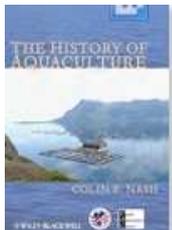# AGRICOLTURA / AGRICULTURE

Agricoltura / Agriculture

Nash C.

The History of Aquaculture
ril. 9780813821634 £ 66,95   pagg. 244;
Wiley-Blackwell (01/01/2011)
Agricoltura / Agriculture

Aquaculture has become of the fastest growing segments of agriculture around the world, but until recently many people have been unaware of its existence. The practice of raising fish is centuries old with a rich history of techniques and scientific advances. The History of Aquaculture traces the development of fish farming from its ancient roots to the technologically advanced methods of today
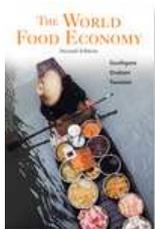
Olson K.
Economics of Farm Management in a Global Setting
ril. 9780470592434 £ 39,99   pagg. 560;
Wiley (15/12/2010)
Agricoltura / Agriculture

Agricultural economics students require the right blend of tools and knowledge to become future farm managers. Olson's Economics of Farm Management in a Global Setting focuses on running a farm as a business. This text prepares students in strategic and operational business planning while covering all essential topics from long-term financing to biofuels. In today's world where successful farms are subject to ever changing urban, rural, labor, demographics, and technological factors, Olson's text provides a clear focus and methodology for undergraduate Farm Management students
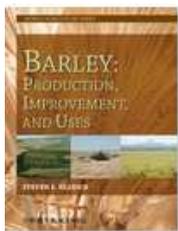
Southgate D.D.
The World Food Economy, 2nd Edition
br. 9780470593622   £ 46,95 pagg. 464;
Wiley (15/12/2010)
Agricoltura / Agriculture

Population growth and food supply have long been of central concern to economists. The World Food Economy examines the lessons of the past while assessing 21st century and future challenges, including food shortages, global hunger, and economic inequality. With the demand for food and the population growing at an unprecedented rate, this text provides students with a timely, relevant, and unique overview of the world of agricultural production.

Ullrich S.E.
Barley: Production, Improvement, and Uses
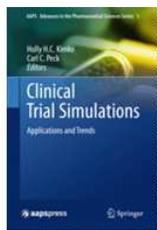ril. 9780813801230
 £ 170   pagg. 640;
Wiley-Blackwell (01/01/2011)
Agricoltura / Agriculture

Barley is one of the world's most important crops with uses ranging from food and feed production, malting and brewing to its use as a model organism in molecular research. The demand and uses of barley continue to grow and there is a need for an up-to-date comprehensive reference that looks at all aspects of the barley crop from taxonomy and morphology through to end use. Barley will fill this increasing void. Barley will stand as a must have reference for anyone researching, growing, or utilizing this important crop

Novità e prossime pubblicazioni dagli editori stranieri

CHIMICA / CHEMISTRY
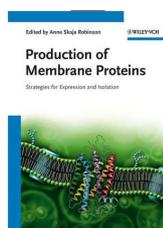
Biochimica / Biochemistry

Kimko, H. H
Clinical Trial Simulations
Series: AAPS Advances in the Pharmaceutical Sciences Series

ril. 9781441974143 Eur 155,95   pagg. 358; illustrazioni: 167;
Springer Verlag (01/11/2011)
Biochimica / Biochemistry

This edition presents a review of the principles and progress surrounding clinical trial simulations (CTS), along with case studies illustrating CTS in various therapeutic and application areas. In addition, the book expands on the utility of CTS for informing decisions during drug development and regulatory review. Each chapter has been written by esteemed authors who have demonstrated expertise in state-of-the-art application of CTS
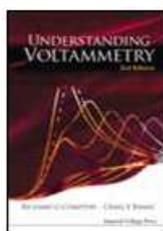
Skaja Robinson A.
Production of Membrane Proteins: Strategies for Expression and Isolation
ril. 9783527327294 £ 75   pagg. 432;
Wiley (01/06/2011)
Biochimica / Biochemistry

Designed as a research-level guide to current strategies and methods of membrane protein production on the small to intermediate scale, this practice-oriented book provides detailed, step-by-step laboratory protocols as well as an explanation of the principles behind each method, together with a discussion of its relative advantages and disadvantages. Following an introductory section on current challenges in membrane protein production, the book goes on to look at expression systems, emerging methods and approaches, and protein specific considerations

Chimica / Chemistry

Compton R.G.
UNDERSTANDING VOLTAMMETRY 2/e
ril. 9781848165854 £ 71 br. 9781848165861   £ 40 pagg. 444;
World Scientific Publishing (01/01/2011)
Chimica / Chemistry

The power of electrochemical measurements in respect of thermodynamics, kinetics and analysis is widely recognized but the subject can be unpredictable to the novice even if they have a strong physical and chemical background, especially if they wish to pursue the study of quantitative measurements further. Accordingly, some significant experiments are perhaps wisely never attempted while the literature is sadly replete with flawed attempts at rigorous voltammetry
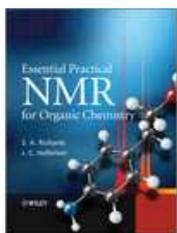
Molloy K.C.
Group theory for chemists: Fundamental theory and applications 2/E
  br. 9780857092403   £ 35 pagg. 232;
Woodhead Publishing Ltd (01/01/2011)
Chimica / Chemistry

The basics of group theory and its applications to themes such as the analysis of vibrational spectra and molecular orbital theory are essential knowledge for the undergraduate student of inorganic chemistry. The second edition of Group Theory for Chemists uses diagrams and problem-solving to help students test and improve their understanding, including a new section on the application of group theory to electronic spectroscopy

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Novità e prossime pubblicazioni dagli editori stranieri

AZIENDA CON SISTEMA DI
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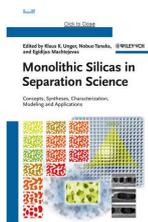## Chimica Analitica / Analytic Chemistry

Richards S.
Essential Practical NMR for Organic Chemistry
ril. 9780470710920 £ 45   pagg. 228;
Wiley (15/12/2010)
Chimica Analitica / Analytic Chemistry -CHIMICA ORGANICA / ORGANIC CHEMISTRY

This book describes the use of NMR spectroscopy for dealing with problems of small organic molecule structural elucidation. It features a significant amount of vital chemical shift and coupling information but more importantly, it presents sound principles for the selection of the techniques relevant to the solving of particular types of problem, whilst stressing the importance of extracting the maximum available information from the simple 1-D proton experiment and of using this to plan subsequent experiments

Unger K.K.
Monolithic Silicas in Separation Science: Concepts, Syntheses, Characterization, Modeling and Applications
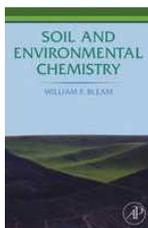ril. 9783527325757 £ 90   pagg. 362;
Wiley-Vch (01/01/2011)
Chimica Analitica / Analytic Chemistry

Edited by the experts and pioneers in the field, this is the first monograph to cover the topic, containing the must-have information hitherto only scattered among journals .Clearly divided into sections on preparation, characterization and modeling, and applications, this is essential reading for chemists, chromatographers, analytical chemists, biochemists and biologists

Chimica Del Suolo / Soil Chemistry

Bleam W.F.
Soil and Environmental Chemistry
ril. 9780123849809 £ 54,99   pagg. 496;
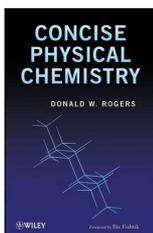Academic Press (28/02/2011)
Chimica Del Suolo / Soil Chemistry

Emphasizes the problem solving skills students need when they enter their chosen field. This title combines soil chemistry concepts into the 'big picture' by discussing how other soil and environmental factors affect the soil chemical concepts. It includes examples and complex problems with worked solutions

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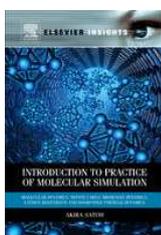## Chimica Fisica / Physical Chemistry

Rogers D.W.
Concise Physical Chemistry
br. 9780470522646   £ 66,95 pagg. 408;
Wiley (01/01/2011)
Chimica Fisica / Physical Chemistry

This book is a physical chemistry textbook that presents the essentials of physical chemistry as a logical sequence from its most modest beginning to contemporary research topics. Many books currently on the market focus on the problem sets with a cursory treatment of the conceptual background and theoretical material, whereas this book is concerned only with the conceptual development of the subject. Comprised of 19 chapters, the book will address ideal gas laws, real gases, the thermodynamics of simple systems, thermochemistry, entropy and the second law, the Gibbs free energy, equilibrium, statistical approaches to thermodynamics, the phase rule, chemical kinetics, liquids and solids, solution chemistry, conductivity, electrochemical cells, atomic theory, wave mechanics of simple systems, molecular orbital theory, experimental determination of molecular structure, and photochemistry and the theory of chemical kinetics

Satoh, A.
Introduction to Practice of Molecular Simulation
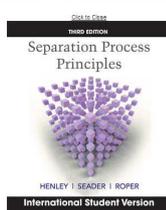ril. 9780123851482 £ 95   pagg. 330;
Academic Press (16/12/2010)
Chimica Fisica / Physical Chemistry

This book presents the most important and main concepts of the molecular and microsimulation techniques. It enables readers to improve their skills for developing simulation programs by providing physical problems and sample simulation programs for them to use. It provides tools to develop skills in developing simulations programs. It includes sample simulation programs for the reader to use. Appendix explains Fortran and C languages in simple terms to allow the non-expert to use them

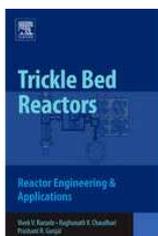## Chimica Industriale / Industrial Chemistry

Henley E.J.
Separation Process Principles 3/e
International Student Version
br. 9780470646113   £ 48,99 pagg. 800;
Wiley (01/02/2011)
Chimica Industriale / Industrial Chemistry

Separation Process Principles, 3rd Edition is the most comprehensive and up-to-date treatment of the major separation operations in the chemical industry. This third edition is renamed Separation Process Principles -- Chemical and Biochemical Operations to reflect the inclusion of bioseparations in several chapters. Extraordinary advances that are being made in the biological fields could significantly help solve world problems in the energy, environmental, and health areas. To help provide instruction in the important bioseparations area, a new author has been added for this edition, D. Keith Roper, who has extensive industrial and academic experience in bioseparations

Vivek V. Ranade
Trickle Bed Reactors: Reactor Engineering & Applications
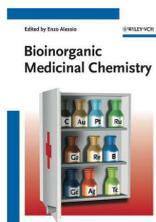ril. 9780444527387 £ 160   pagg. 280;
Elsevier Science Publishers (01/03/2011)
Chimica Industriale / Industrial Chemistry

This book provides a hybrid methodology for engineering of trickle bed reactors by integrating conventional reaction engineering models with state-of-the-art computational flow models. The content may be used in several ways and at various stages in the engineering process: it may be used as a basic resource for making appropriate reactor engineering decisions in practice; as study material for a course on reactor design, operation, or optimization of trickle bed reactors; or in solving practical reactor engineering problems. It facilitates development of high fidelity models for industrial applications. It also facilitates selection and application of appropriate models. It guides development and application of computational models to trickle beds

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Chimica Inorganica / Inorganic Chemistry

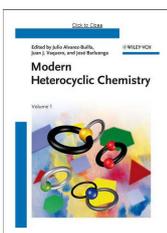Alessio E.
Bioinorganic Medicinal Chemistry
ril. 9783527326310 £ 115   pagg. 115;
Wiley-Vch (01/01/2011)
Chimica Inorganica / Inorganic Chemistry

This book gives a comprehensive overview about medicinal inorganic chemistry. Topics like targeting strategies, mechanism of action, Pt-based antitumor drugs, radiopharmaceuticals are covered in detail and offer the reader an in-depth overview about this important topic
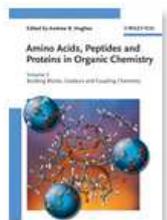
Chimica Organica / Organic Chemistry

Barluenga J.
Modern Heterocyclic Chemistry
ril. 9783527312429 £ 245   pagg. 1000;
Wiley-Vch (01/03/2011)
Chimica Organica / Organic Chemistry

The must-have reference in the field of heterocyclic compounds, comprehensively covering their synthesis, structure and chemical and physical properties. By presenting only the important facts, this handbook succeeds in being complete while containing the information in just two volumes. An up-to-date source of high-quality information for all organic and medicinal chemists working in this field in industry and academia
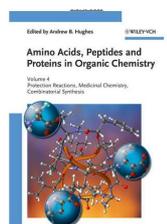
Hughes A.B.
Amino Acids, Peptides and Proteins in Organic Chemistry: Volume 3 - Building Blocks, Catalysis and Coupling Chemistry
ril. 9783527321025 £ 130   pagg. 604;
Wiley-Vch (15/12/2010)
Chimica Organica / Organic Chemistry

Closing a gap in the literature, this is the only book series in 6 volumes to cover this important topic in organic and biochemistry. Drawing upon the combined expertise of the international "who's who" in amino acid research, this series is a real benchmark for amino acid chemistry, providing a comprehensive discussion of the occurrence, uses and applications of amino acids and, by extension, their polymeric forms, peptides and proteins. The practical value of each volume is heightened by the inclusion of experimental procedures
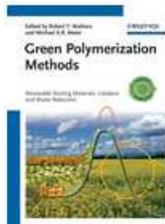
Hughes A.B.
Amino Acids, Peptides and Proteins in Organic Chemistry: Volume 4: Protection Reactions, Medicinal Chemistry, Combinatorial Synthesis
ril. 9783527321032 £ 130   pagg. 548;
Wiley-Vch (01/03/2011)
Chimica Organica / Organic Chemistry

Closing a gap in the literature, this is the only book series in 6 volumes to cover this important topic in organic and biochemistry. Drawing upon the combined expertise of the international "who's who" in amino acid research, this series is a real benchmark for amino acid chemistry, providing a comprehensive discussion of the occurrence, uses and applications of amino acids and, by extension, their polymeric forms, peptides and proteins. The practical value of each volume is heightened by the inclusion of experimental procedures

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Mathers R.T.
Green Polymerization Methods: Renewable Starting Materials, Catalysis and Waste Reduction
ril. 9783527326259 £ 115   pagg. 372;
Wiley-Vch (01/02/2011)
Chimica Organica / Organic Chemistry

This first book to cover the topic in such great detail summarizes and evaluates the latest developments in green polymerization methods. Leading experts in the field discuss new every aspect -- from renewable materials to waste reduction, and from biocatalysis to solvent-free methods. Of high interest to polymer, synthetic and material scientists in academia and industry

Sotriffer C.
Virtual Screening: Principles, Challenges, and Practical Guidelines
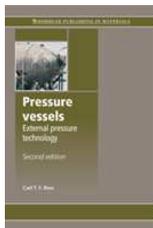ril. 9783527326365 £ 125   pagg. 550;
Wiley-Vch (01/01/2011)
Chimica Organica / Organic Chemistry

A comprehensive and up-to-date overview, this is both a desktop reference and practical guide for virtual screening applications in drug discovery. Clearly divided into three major sections, the first on principles provides a detailed description of the methods required for and applied in virtual screening, while the second discusses the most important challenges in order to improve the impact and success of virtual screening. Finally, the third, practical part contains several case studies covering the most important scenarios for new drug discovery, accompanied by general guidelines for the entire workflow of virtual screening studies

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INGEGNERIA / ENGINEERING

Ingegneria / Engineering

Ross C.T.F
Pressure vessels: External pressure technology 2/e
ril. 9780857092489 £ 150   pagg. 480;
Woodhead Publishing Ltd (01/03/2011)
Ingegneria / Engineering

The second edition opens with an overview of the types of vessels under external pressure and materials used for construction. Axisymmetric deformation and different types of instability are discussed in the following chapters, with chapters 5 and 6 covering vibration of pressure vessel shells, both in water and out. Chapters 7 and 8 focus on novel pressure hulls, covering design, vibration and collapse, while chapters 9 and 10 concentrate on the design and non-linear analysis of submarine pressure hulls under external hydrostatic pressure...........
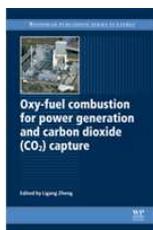
Xu H.
Thermal barrier coatings
ril. 9781845696580 £ 135   pagg. 360;
Woodhead Publishing Ltd (01/01/2011)
Ingegneria / Engineering

Effective coatings are essential to counteract the effects of corrosion and degradation of exposed materials in high-temperature environments such as gas turbine engines. Thermal barrier coatings reviews the latest advances in processing and performance of thermal barrier coatings, as well as their failure mechanisms

Zheng L.
Oxy-fuel combustion for power generation and carbon dioxide (CO2) capture
ril. 9781845696719 £ 145   pagg. 416;
Woodhead Publishing Ltd (01/01/2011)
Ingegneria / Engineering

Oxy-fuel combustion is currently considered to be one of the major technologies for carbon dioxide (CO2) capture in power plants. The advantages of using oxygen (O2) instead of air for combustion include a CO2-enriched flue gas that is ready for sequestration following purification and low NOx emissions. This simple and elegant technology has attracted considerable attention since the late 1990s, rapidly developing from pilot-scale testing to industrial demonstration

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Ingegneria Civile / Civil Engineering

Fangueiro R.
Fibrous and composite materials for civil engineering applications
ril. 9781845695583 £ 145   pagg. 400;
Woodhead Publishing Ltd (01/03/2011)
Ingegneria Civile / Civil Engineering

The use of fibrous materials in civil engineering, both as structural reinforcement and in non-structural applications such as geotextiles, is an important and interesting development. Fibrous and composite materials for civil engineering applications analyses the types and properties of fibrous textile and structures and their applications in reinforcement and civil engineering
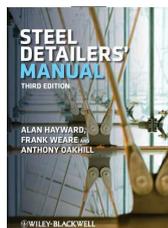
Hansen K.
Civil Engineer's Handbook of Professional Practice
ril. 9780470438411 £ 90   pagg. 600;
Wiley (01/03/2011)
Ingegneria Civile / Civil Engineering

There is a growing understanding that to be competitive at an international level, Civil Engineers must build on their traditional strengths in technology and science with greater mastery of the business of Civil Engineering, the "softer" skills of management, teamwork, ethics, leadership, communication. These skills have been defined as essential to the successful practice of Civil Engineering by the ASCE Body of Knowledge Task Force and can be gained through formal education or experience
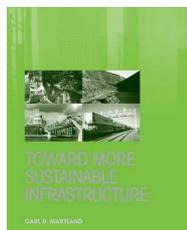
Hayward A.
Steel Detailers' Manual 3/e
ril. 9781405175210 £ 49,50   pagg. 176;
Wiley-Blackwell (01/03/2011)
Ingegneria Civile / Civil Engineering

This highly illustrated manual provides practical guidance on structural steelwork detailing. It: describes the common structural shapes in use and how they are joined to form members and complete structures explains detailing practice and conventions provides detailing data for standard sections, bolts and welds emphasises the importance of tolerances in order to achieve proper site fit-up discusses the important link between good detailing and construction costs Examples of structures include single and multi-storey buildings, towers and bridges. The detailing shown will be suitable in principle for fabrication and erection in many countries, and the sizes shown will act as a guide to preliminary design. The third edition has been revised to take account of the new Eurocodes on structural steel work, together with their National Annexes. The new edition also takes account of developments in 3-D modelling techniques and it includes more CAD standard library details

Martland C.D.
Project Evaluation
ril. 9780470448762 £ 36,99   pagg. 500;
Wiley (01/02/2011)
Ingegneria Civile / Civil Engineering

Toward More Sustainable Infrastructure: Project Evaluation for Planners and Engineers provides readers a framework for understanding and evaluating infrastructure projects to improve their performance and sustainability, taking into account not only the financial and economic issues, but also the social and environmental impacts that affect the sustainability of infrastructure. Based on a course designed developed by the author over ten years at M.I.T., this text demonstrates how to apply the basic methods of engineering economics in evaluating major infrastructure projects and also demonstrates how these same techniques can be useful with many routine business and personal decisions. It introduces students to project management, system performance, concepts of sustainability, methods of engineering economics, and provides numerous case studies, examples, and exercises based upon real world problems
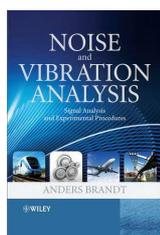
Muhammad A.
Building materials in civil engineering
br. 9780857092250   £ 55 pagg. 208;
Woodhead Publishing Ltd (01/01/2011)
Ingegneria Civile / Civil Engineering

Scientific computing is about developing mathematical models, numerical methods and computer implementations to study and solve real problems in science, engineering, business and even social sciences. Mathematical modelling requires deep understanding of classical numerical methods. This essential guide provides the reader with sufficient foundations in these areas to venture into more advanced texts

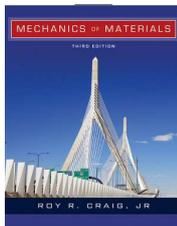## Ingegneria Dei Materiali / Materials Engineering

Brandt A.
Noise and Vibration Analysis: Signal Analysis and Experimental Procedures
ril. 9780470746448 £ 75   pagg. 464;
Wiley (01/02/2011)
Ingegneria Dei Materiali / Materials Engineering -INGEGNERIA MECCANICA / MECHANICAL ENGINEERING

Noise and Vibration Analysis is a complete and practical guide that combines both signal processing and modal analysis theory with their practical application in noise and vibration analysis. It provides an invaluable, integrated guide for practicing engineers as well as a suitable introduction for students new to the topic of noise and vibration. Taking a practical learning approach, Brandt includes exercises that allow the content to be developed in an academic course framework or as supplementary material for private and further study.
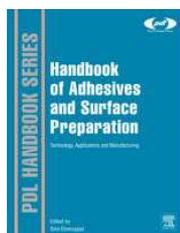
Craig R.R.
Mechanics of Materials 3/e
ril. 9780470481813 £ 49,99   pagg. 856;
Wiley (01/01/2011)
Ingegneria Dei Materiali / Materials Engineering

The core concepts of equilibrium, force-temparature-deformation behavior of materials, and geometry of deformation are central to a students understanding of mechanics of materials. The third edition of roy craig s mechanics of materials maintains its signature clear focus on these core concepts while showing students how to approach and solve problems with his four-step problem solving methodology
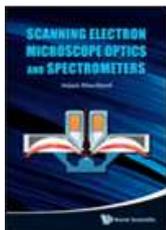
Ebnesajjad S.
Handbook of Adhesives and Surface Preparation: Technology, Applications & Manufacturing
ril. 9781437744613 £ 155   pagg. 448;
Elsevier Science Publishers (13/12/2010)
Ingegneria Dei Materiali / Materials Engineering

"The Applied Handbook of Adhesives" provides a thoroughly practical survey of all aspects of adhesives technology from selection and surface preparation to industrial applications and health and environmental factors. The resulting handbook is a hard-working reference for a wide range of engineers and technicians working in the adhesives industry and a variety of industry sectors that make considerable use of adhesives. Particular attention is given to adhesives applications in the automotive, aerospace, medical, dental and electronics sectors.
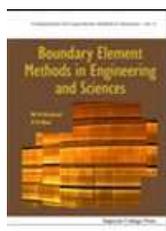
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Khursheed A.
SCANNING ELECTRON MICROSCOPE OPTICS AND SPECTROMETERS
ril. 9789812836670 £ 74   pagg. 416;
World Scientific Publishing (01/01/2011)
Ingegneria Dei Materiali / Materials Engineering

This book contains proposals to redesign the scanning electron microscope, so that it is more compatible with other charged particle beam instrumentation and analytical techniques commonly used in surface science research. It emphasizes the concepts underlying spectrometer designs in the scanning electron microscope, and spectrometers are discussed under one common framework so that their relative strengths and weaknesses can be more readily appreciated. This is done, for the most part, through simulations and derivations carried out by the author himself
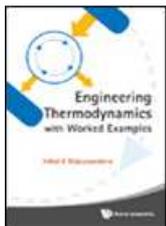
Ingegneria Meccanica / Mechanical Engineering

Aliabadi M.H.
BOUNDARY ELEMENT METHODS IN ENGINEERING AND SCIENCES
Series: Computational and Experimental Methods in Structures
ril. 9781848165793 £ 86   pagg. 412;
World Scientific Publishing (01/01/2011)
Ingegneria Meccanica / Mechanical Engineering

The boundary element method (BEM), also known as the boundary integral equation method (BIEM), is a modern numerical technique which has enjoyed increasing popularity over the past two decades. It is now an established alternative to traditional computational methods of engineering analysis. The main advantage of the BEM is its unique ability to provide a complete solution in terms of boundary values only, with substantial savings in modeling effort
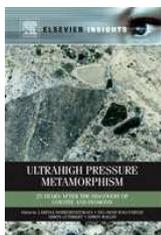
Wijeysundera N.E.
ENGINEERING THERMODYNAMICS WITH WORKED EXAMPLES
ril. 9789814293136 £ 98 br. 9789814293143   £ 51 pagg. 724;
World Scientific Publishing (01/01/2011)
Ingegneria Meccanica / Mechanical Engineering

The book includes all the subject matter covered in a typical undergraduate course in engineering thermodynamics. It includes a series of worked examples in each chapter, carefully chosen to expose students to diverse applications of engineering thermodynamics. Each worked example is designed to be representative of a class of physical problems. At the end of each chapter, there are an additional 10 to 15 problems for which numerical answers are provided

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AZIENDA CON SISTEMA DI
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SCIENZA DELLA TERRA /EARTH SCIENCE

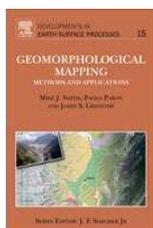## Geologia / Geology

Dobrzhinetskaya L.
Ultrahigh Pressure Metamorphism: 25 Years After the Discovery of Coesite and Diamond
ril. 9780123851444 £ 105   pagg. 634;
Elsevier Science Publishers (01/03/2011)
Geologia / Geology

Ultrahigh pressure metamorphism (UHPM) is a relatively new but fast growing discipline related to the deep subduction of slabs of continental and/or oceanic crust into the Earth's mantle and their return towards the surface as important components of mountain belts. The discipline was established ~25 years ago after discoveries of high pressure minerals, coesite and diamond, in the rocks of the continental affinities, a place where such minerals are 'forbiden' according to main geological concepts. Exposures of HP/UHP rocks, once thought to be restricted to European Mountain systems, are being found in Asia, Africa, South and North Americas and Greenland. They provide us with valuable information on the mineral assemblages, fluid inclusions, microstructures, rheologies, major and trace element chemistries, stable and radiogenic isotope characteristics and timing relationships in slabs that have been subducted to depth up to some 200-250 km. Geologic processes under UHP conditions are by their very nature difficult to unravel because of the intense overprinting experienced by the rocks on their way back up to the Earth's surface

Smith M.
Geomorphological Mapping: Methods and Applications
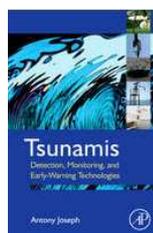*Series: Developments in Earth Surface Processes*
ril. 9780444534460 £ 100
Elsevier Science Publishers (01/04/2011)
Geologia / Geology

 "Geomorphological Mapping": a professional handbook of techniques and applications is a new book targeted at academics and practitioners who use, or wish to utilise, geomorphological mapping within their work. Synthesising for the first time an historical perspective to geomorphological mapping, field based and digital tools and techniques for mapping and an extensive array of case studies from academics and professionals active in the area. Those active in geomorphology, engineering geology, reinsurance, Environmental Impact Assessors, and allied areas, will find the text of immense value

Metereologia / Metereology

Joseph A.
Tsunamis: Detection, Monitoring, and Early-warning Technologies
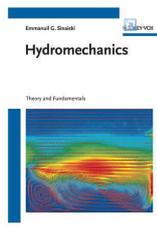ril. 9780123850539 £ 78,99   pagg. 448;
Academic Press (29/03/2011)
Metereologia / Metereology

The devastating impacts of tsunamis have received increased focus since the Indian Ocean tsunami of 2004, the most devastating tsunami in over 400 years of recorded history. This professional reference is the first of its kind: it provides a globally inclusive review of the current state of tsunami detection technology and will be a much-needed resource for oceanographers and marine engineers working to upgrade and integrate their tsunami warning systems. It focuses on the two main tsunami warning systems (TWS): International and Regional. Featured are comparative assessments of detection, monitoring, and real-time reporting technologies

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SCIENZE FISICO-MATEMATICHE / MATHEMATICS AND

Fisica / Physics

Sinaiski E.G.
Hydromechanics: Theory and Fundamentals
ril. 9783527410262 £ 115   pagg. 518;
Wiley-Vch (01/02/2011)
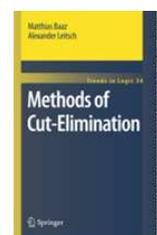*Fisica / Physics*

Written by an experienced author with a strong background in applications of this field, this monograph provides a comprehensive and detailed account of the theory behind hydromechanics. He includes numerous appendices with mathematical tools, backed by extensive illustrations. The result is a must-have for all those needing to apply the methods in their research, be it in industry or academia
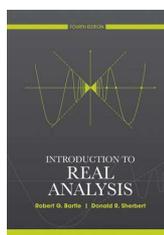
Matematica / Mathematics

Arbarello, E.
Geometry of Algebraic Curves
Series: Grundlehren der mathematischen Wissenschaften
ril. 9783540426882 Eur 93,55   pagg. 928;
Springer Verlag (01/01/2011)
Matematica / Mathematics

The second volume of the Geometry of Algebraic Curves is devoted to the foundations of the theory of moduli of algebraic curves. Its authors are research mathematicians who have actively participated in the development of the Geometry of Algebraic Curves. The subject is an extremely fertile and active one, both within the mathematical community and at the interface with the theoretical physics community. The approach is unique in its blending of algebro-geometric, complex analytic and topological/combinatorial methods
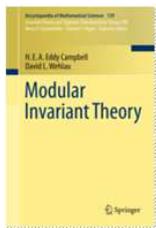
Baaz M.
Methods of Cut-Elimination
Series: Trends in Logic
ril. 9789400703193 Eur 103,95   pagg. 287;
Springer Verlag (01/01/2011)
Matematica / Mathematics

This book on methods of cut-elimination contains a thorough and rigorous analysis of reductive cut-elimination methods and an in-depth presentation of the recent method CERES developed by the authors. It includes a detailed complexity analysis and comparison of CERES and of reductive methods. It presents several applications of CERES—to interpolation, fast cut-elimination, generalization of proofs and to the analysis of mathematical proofs. Finally, it provides an extension of CERES to non-classical logics, in particular to finitely-valued logics and to Gödel logic
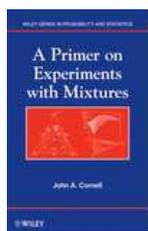
Bartle R.G.
Introduction to Real Analysis, 4th Edition
ril. 9780471433316 £ 108   pagg. 416;
Wiley (01/02/2011)
Matematica / Mathematics

This text provides the fundamental concepts and techniques of real analysis for students in all of these areas. It helps one develop the ability to think deductively, analyze mathematical situations, and extend ideas to a new context. Like the first three editions, this edition maintains the same spirit and user-friendly approach with additional examples and expansion on Logical Operations and Set Theory. There is also content revision in the following areas: Introducing point-set topology before discussing continuity, including a more thorough discussion of limsup and limimf, covering series directly following sequences, adding coverage of Lebesgue Integral and the construction of the reals, and drawing student attention to possible applications wherever possible

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Campbell, H.E.A
Modular Invariant Theory
Series: Encyclopaedia of Mathematical Sciences
ril. 9783642174032 Eur 93,55   pagg. 233;
Springer Verlag (01/01/2011)
Matematica / Mathematics

This book covers the modular invariant theory of finite groups, the case when the characteristic of the field divides the order of the group. It explains a theory that is more complicated than the study of the classical non-modular case, and it describes many open questions.Largely self-contained, the book develops the theory from its origins up to modern results. It explores many examples, illustrating the theory and its contrast with the better understood non-modular setting. It details techniques for the computation of invariants for many modular representations of finite groups, especially the case of the cyclic group of prime order. It includes detailed examples of many topics as well as a quick survey of the elements of algebraic geometry and commutative algebra as they apply to invariant theory
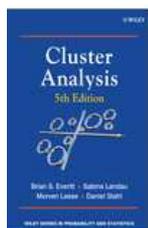
Cornell J.A.
A Primer on Experiments with Mixtures
ril. 9780470643389 £ 73,50   pagg. 368;
Wiley (01/04/2011)
Matematica / Mathematics -STATISTICA / STATISTICS

This book shows readers how to design and set up basic mixture experiments, then analyze the data and draw inferences from the results. It encompasses useful techniques and provides worked examples for every method used. It is an abridged version of the author's best-selling, more advanced title on EXPERIMENTS WITH MIXTURES, along with additional exercises, further transitional commentary, new material on generalized linear models and mixture transformations, and new examples where appropriate

Curto, R. E
Elementary Operators and Their Applications - 3rd International Workshop held at Queen's University Belfast, 14-17 April 2009
ril. 9783034800365 Eur 93,55   pagg. 154;
Springer Verlag (01/02/2011)
Matematica / Mathematics

This volume contains solicited articles by speakers at the workshop ranging from expository surveys to original research papers, each of which carefully refereed. They all bear witness to the very rich mathematics that is connected with the study of elementary operators, may it be multivariable spectral theory, the invariant subspace problem or tensor products of C*-algebras

Everitt B.S.
Cluster Analysis, 5th Edition
ril. 9780470749913 £ 55   pagg. 346;
Wiley (01/01/2011)
Matematica / Mathematics

This edition provides a thorough revision of the fourth edition which focuses on the practical aspects of cluster analysis and covers new methodology in terms of longitudinal data and provides examples from bioinformatics. Real life examples are used throughout to demonstrate the application of the theory, and figures are used extensively to illustrate graphical techniques. This book includes an appendix of getting started on cluster analysis using R, as well as a comprehensive and up-to-date bibliography

Grätzer, G
Lattice Theory: Foundation
br. 9783034800174   Eur 67,55 pagg. 614;
Birkhauser (01/02/2011)
Matematica / Mathematics

This book started with <i>Lattice Theory, First Concepts</i>, in 1971. Then came <i>General Lattice Theory</i>, First Edition, in 1978, and the Second Edition twenty years later. Since the publication of the first edition in 1978, <i>General Lattice Theory</i> has become the authoritative introduction to lattice theory for graduate students and the standard reference for researchers. The First Edition set out to introduce and survey lattice theory. Some 12,000 papers have been published in the field since then; so <i>Lattice Theory: Foundation</i> focuses on introducing the field, laying the foundation for special topics and applications. <i>Lattice Theory: Foundation</i>, based on the previous three books, covers the fundamental concepts and results. The main topics are distributivity, congruences, constructions, modularity and semimodularity, varieties, and free products
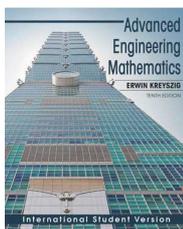
Janas, J
Spectral Theory and Analysis - Conference on Operator Theory, Analysis and Mathematical Physics (OTAMP) 2008, Bedlewo, Poland
Series: Operator Theory: Advances and Applications
ril. 9783764399931 Eur 144,56   pagg. 172;
Birkhauser (01/02/2011)
Matematica / Mathematics

This volume contains the proceedings of the OTAMP 2008 (Operator Theory, Analysis and Mathematical Physics) conference held at the Mathematical Research and Conference Center in Bedlewo near Poznan. It is composed of original research articles describing important results presented at the conference, some with extended review sections, as well as presentations by young researchers. Special sessions were devoted to random and quasi-periodic differential operators, orthogonal polynomials, Jacobi and CMV matrices, and quantum graphs. The contributions also reflect new trends in spectral theory, where much emphasis is given to operators with magnetic fields and non-self-adjoint problems

Kreyszig E.
Advanced Engineering Mathematics 10/e
International Student Version
br. 9780470646137   £ 47,99 pagg. 1250;
Wiley (01/03/2011)
Matematica / Mathematics

This market-leading text is known for its comprehensive coverage, careful and correct mathematics, outstanding exercises, and self contained subject matter parts for maximum flexibility. The new edition continues with the tradition of providing instructors and students with a comprehensive and up-to-date resource for teaching and learning engineering mathematics, that is, applied mathematics for engineers and physicists, mathematicians and computer scientists, as well as members of other disciplines
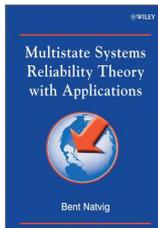
Maz'ya, Vladimir
Sobolev Spaces - with Applications to Elliptic Partial Differential Equations 2/e
Series: Grundlehren der mathematischen Wissenschaften
ril. 9783642155635 Eur 135,15   pagg. 872;
Springer Verlag (01/02/2011)
Matematica / Mathematics

Sobolev spaces play an outstanding role in modern analysis, in particular, in the theory of partial differential equations and its applications in mathematical physics. They form an indispensable tool in approximation theory, spectral theory, differential geometry etc. The theory of these spaces is of interest in itself being a beautiful domain of mathematics. The present volume includes basics on Sobolev spaces, approximation and extension theorems, embedding and compactness theorems, their relations with isoperimetric and isocapacitary inequalities, capacities with applications to spectral theory of elliptic differential operators as well as pointwise inequalities for derivatives
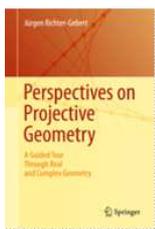
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Natvig B.

Multistate Systems Reliability Theory with Applications
ril. 9780470697504 £ 60   pagg. 262;
Wiley (01/01/2011)
Matematica / Mathematics -STATISTICA / STATISTICS

Most books in reliability theory are dealing with a description of component and system states as binary: functioning or failed. However, many systems are composed of multi-state components with different performance levels and several failure modes. There is a great need in a series of applications to have a more refined description of these states, for instance, the amount of power generated by an electrical power generation system or the amount of gas that can be delivered through an offshore gas pipeline network
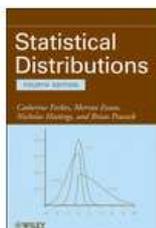
Richter-Gebert, Jürgen
Perspectives on Projective Geometry - A Guided Tour Through Real and Complex Geometry
ril. 9783642172854 Eur 67,55   pagg. 571; illustrazioni: 380;
Springer Verlag (01/02/2011)
Matematica / Mathematics

Projective geometry is one of the most fundamental and at the same time most beautiful branches of geometry. It can be considered the common foundation of many other geometric disciplines like Euclidean geometry, hyperbolic and elliptic geometry or even relativistic space-time geometry. This book offers a comprehensive introduction to this fascinating field and its applications. In particular, it explains how metric concepts may be best understood in projective terms. One of the major themes that appears throughout this book is the beauty of the interplay between geometry, algebra and combinatorics.

Statistica / Statistics

Forbes C.
Statistical Distributions, 4th Edition
  br. 9780470390634   £ 46,95 pagg. 212;
Wiley (01/01/2011)
Statistica / Statistics

This new edition continues to illustrate the application of statistical methods to research across various disciplines, including medicine, engineering, business/finance, and the social sciences. Thoroughly revised and updated, the authors have refreshed this book to reflect the changes and current trends in statistical distibution theory that have occured since the publication of the previous edition eight years ago. The introductory chapters introduce the fundamental concepts of the distributions and the relationships between variables.
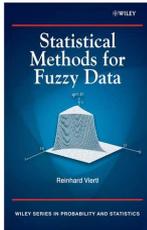
Meloun M.
Statistical data analysis: A practical guide
ril. 9780857091093 £ 155   pagg. 800;
Woodhead Publishing Ltd (01/02/2011)
Statistica / Statistics

Over the past decade, computer supported data analysis by statistical methods has been one of the fastest growth areas in chemometrics, biometrics and other related branches of natural, technical and social sciences. This has been particularly strongly supported by the development of exploratory data analysis, testing assumptions about data, model and statistical methods and computer intensive techniques. This book presents a combination of individual topics with solved problems and collection of experimental tasks. Methods suitable for extreme or small and large datasets are described

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Viertl R.
Statistical Methods for Fuzzy Data
ril. 9780470699454 £ 60   pagg. 272;
Wiley (01/11/2011)
Statistica / Statistics

Statistical data are not always precise numbers, or vectors, or categories. Real data are frequently what is called fuzzy. Examples where this fuzziness is obvious are quality of life data, environmental, biological, medical, sociological and economics data. Also the results of measurements can be best described by using fuzzy numbers and fuzzy vectors respectively. Statistical analysis methods have to be adapted for the analysis of fuzzy data. In this book, the foundations of the description of fuzzy data are explained, including methods on how to obtain the characterizing function of fuzzy measurement results. Furthermore, statistical methods are then generalized to the analysis of fuzzy data and fuzzy a-priori information