

AGRICOLTURA / AGRICULTURE**Agricoltura / Agriculture**

Hoanh C. T.

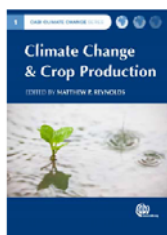
Tropical Deltas and Coastal Zones Food Production, Communities and Environment at the Land-Water Interface

ril. 9781845936181 Lst 120 pagg. 496; illustrazioni: 122;

Cabi Publishing (01/05/2010)

Agricoltura / Agriculture

Tropical coastal deltas represent one of the most diverse and rapidly changing biophysical regions in the developing world. These deltas are home to large populated areas, are significant centres of agricultural production and industrial development, and contain fragile ecosystems that are now facing new threats as a result of expected sea-level rises associated with global warming. Focusing on the developing countries of Asia, Africa and South America, chapters explore the diverse livelihoods of people in these areas and the impact of land-water management on the environment. New techniques and methodologies are explored in land and water management to try and solve the conflicts between rice-based agriculture, aquaculture, fisheries and the environment in tropical delta regions. Illustrating how to protect tropical deltaic systems in the face of serious future challenges



Reynolds M.P.

Climate Change and Crop Production

ril. 9781845936334 Lst 85 pagg. 320;

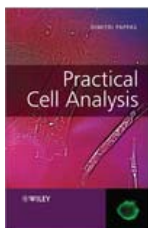
Cabi Publishing (01/05/2010)

Agricoltura / Agriculture

Current trends in population growth suggest that global food production is unlikely to satisfy future demand under predicted climate change scenarios unless rates of crop improvement are accelerated. In order to maintain food security in the face of these challenges, a holistic approach that includes stress-tolerant germplasm, sustainable crop and natural resource management, and sound policy interventions will be needed. The first volume in the CABI Climate Change Series, this book will provide an overview of the essential disciplines required for sustainable crop production in unpredictable environments. Chapters include discussions of adapting to biotic and abiotic stresses, sustainable and resource-conserving technologies and new tools for enhancing crop adaptation. Examples of successful applications as well as future prospects of how each discipline can be expected to evolve over the next 30 years are also presented

CHIMICA / CHEMISTRY

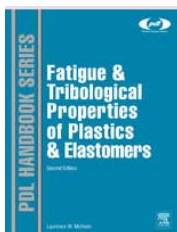
Chimica Analitica / Analytic Chemistry



Pappas D.
Practical Cell Analysis
ril. 9780470741559 Lst 50 pagg. 314;
Wiley (01/02/2010)
Chimica Analitica / Analytic Chemistry

As analytical chemistry and biology move closer together, biologists are performing increasingly sophisticated analytical techniques on cells. Chemists are also turning to cells as a relevant and important sample to study newly developed methods. Practical Cell Analysis provides techniques, hints, and time-saving tips explaining what may be "common knowledge" to one field but are often hidden or unknown to another

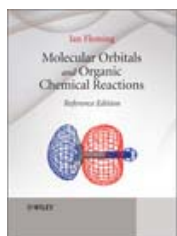
Chimica Industriale / Industrial Chemistry



McKen L.W.
Fatigue and Tribological Properties of Plastics and Elastomers
ril. 9780080964508 Lst 200 pagg. 312;
Academic Press (26/01/2010)
Chimica Industriale / Industrial Chemistry

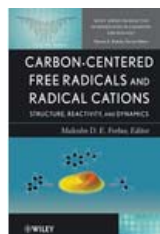
Suitable for engineers and scientists involved in the plastics industry and product design with plastics, this work provides a comprehensive collection of graphical multipoint data and tabular data covering fatigue and tribology

Chimica Organica / Organic Chemistry



Fleming I.
Molecular Orbitals and Organic Chemical Reactions: Reference Edition
ril. 9780470746585 Lst 100 pagg. 528;
Wiley (01/03/2010)
Chimica Organica / Organic Chemistry

Molecular orbital theory is used by chemists to describe the arrangement of electrons in chemical structures. It is also a theory capable of giving some insight into the forces involved in the making and breaking of chemical bonds—the chemical reactions that are often the focus of an organic chemist's interest. Organic chemists with a serious interest in understanding and explaining their work usually express their ideas in molecular orbital terms, so much so that it is now an essential component of every organic chemist's skills to have some acquaintance with molecular orbital theory



Forbes M.D.
Carbon-Centered Free Radicals and Radical Cations: Structure, Reactivity, and Dynamics
ril. 9780470390092 Lst 83,50 pagg. 370;
Wiley (01/03/2010)
Chimica Organica / Organic Chemistry

With its focus on the chemistry of carbon-centered radicals and radical cations, this book helps readers fully exploit the synthetic utility of these intermediates in order to prepare fine chemicals and pharmaceutical products. Moreover, it helps readers better understand their role in complex atmospheric reactions and biological systems. Thoroughly up to date, the book highlights the most advanced computational and experimental methods available for studying and using these critically important intermediates.



Larson G.L.

Ionic and Organometallic-Catalyzed Organosilane Reductions

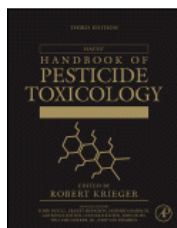
br. 9780470547878 Lst 66,95 pagg. 756;

Wiley (25/02/2010)

Chimica Organica / Organic Chemistry

Reviews reductions with organosilanes. This book includes both ionic and catalyst-mediated reaction types, with appropriate reference to reaction mechanisms where they have been elucidated. It provides a wide variety of organic functional group reductions by organosilicon hydrides, and includes discussion of asymmetric reductions

Tossicità / Toxicity



Krieger R.

Hayes' Handbook of Pesticide Toxicology 2 Vols set - 3/e

ril. 9780123743671 Lst 425 pagg. 2000;

Academic Press (29/03/2010)

Tossicità / Toxicity -FARMACOLOGIA / PHARMACOLOGY-Tecnologia di insetticidi ed erbicidi

The Handbook of Pesticide Toxicology is a comprehensive, two-volume reference guide to the properties, effects, and regulation of pesticides that provides the latest and most complete information to researchers investigating the environmental, agricultural, veterinary, and human-health impacts of pesticide use. Written by international experts from academia, government, and the private sector, the Handbook of Pesticide Toxicology is an in-depth examination of critical issues related to the need for, use of, and nature of chemicals used in modern pest management. This updated third edition carries on the book's tradition of serving as the definitive reference on pesticide toxicology and recognizes the seminal contribution of Wayland J. Hayes, Jr., co-Editor of the first edition

INFORMATICA / COMPUTER SCIENCE**Informatica / Computer Science**

Große D.

Quality-Driven SystemC Design

ril. 9789048136308 Eur 103,95 pagg. 170;

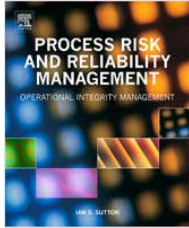
Springer Verlag (01/01/2010)

Informatica / Computer Science

Faced with the steadily increasing complexity and rapidly shortening time-to-market requirements designing electronic systems is a very challenging task. To manage this situation effectively the level of abstraction in modeling has been raised during the past years in the computer aided design community. Meanwhile, for the so-called system-level design the system description language SystemC has become the de facto standard

INGEGNERIA / ENGINEERING

Ingegneria / Engineering



Sutton I.

Process Risk and Reliability Management Operational Integrity Management

ril. 9781437778052 Lst 117,99 pagg. 800;

William Andrew Publishing (12/04/2010)

Ingegneria / Engineering

Many companies are looking to go beyond mere regulatory compliance and to expand their Process Safety Management (PSM) programs to increase performance. This book helps managers and technical professionals who are seeking to make the transition from PSM to the management of risk and reliability.

Ingegneria Delle Telecomunicazioni / Telecommunications Engineering



Lin Du K.

Wireless Communication Systems - From RF Subsystems to 4G Enabling Technologies

ril. 9780521114035 Lst 55 pagg. 952;

Cambridge U.P. (30/04/2010)

Ingegneria Delle Telecomunicazioni / Telecommunications Engineering -INGEGNERIA ELETTRICA -ELETTRONICA / ELECTRICAL -ELECTRONIC ENGINEERING

This practically-oriented, all-inclusive guide covers all the major enabling techniques for current and next-generation cellular communications and wireless networking systems. Technologies covered include CDMA, OFDM, UWB, turbo and LDPC coding, smart antennas, wireless ad hoc and sensor networks, MIMO, and cognitive radios, providing readers with everything they need to master wireless systems design in a single volume. Uniquely, a detailed introduction to the properties, design, and selection of RF subsystems and antennas is provided, giving readers a clear overview of the whole wireless system.

Ingegneria Elettrica -Elettronica / Electrical -Electronic Engineering



Chakraborty S.

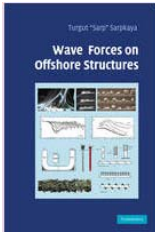
Microfluidics and Microfabrication

ril. 9781441915429 Eur 135,15 pagg. 351;

Springer Verlag (01/02/2010)

Ingegneria Elettrica -Elettronica / Electrical -Electronic Engineering

Microfluidics and Microfabrication discusses the interconnect between microfluidics, microfabrication and the life sciences. Specifically, this includes fundamental aspects of fluid mechanics in micro-scale and nano-scale confinements and microfabrication. Material is also presented discussing micro-textured engineered surfaces, high-performance AFM probe-based, micro-grooving processes, fabrication with metals and polymers in bio-micromanipulation and microfluidic applications

Ingegneria Idraulica / Hydraulic Engineering

Sarpkaya T.

Wave Forces on Offshore Structures

ril. 9780521896252 Lst 60 pagg. 336;

Cambridge U.P. (30/04/2010)

Ingegneria Idraulica / Hydraulic Engineering

A thorough understanding of the interaction of waves and currents with offshore structures has now become a vital factor in the safe and economical design of various offshore technologies. There has been a significant increase in the research efforts to meet this need. Although considerable progress has been made in the offshore industry and in the understanding of the interaction of waves, currents, and wind with ocean structures, most of the available books concentrate only on practical applications without a grounding in the physics

Ingegneria Meccanica / Mechanical Engineering

Lindroos V.

Handbook of Silicon Based MEMS Materials and Technologies

ril. 9780815515944 Lst 147,99 pagg. 672;

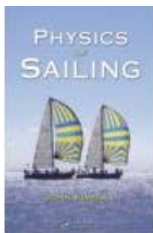
William Andrew Publishing (26/02/2010)

Ingegneria Meccanica / Mechanical Engineering -INGEGNERIA DEI MATERIALI / MATERIALS ENGINEERING

A guide to MEMS materials, technologies and manufacturing, examining the state of the art with a particular emphasis on current and future applications. It covers topics such as: silicon as MEMS material; material properties and measurement techniques; analytical methods used in materials characterization; modeling in MEMS; and, measuring MEMS

SCIENZE FISICO-MATEMATICHE / MATHEMATICS AND

Fisica / Physics



Kimball J.

Physics of Sailing

br. 9781420073768 Lst 31,99 pagg. 296;

CRC Press (01/01/2010)

Fisica / Physics

Breaking down the complicated concepts of speed, acceleration, torque, fluid mechanics, and surface physics, *Physics of Sailing* provides a lively, easily accessible introduction to the basic science underlying the sport of sailing. It illustrates the many ways physics can be used to understand the principles of sailboat propulsion and how a scientific understanding of the boat, wind, and water can lead to more skillful sailing. After a brief but insightful tour of the history of sailing, the book explores the physics involved in making faster sailing crafts for both upwind and downwind sailing, including Newton's impact theory of fluid resistance and lift and drag phenomena. It compares possible sail shapes, presents measurements of hull smoothness, and describes wind turbulence, the nature of water waves, and the structure of wakes. Using the physics of optics, the author also explains the connection between water's appearance and the wind. Along with a glossary of sailing terms, he includes many examples throughout to illustrate the concepts in practice.



Macleod H.A.

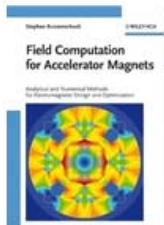
Thin-Film Optical Filters 4/e

ril. 9781420073027 Lst 89 pagg. 800;

CRC Press (15/03/2010)

Fisica / Physics

Written by a world-renowned authority of optical coatings, *Thin-Film Optical Filters*, Fourth Edition presents an introduction to thin-film optical filters for both manufacturers and users. The preeminent author covers an assortment of design, manufacture, performance, and application topics. He also includes enough of the basic mathematics of optical thin films to enable readers to carry out thin-film calculations. This new edition of a bestseller retains most of the descriptions of older design techniques because of their importance in understanding how designs work. However, this edition includes a substantial amount of new material as well. A new chapter on color takes into account the increasing importance of color in optical coatings. In addition, a new section discusses the effects of gain in optical coatings.



Russenschuck S.

Field Computation for Accelerator Magnets: Analytical and Numerical Methods for Electromagnetic Design and Optimization

ril. 9783527407699 Lst 170 pagg. 778;

Wiley-Vch (01/03/2010)

Fisica / Physics

Alongside the mathematical foundations of field computation, this book concentrates on its application to the electromagnetic design of accelerator magnets and solenoids. The methods presented here have been implemented in the CERN field computation program, ROXIE, which is thus applied to the integrated design process, from the concept phase to CAD/CAM and the tracing of manufacturing errors. In turn, the design problems are arranged according to the mathematical methods required for their solution, thus emphasizing their universal use in other challenging applications in electrical engineering. It also highlights the fact that many of the aspects have a role to play in real-world applications.



Stacey W.M.

Fusion: An Introduction to the Physics and Technology of Magnetic Confinement Fusion - 2/e

ril. 9783527409679 Lst 80 pagg. 262;

Wiley-Vch (01/02/2010)

Fisica / Physics

This second edition of a popular textbook is thoroughly revised with around 25% new and updated content. It provides an introduction to both plasma physics and fusion technology at a level that can be understood by advanced undergraduates and graduate students in the physical sciences and related engineering disciplines.

As such, the contents cover various plasma confinement concepts, the support technologies needed to confine the plasma, and the designs of ITER as well as future fusion reactors. With end of chapter problems for use in courses.



Yun Wang

Dark Energy

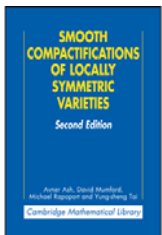
ril. 9783527409419 Lst 70 pagg. 256;

Wiley-Vch (01/02/2010)

Fisica / Physics

A systematic, carefully authored review of our current observational and theoretical knowledge of dark energy. Providing a brief and concise overview, the book covers theory and experiment in equal detail, directly linking the two. A final section also looks at future developments. Indispensable for researchers entering this rapidly evolving field.

Matematica / Mathematics



Ash

Smooth Compactifications of Locally Symmetric Varieties 2/e

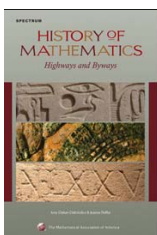
Series: *Cambridge Mathematical Library*

br. 9780521739559 Lst 29,99 pagg. 240;

Cambridge U.P. (01/01/2010)

Matematica / Mathematics

The new edition of this celebrated and long-unavailable book preserves the original book's content and structure and its unrivalled presentation of a universal method for the resolution of a class of singularities in algebraic geometry. At the same time, the book has been completely re-typeset, errors have been eliminated, proofs have been streamlined, the notation has been made consistent and uniform, an index has been added, and a guide to recent literature has been added. The book brings together ideas from algebraic geometry, differential geometry, representation theory and number theory, and will continue to prove of value for researchers and graduate students in these areas



Dahan-Dalmédico A.

History of Mathematics - Highways and Byways

ril. 9780883855621 Lst 40 pagg. 242;

Cambridge U.P. (01/01/2010)

Matematica / Mathematics

This is a novel, short, and eminently readable history of mathematics. Many histories provide a chronological history of the entire subject, which can sometimes make it difficult to follow the development of a particular branch over time. Dahan-Delmmédico and Pfeiffer succeed splendidly in tracing each branch from its beginnings forward. They also give an outstanding account of how the Arabs not only preserved Greek mathematics, but extended it in the 800 year period from 400–1200. The large number of informative illustrations support the text and contribute to what is a great read



Kheyfits A.

A PRIMER IN COMBINATORICS

br. 9783110226737 Eur 39,95 pagg. 350;

De Gruyter (01/05/2010)

Matematica / Mathematics

This textbook on Combinatorics and Graph Theory systematically implements the following approach: Every section begins with simple model problems. Following their detailed analysis, the reader is led through the derivation of all definitions, concepts and methods for solving typical problems. Theorems are then formulated, proved and illustrated by more problems. Topics covered are elementary counting, graphs and trees, hierarchical clustering, enumerative combinatorics, existence theorems



O' Hagan

The Oxford Handbook of Applied Bayesian Analysis

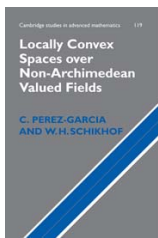
Oxford Handbooks in Mathematics

ril. 9780199548903 Lst 85 pagg. 896; illustrazioni: 200;

Oxford U.P. (01/04/2010)

Matematica / Mathematics -STATISTICA / STATISTICS

This Handbook explores contemporary Bayesian analysis across a variety of application areas. Chapters written by leading exponents of applied Bayesian analysis showcase the scientific ease and natural application of Bayesian modelling, and present solutions to real, engaging, societally important and demanding problems. The chapters are grouped into five general areas: Biomedical & Health Sciences; Industry, Economics & Finance; Environment & Ecology; Policy, Political & Social Sciences; and Natural & Engineering Sciences, and Appendix material in each touches on key concepts, models, and techniques of the chapter that are also of broader pedagogic and applied interest



Perez-Garcia C.

Locally Convex Spaces over Non-Archimedean Valued Fields

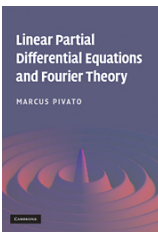
Series: Cambridge Studies in Advanced Mathematics

ril. 9780521192439 Lst 65 pagg. 486;

Cambridge U.P. (01/01/2010)

Matematica / Mathematics

Non-Archimedean functional analysis, where alternative but equally valid number systems such as p-adic numbers are fundamental, is a fast-growing discipline widely used not just within pure mathematics, but also applied in other sciences, including physics, biology and chemistry. This book is the first to provide a comprehensive treatment of non-Archimedean locally convex spaces. The authors provide a clear exposition of the basic theory, together with complete proofs and new results from the latest research. A guide to the many illustrative examples provided, end-of-chapter notes and glossary of terms all make this book easily accessible to beginners at the graduate level, as well as specialists from a variety of disciplines.



Pivato M.

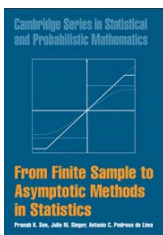
Linear Partial Differential Equations and Fourier Theory

ril. 9780521199704 Lst 70 br. 9780521136594 Lst 35 pagg. 630;

Cambridge U.P. (01/01/2010)

Matematica / Mathematics

Do you want a rigorous book that remembers where PDEs come from and what they look like? This highly visual introduction to linear PDEs and initial/boundary value problems connects the math to physical reality, all the time providing a rigorous mathematical foundation for all solution methods. Readers are gradually introduced to abstraction – the most powerful tool for solving problems – rather than simply drilled in the practice of imitating solutions to given examples. The book is therefore ideal for students in mathematics and physics who require a more theoretical treatment than given in most introductory texts



Sen P.K.

From Finite Sample to Asymptotic Methods in Statistics

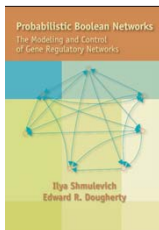
Series: Cambridge Series in Statistical and Probabilistic Mathematics

ril. 9780521877220 Lst 45 pagg. 398;

Cambridge U.P. (01/02/2010)

Matematica / Mathematics -STATISTICA / STATISTICS

Exact statistical inference may be employed in diverse fields of science and technology. As problems become more complex and sample sizes become larger, mathematical and computational difficulties can arise that require the use of approximate statistical methods. Such methods are justified by asymptotic arguments but are still based on the concepts and principles that underlie exact statistical inference. With this in perspective, this book presents a broad view of exact statistical inference and the development of asymptotic statistical inference, providing a justification for the use of asymptotic methods for large samples. Methodological results are developed on a concrete and yet rigorous mathematical level and are applied to a variety of problems that include categorical data, regression

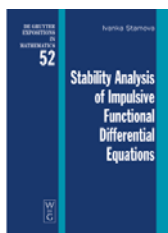


Shmulevich I.

Probabilistic Boolean Networks - The Modeling and Control of Gene Regulatory Networks

br. 9780898716924 Lst 35,99 pagg. 275;
Cambridge U.P. (01/01/2010)
Matematica / Mathematics

The first comprehensive treatment of probabilistic Boolean networks (an important model class for studying genetic regulatory networks), this book covers basic model properties, including the relationships between network structure and dynamics, steady-state analysis, and relationships to other model classes. As the PBN model can serve as a mathematical framework for studying the basic issues of systems-based genomics, the book builds a rigorous mathematical foundation for exploring these issues, which include long-run dynamical properties and how these correspond to therapeutic goals; the effect of complexity on model inference and the resulting consequences of model uncertainty; altering network dynamics via structural intervention, such as perturbing gene logic; optimal control of regulatory networks over time; limitations imposed on the ability to achieve optimal control owing to model complexity; and the effects of asynchronicity

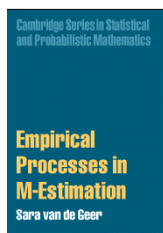


Stamova I.

STABILITY ANALYSIS OF IMPULSIVE FUNCTIONAL DIFFERENTIAL EQUATIONS

ril. 9783110221817 Eur 99,95 pagg. 230;
De Gruyter (01/02/2010)
Matematica / Mathematics

This book is devoted to impulsive functional differential equations which are a natural generalization of impulsive ordinary differential equations without delay) and of functional differential equations (without impulses). At the present time the qualitative theory of such equations is under rapid development. After a presentation of the fundamental theory of existence, uniqueness and continuability of solutions, a systematic development of stability theory for that class of problems is given which makes the book unique. It addresses to a wide audience such as mathematicians, applied researchers and practitioners.



van de Geer S.

Empirical Processes in M-Estimation

br. 9780521123259 Lst 21,99 pagg. 300;
Cambridge U.P. (01/02/2010)
Matematica / Mathematics

The theory of empirical processes provides valuable tools for the development of asymptotic theory in (nonparametric) statistical models, and makes possible the unified treatment of a number of them. This book reveals the relation between the asymptotic behaviour of M-estimators and the complexity of parameter space. Virtually all results are proved using only elementary ideas developed within the book; there is minimal recourse to abstract theoretical results. To make the results concrete, a detailed treatment is presented for two important examples of M-estimation, namely maximum likelihood and least squares



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