ismael Eduardo Apud Peláez 2020-03-01 This book summarizes Ismael Apud's

ethnographic research in the field of ayahuasca, conducted in Latin America and Catalonia over a period of 10 years. To analyze the variety of ayahuasca spiritual practices and beliefs, the author combines different approaches, including medical anthropology, cognitive science of religion, history of science, and religious studies. Ismael Apud is a psychologist and anthropologist from Uruguay, with a PhD in Anthropology at Universitat Rovira i Virgili.