

CHIMICA / CHEMISTRY

Biochimica / Biochemistry



Newsholme E.

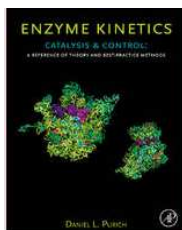
Functional Biochemistry in Health and Disease

ril. 9780471988205 Lst 95 br. 9780471931652 Lst 37,50E pagg. 560;

Wiley (01/05/2010)

Biochimica / Biochemistry

Functional Biochemistry in Health and Disease provides a clear and straightforward account of the biochemistry that is necessary to understand the physiological functions of tissues or organs essential to the life of human beings. Focusing on the dynamic aspects of biochemistry and its application to the basic functions of the body, the book bridges the gap between biochemistry and medical practice



Purich D.L.

Enzyme Kinetics: Catalysis and Control - A Reference of Theory and Best-practice Methods

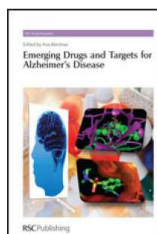
ril. 9780123809247 Lst 125 pagg. 856;

Academic Press (22/06/2010)

Biochimica / Biochemistry

Far more than a comprehensive treatise on initial-rate and fast-reaction kinetics, this one-of-a-kind desk reference places enzyme science in the fuller context of the organic, inorganic, and physical chemical processes occurring within enzyme active sites. Drawing on 2600 references, "Enzyme Kinetics: Catalysis & Control" develops all the kinetic tools needed to define enzyme catalysis, spanning the entire spectrum (from the basics of chemical kinetics and practical advice on rate measurement, to the very latest work on single-molecule kinetics and mechanoenzyme force generation), while also focusing on the persuasive power of kinetic isotope effects, the design of high-potency drugs, and the behavior of regulatory enzymes

Biotechnologia / Biotechnology



Martinez A.

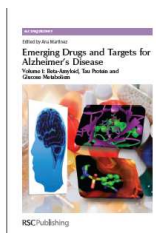
Emerging Drugs and Targets for Alzheimer's Disease - complete set 2 vols

ril. 9781849730457 Lst 220 pagg. 529;

Royal Society of Chemistry RSC (30/06/2010)

Biotechnologia / Biotechnology -CHIMICA FARMACEUTICA

Alzheimer's disease (AD) is the most prevalent neurodegenerative disorder in the elderly. The Bloomberg School of Public Health recently estimated that over 26 million people were living with AD in 2006 and that the number will grow to 106 million by 2050. Interventions that delay onset by just one year could reduce the 2050 figure by 12 million. This demonstrates the importance and social need of finding an effective therapeutic intervention. This complete two volume set gathers together some of the most promising examples of drugs now in pharmaceutical development, and new targets currently going through a validation process

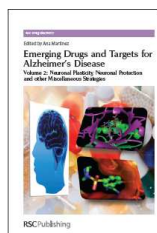


Martinez A.

Emerging Drugs and Targets for Alzheimer's Disease - Volume 1: Beta-Amyloid, Tau Protein and Glucose Metabolism

ril. 9788895967165 Lst 145 pagg. 342;
Royal Society of Chemistry RSC (30/06/2010)
Biotechnologia / Biotechnology -CHIMICA FARMACEUTICA

Emerging Drugs and Targets for Alzheimer's Disease collects some of the most outstanding examples of new drugs currently under pharmaceutical development or new targets in the validation process that will reach the Alzheimer's drug market over the next few years as disease modifying drugs. Written by a team of distinguished experts Volume 1: Beta-Amyloid, Tau Protein and Glucose Metabolism will be an essential resource for scientists in the pharmaceutical and biotechnology industries and academics working in the neurosciences field



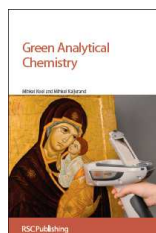
Martinez A.

Emerging Drugs and Targets for Alzheimer's Disease - Volume 2: Neuronal Plasticity, Neuronal Protection and Other Miscellaneous Strategies

ril. 9781849730648 Lst 145 pagg. 326;
Royal Society of Chemistry RSC (30/06/2010)
Biotechnologia / Biotechnology -CHIMICA FARMACEUTICA

Written by a team of distinguished experts Volume 2: Volume 2: Neuronal Plasticity, Neuronal Protection and Other Miscellaneous Strategies will be an essential resource for scientists in the pharmaceutical and biotechnology industries and academics working in the neurosciences field

Chimica Analitica / Analytic Chemistry



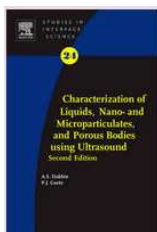
Mihkel K.

Green Analytical Chemistry

ril. 9781847558725 Lst 49,99 pagg. 332;
Royal Society of Chemistry RSC (17/05/2010)
Chimica Analitica / Analytic Chemistry

Due to the concerns about environmental pollution, related global warming and hazards to human health, there is an increasing demand for chemical analysis and green analytical chemistry is an emerging hot topic in industrial and governmental laboratories as well as in academia. This book describes the efforts to make analytical chemistry greener, the application of the ideas and concepts of green chemistry in chemical analysis, evaluates the performance of the current analytical methodologies from the point of view of green chemistry and discusses the idea of the methods of green profiles.

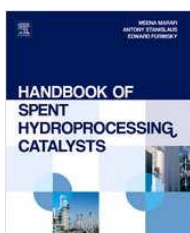
Chimica Fisica / Physical Chemistry



Dukhin A.

Characterization of Liquids, Nano- and Microparticulates, and Porous Bodies Using Ultrasound - 2/e
ril. 9780444536211 Lst 165 pagg. 518;
Elsevier Science Publishers (01/07/2010)
Chimica Fisica / Physical Chemistry

Two key words define the scope of this book: 'ultrasound' and 'colloids'. Historically, there has been little real communication between practitioners in these two fields. Although there is a large body of literature devoted to ultrasound phenomenon in colloids, there is little recognition that such phenomena may be of real importance for both the development and applications of colloid science. On the other side, colloid scientists have not embraced acoustics as an important tool for characterizing colloids.

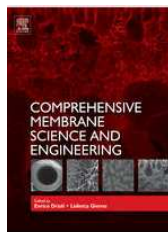


Marafi M.

Handbook of Spent Hydroprocessing Catalysts Regeneration, Rejuvenation and Reclamation
ril. 9780444535566 Lst 135 pagg. 380;
Elsevier Science Publishers (01/06/2010)
Chimica Fisica / Physical Chemistry

This handbook serves scientists and researchers interested in any aspect of spent hydroprocessing catalysts. Its aim is to assist in the analysis and assessment of refined catalyst byproducts and processing options, to determine whether spent catalysts can be processed into productive resources. For non-regenerable spent catalysts, the book takes into consideration both safety and ecological implications of utilizing landfill and other waste options. The key features of the book include: provides comprehensive guidance and assistance to those making decisions on the fate of spent catalysts, radically improving strategic options for refining organisations; offers solutions that maximize procedural, regulatory, safety, and preparedness benefits; and contains detailed information on hazardous characteristics of spent and regenerated catalysts with deployment

Chimica Industriale / Industrial Chemistry



Drioli E.

Comprehensive Membrane Science and Engineering
ril. 9780444532046 Lst 645 pagg. 1570;
Academic Press (01/07/2010)
Chimica Industriale / Industrial Chemistry

This multivolume work covers all aspects of membrane science and technology - from basic phenomena to the most advanced applications and future perspectives. Modern membrane engineering is critical to the development of process-intensification strategies and to the stimulation of industrial growth. The work presents researchers and industrial managers with an indispensable tool toward achieving these aims.

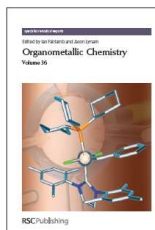


Mattox

Handbook of Physical Vapor Deposition (PVD) Processing 2/e
ril. 9780815520375 Lst 155 pagg. 992;
William Andrew Publishing (12/06/2010)
Chimica Industriale / Industrial Chemistry

This updated version of the popular handbook further explains all aspects of physical vapor deposition (PVD) process technology from the characterizing and preparing the substrate material, through deposition processing and film characterization, to post-deposition processing. The emphasis of the new edition remains on the aspects of the process flow that are critical to economical deposition of films that can meet the required performance specifications, with additional information to support the original material. The book covers subjects seldom treated in the literature: substrate characterization, adhesion, cleaning and the processing.

Chimica Organica / Organic Chemistry



Fairlamb I.J.S

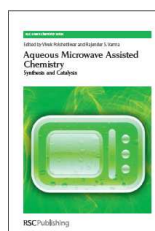
Organometallic Chemistry Vol 36

ril. 9781847559500 Lst 299,95 pagg. 222;

Royal Society of Chemistry RSC (31/05/2010)

Chimica Organica / Organic Chemistry

Organometallic Chemistry is an interdisciplinary science which continues to grow at a rapid pace. Although there is continued interest in synthetic and structural studies, the last decade has seen a growing interest in the potential of organometallic chemistry to provide answers to problems in synthetic organic chemistry, the development of new materials and catalysis. This Specialist Periodical Report aims to reflect these current interests, and since Volume 34 provides both comprehensive and critical reviews of the recent literature. Topics examined in this volume include heterocyclic carbene compounds, coinage metals and paddlewheel compounds



Polshettiwar V.

Aqueous Microwave Assisted Chemistry Synthesis and Catalysis

ril. 9781849730389 Lst 99,99 pagg. 228;

Royal Society of Chemistry RSC (04/06/2010)

Chimica Organica / Organic Chemistry

The demands for green and sustainable synthetic methods in the fields of healthcare and fine chemicals, combined with the pressure to produce these substances expeditiously and in an environmentally benign fashion, pose significant challenges to the synthetic chemical community. This objective can be achieved through the development of aqueous synthetic protocols using microwave heating. This unique book covers all the microwave-assisted aqueous reactions in depth, including heterocycle synthesis, metal catalyzed reactions, enzymatic reactions and nano-catalysis. Written by well known microwave experts, this comprehensive book will help the younger researchers in academia as well as those in industry seeking to explore this field

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

Jahankhani H.

HANDBOOK OF ELECTRONIC SECURITY AND DIGITAL FORENSICS

ril. 9789812837035 Lst 131 pagg. 708;

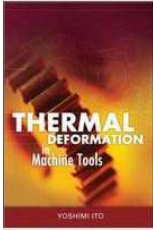
World Scientific Publishing (01/05/2010)

Informatica / Computer Science

The widespread use of information and communications technology (ICT) has created a global platform for the exchange of ideas, goods and services, the benefits of which are enormous. However, it has also created boundless opportunities for fraud and deception. Cybercrime is one of the biggest growth industries around the globe, whether it is in the form of violation of company policies, fraud, hate crime, extremism, or terrorism. It is therefore paramount that the security industry raises its game to combat these threats. Today's top priority is to use computer technology to fight computer crime, as our commonwealth is protected by firewalls rather than firepower. This is an issue of global importance as new technologies have provided a world of opportunity for criminals

INGEGNERIA / ENGINEERING

Ingegneria / Engineering



Ito Y.

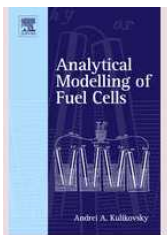
Thermal Deformation in Machine Tools

ril. 9780071635172 Lst 94,99 pagg. 240;

McGraw Hill (01/08/2010)

Ingegneria / Engineering

Offers various techniques for the prevention of permanent metal deformation which occurs during metal cutting due to extreme pressure, heat, and friction. This book provides practical information and solutions needed to mitigate costly manufacturing errors that are resulted due to inaccurate calculation of thermal deformation



Kulikovskiy A.A.

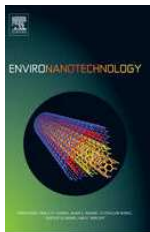
Analytical Modelling of Fuel Cells

ril. 9780444535603 Lst 98 pagg. 328;

Elsevier Science Publishers (01/07/2010)

Ingegneria / Engineering

In fuel cell research, the gap between fundamental electrochemical processes and the engineering of fuel cell systems is bridged by the physical modelling of fuel cells. This relatively new discipline aims to understand the basic transport and kinetic phenomena in a real cell and stack environment, paving the way for improved design and performance. The author brings his unique approach to the analytical modeling of fuel cells to this essential reference for energy technologists. It covers recent advances and analytical solutions to a range of problems faced by energy technologists, from catalyst layer performance to thermal stability



Maohong Fan

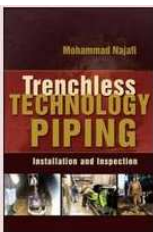
Environanotechnology

ril. 9780080548203 Lst 90 pagg. 340;

Elsevier Science Publishers (07/05/2010)

Ingegneria / Engineering

Environanotechnology is the nanoscale technology developed for monitoring the quality of the environment, treating water and wastewater, as well as controlling air pollutants. This book provides technological information for environmental scientists and helps them in creating cost-effective nanotechnologies to solve the environmental problems



Najafi

Trenchless Technology Piping Installation and Inspection

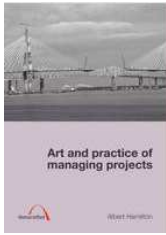
ril. 9780071489287 Lst 71,99 pagg. 480;

McGraw Hill (01/08/2010)

Ingegneria / Engineering

Optimize the Engineering, Construction, and Management of Any Trenchless Technology Piping Project Trenchless Technology Piping is the first detailed guide to pipe installation and renewal using trenchless technology methods. This step-by-step resource explains how to create a more efficient design, construction, and inspection process for trenchless technology piping-and shows how to save time and money with a state-of-the-art project management system.

Ingegneria Civile / Civil Engineering



Hamilton A.

Art and Practice of Managing Projects

br. 9780727734563 Lst 50 pagg. 568;
Telford Thomas (26/05/2010)
Ingegneria Civile / Civil Engineering

Guides the reader through the key stages of project management, from initial idea to final completion. This title covers: project structures, stakeholders and techniques for selecting the right people; contracts, procurement and planning techniques; and, budget cost estimates, the time-cost relationship and value management

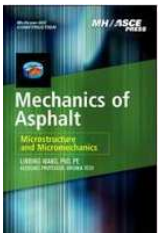


Schoon J.

Pedestrian Facilities - Engineering and Geometric Design

ril. 9780727740694 Lst 60 pagg. 374;
Telford Thomas (01/05/2010)
Ingegneria Civile / Civil Engineering

"Pedestrian facilities: Engineering and Geometric Design" is the first text to deal exclusively with the engineering and numerical design aspects of pedestrian facilities, such as footways, uncontrolled and controlled crossings along roads and at junctions, roundabouts and driveways where pedestrian and vehicular traffic interact

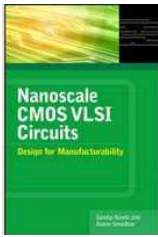


Wang L.

Mechanics of Asphalt Microstructure and Micromechanics

ril. 9780071498548 Lst 71,99 pagg. 480;
McGraw Hill (01/08/2010)
Ingegneria Civile / Civil Engineering

Fundamentals of Asphalt Properties and Characterization Constitutive Modeling & Model Calibration Computational Techniques Multiscale and Coupled Phenomena Applications of Advanced Modeling and Simulation Appendices

Ingegneria Elettrica -Elettronica / Electrical -Electronic Engineering

Kundu S.

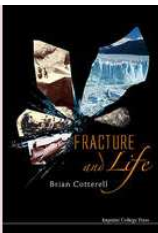
Nanoscale CMOS VLSI Circuits - Design for Manufacturability

ril. 9780071635196 Lst 88,99 pagg. 320;

McGraw Hill (01/08/2010)

Ingegneria Elettrica -Elettronica / Electrical -Electronic Engineering

Covering defect analysis, equipment, and lithographic control evaluations, this book offers a holistic approach for VLSI circuit designers to evaluate and analyze IC circuit designs from the manufacturability point of view. It is suitable for design engineers, managers, students, and academics interested in the field

Ingegneria Meccanica / Mechanical Engineering

Cotterell B.

Fracture and Life

ril. 9781848162822 Lst 65 pagg. 500;

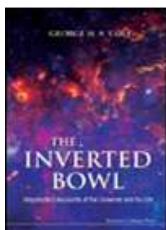
World Scientific Publishing (01/05/2010)

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

This book is an interdisciplinary review of the effect of fracture on life, following the development of the understanding of fracture written from a historical perspective. After a short introduction to fracture, the first section of the book covers the effects of fracture on the evolution of the Earth, plants and animals, and man. The second section of the book covers the largely empirical control of fracture from ancient times to the end of the nineteenth century

SCIENZE FISICO-MATEMATICHE / MATHEMATICS AND

Fisica / Physics



Cole G.H.A

THE INVERTED BOWL - Introductory Accounts of the Universe and Its Life

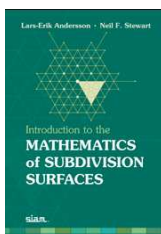
ril. 9781848165038 Lst 57 br. 9781848165052 Lst 32 pagg. 364;

World Scientific Publishing (01/04/2010)

Fisica / Physics

The present well-established study of planets orbiting stars other than our Sun, the exoplanets, was reviewed by the author in his earlier book Wandering Stars. This new and exciting field of study has expanded quickly, particularly due to technological advances in both Earth-based telescopes and, more recently, in the application of automatic space vehicles. Well over 300 exoplanets have now been catalogued, each of mass comparable to or greater than those of the major planets of the Solar System. Earth-sized bodies remain out of reach for the present. The data obtained so far show that the distribution of major planets in our Solar System is the exception rather than the rule, contrary to earlier expectations. A few exoplanet systems do, nevertheless, give the promise of broadly Solar System conditions with the possibility of Earth-like components in appropriate orbits

Matematica / Mathematics



Andersson L.E

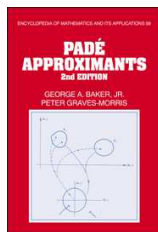
Introduction to the Mathematics of Subdivision Surfaces

br. 9780898716979 Lst 47 pagg. 378;

Cambridge U.P. (01/05/2010)

Matematica / Mathematics

This is an introduction to the mathematical theory which underlies subdivision surfaces, as it is used in computer graphics and animation. Subdivision surfaces enable a designer to specify the approximate form of a surface that defines an object and then to refine it to get a more useful or attractive version. A considerable amount of mathematical theory is needed to understand the characteristics of the resulting surfaces, and this book explains the material carefully and rigorously. The text is highly accessible, organising subdivision methods in a unique and unambiguous hierarchy which builds insight and understanding.



Baker G.

Padé Approximants 2/e

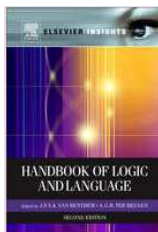
Series: Encyclopedia of Mathematics and its Applications

ril. 9780521135092 Lst 50 pagg. 764;

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

Matematica / Mathematics

The first edition of this book was reviewed in 1982 as 'the most extensive treatment of Padé approximants actually available'. This second edition has been thoroughly updated, with a substantial chapter on multiserie approximants. Applications to statistical mechanics and critical phenomena are extensively covered, and there are extended sections devoted to circuit design, matrix Pade approximation, and computational methods. This succinct and straightforward treatment will appeal to scientists, engineers, and mathematicians alike



Benthem J.H.

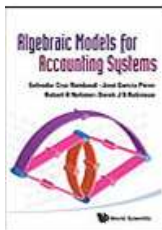
Handbook of Logic and Language 2/e

ril. 9780444537263 Lst 125 pagg. 850;

Elsevier Science Publishers (12/07/2010)

Matematica / Mathematics

Logical study of language is becoming more interdisciplinary playing a role in disciplines such as computer science, artificial intelligence, cognitive science and game theory. This title presents an overview of the developments at the interface of logic and linguistics as well as providing a historical perspective



Cruz Rambaud S.

ALGEBRAIC MODELS FOR ACCOUNTING SYSTEMS

ril. 9789814287111 Lst 38 pagg. 256;
World Scientific Publishing (01/04/2010)
Matematica / Mathematics

This book describes the construction of algebraic models which represent the operations of the double entry accounting system. It gives a novel, comprehensive, proof based treatment of the topic, using such concepts from abstract algebra as automata, digraphs, monoids and quotient structures



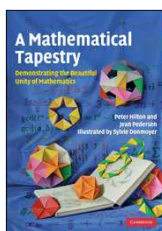
de Felice F.

Classical Measurements in Curved Space-Times

Series: *Cambridge Monographs on Mathematical Physics*

ril. 9780521889308 Lst 70 pagg. 256;
Cambridge U.P. (01/07/2010)
Matematica / Mathematics

The theory of relativity describes the laws of physics in a given space-time. However, a physical theory must provide observational predictions expressed in terms of measurements, which are the outcome of practical experiments and observations. Ideal for readers with a mathematical background and a basic knowledge of relativity, this book will help readers understand the physics behind the mathematical formalism of the theory of relativity. It explores the informative power of the theory of relativity, and highlights its uses in space physics, astrophysics and cosmology. Readers are given the tools to pick out from the mathematical formalism those quantities that have physical meaning and which can therefore be the result of a measurement

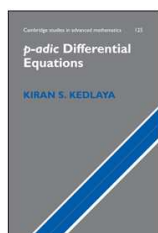


Hilton P.

A Mathematical Tapestry - Demonstrating the Beautiful Unity of Mathematics

ril. 9780521764100 Lst 60 br. 9780521128216 Lst 19,99 pagg. 320;
Cambridge U.P. (01/07/2010)
Matematica / Mathematics

This easy-to-read book demonstrates how a simple geometric idea reveals fascinating connections and results in number theory, the mathematics of polyhedra, combinatorial geometry, and group theory. Using a systematic paper-folding procedure it is possible to construct a regular polygon with any number of sides. This remarkable algorithm has led to interesting proofs of certain results in number theory, has been used to answer combinatorial questions involving partitions of space, and has enabled the authors to obtain the formula for the volume of a regular tetrahedron in around three steps, using nothing more complicated than basic arithmetic and the most elementary plane geometry.



Kedlaya

p-adic Differential Equations

Series: *Cambridge Studies in Advanced Mathematics*

ril. 9780521768795 Lst 50 pagg. 400;
Cambridge U.P. (30/06/2010)
Matematica / Mathematics

Over the last 50 years the theory of p-adic differential equations has grown into an active area of research in its own right, and has important applications to number theory and to computer science. This book, the first comprehensive and unified introduction to the subject, improves and simplifies existing results as well as including original material. Based on a course given by the author at MIT, this modern treatment is accessible to graduate students and researchers. Exercises are included at the end of each chapter to help the reader review the material, and the author also provides detailed references to the literature to aid further study



Kirsten K

A Window into Zeta and Modular Physics

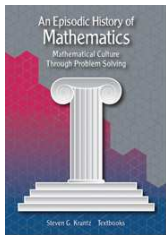
Series: *Mathematical Sciences Research Institute Publications*

ril. 9780521199308 Lst 55 pagg. 360;

Cambridge U.P. (01/07/2010)

Matematica / Mathematics -FISICA / PHYSICS

This book provides an introduction to (1) various zeta functions (for example, Riemann, Hurwitz, Barnes, Epstein, Selberg, and Ruelle), including graph zeta functions; (2) modular forms (Eisenstein series, Hecke and Dirichlet L-functions, Ramanujan's tau function, and cusp forms); and (3) vertex operator algebras (correlation functions, quasimodular forms, modular invariance, rationality, and some current research topics including higher genus conformal field theory).



Krantz S.G.

An Episodic History of Mathematics - Mathematical Culture through Problem Solving

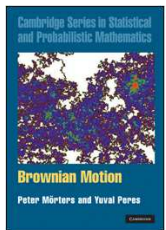
Series: *Mathematical Association of America Textbooks*

ril. 9780883857663 Lst 44 pagg. 396;

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

Matematica / Mathematics

An Episodic History of Mathematics delivers a series of snapshots of the history of mathematics from ancient times to the twentieth century. The intent is not to provide an encyclopaedic history of mathematics, but to give the reader a sense of mathematical culture and history. The book also acquaints the reader with the nature and techniques of mathematics through its exercises. The book introduces the genesis of many mathematical ideas. For example, while Krantz does not get into the nuts and bolts of Andrew Wiles's solution of Fermat's Last Theorem, he does describe some of the stream of thought that created the problem and led to its solution. The focus in this text is on doing – getting involved with the mathematics and solving problems



Mörters P.

Brownian Motion

Series: *Cambridge Series in Statistical and Probabilistic Mathematics*

ril. 9780521760188 Lst 40 pagg. 416;

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

Matematica / Mathematics

This eagerly awaited textbook covers everything the graduate student in probability wants to know about Brownian motion, as well as the latest research in the area. Starting with the construction of Brownian motion, the book then proceeds to sample path properties like continuity and nowhere differentiability. Notions of fractal dimension are introduced early and are used throughout the book to describe fine properties of Brownian paths. The relation of Brownian motion and random walk is explored from several viewpoints, including a development of the theory of Brownian local times from random walk embeddings



Patil D.P.

INTRODUCTION TO ALGEBRAIC GEOMETRY AND COMMUTATIVE ALGEBRA

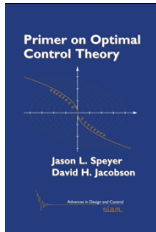
IISc Lecture Notes Series

ril. 9789814304566 Lst 43 br. 9789814307581 Lst 23 pagg. 220;

World Scientific Publishing (01/04/2010)

Matematica / Mathematics

This introductory textbook for a graduate course in pure mathematics provides a gateway into the two difficult fields of algebraic geometry and commutative algebra. Algebraic geometry, supported fundamentally by commutative algebra, is a cornerstone of pure mathematics. Along the lines developed by Grothendieck, this book delves into the rich interplay between algebraic geometry and commutative algebra. A selection is made from the wealth of material in the discipline, along with concise yet clear definitions and synopses



Speyer J.L.

Primer on Optimal Control Theory

Series: Advances in Design and Control

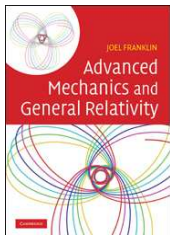
ril. 9780898716948 Lst 60 pagg. 323;

Cambridge U.P. (01/05/2010)

Matematica / Mathematics

The performance of a process, such as aircraft fuel consumption, can be enhanced when its most effective controls and operating points are determined. Primer on Optimal Control Theory provides an introduction to the theory behind analysing these processes and finding the best controls, which provides a sound basis for those wishing to tackle more advanced literature. The book presents the important concepts of weak and strong control variations leading to local necessary conditions, and also global sufficiency of Hamilton–Jacobi–Bellman theory

Scienze Fisico-Matematiche / Mathematics And Physics



Franklin J.

Advanced Mechanics and General Relativity

ril. 9780521762458 Lst 45 pagg. 384;

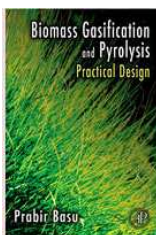
Cambridge U.P. (01/07/2010)

Scienze Fisico-Matematiche / Mathematics And Physics

Aimed at advanced undergraduates with background knowledge of classical mechanics and electricity and magnetism, this textbook presents both the particle dynamics relevant to general relativity, and the field dynamics necessary to understand the theory. Focusing on action extremization, the book develops the structure and predictions of general relativity by analogy with familiar physical systems. Topics ranging from classical field theory to minimal surfaces and relativistic strings are covered in a homogeneous manner

TECNOLOGIA / TECHNOLOGY

Energetica / Energetics



Basu P.

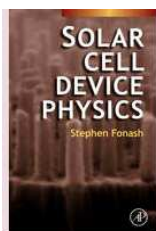
Biomass Gasification and Pyrolysis Practical Design and Theory

ril. 9780123749888 Lst 82 pagg. 368;

Academic Press (23/07/2010)

Energetica / Energetics

Modernized biomass gasification for power generation has attracted increasing interests as an attempt to reduce our reliance on fossil fuel. In fact, over the past couple of years, a lot of RD&D has gone into overcoming the technical hurdles of biomass gasification mainly producing clean gas which is free of particulates and tars bed agglomeration and biomass feeding/handling. "Biomass Gasification Design Handbook" offers engineers and scientist a 'hands on' reference for understanding and successfully overcoming these hurdles. In this book, readers find a versatile resource that not only explains the basic principles of energy conversion and biomass conversion systems but also provides valuable insight into the design of biomass gasifiers



Fonash S.

Solar Cell Device Physics 2/e

ril. 9780123747747 Lst 72,99 pagg. 381;

Academic Press (28/05/2010)

Energetica / Energetics

There has been an enormous infusion of new ideas in the field of solar cells over the last 15 years; discourse on energy transfer has gotten much richer, and nanostructures and nanomaterials have revolutionized the possibilities for new technological developments. However, solar energy cannot become ubiquitous in the world's power markets unless it can become economically competitive with legacy generation methods such as fossil fuels

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