

Free download Non homogeneous boundary value problems and applications volume iii grundlehren der mathematischen wissenschaften (2023)

Shell Structures: Theory and Applications Volume 4 Synthesis And Applications In Chemistry And Materials (In 4 Volumes) Innovations in Smart Cities Applications Volume 5 Game Theory and Applications, Volume 11 Basic Research and Applications of Mycorrhizae Advances and Applications of DSMT for Information Fusion (Collected Works. Volume 5) Physics Performance, Technology and Application of High Performance Marine Vessels Volume One Data Analysis and Related Applications, Volume 1 Insulation Materials, Testing and Applications, 3rd Volume Theory And Applications Of Ocean Surface Waves (Third Edition) (In 2 Volumes) Circuits and Systems: Design and Applications (Volume I) Game Theory and Applications HANDBOOK OF LASER TECHNOLOGY AND Microfluidics Modules, Systems, and Applications in Thermoelectrics Recycled Polymers Information Technology and Systems Multifunctional Nanoparticle Systems - Coupled Behavior and Applications: Volume 1257 Solid State NMR Vitamins and Hormones E-Systems for the 21st Century Organizational Learning and Knowledge Virtual Learning Environments Stochastic Analysis and Applications, Volume 3 Electrical Drives for Direct Drive Renewable Energy Systems Advances in Mathematical Chemistry and Applications Vitamins and Hormones Operator Algebras and Applications: Volume 1, Structure Theory; K-theory, Geometry and Topology Vitamins and Hormones Applications and Innovations in Expert Systems VI Vitamins and Hormones Computer-Aided Design, Engineering, and Manufacturing Vitamins and Hormones Wireless Sensor Networks Brownian Motion and Stochastic Calculus Abstract State Machines 2004. Advances in Theory and Practice Multiagent Systems and Applications IBM XIV Storage System Architecture and Implementation

Shell Structures: Theory and Applications Volume 4

2017-10-30

shells are basic structural elements of modern technology and everyday life examples of shell structures in technology include automobile bodies water and oil tanks pipelines silos wind turbine towers and nanotubes nature is full of living shells such as leaves of trees blooming flowers seashells cell membranes or wings of insects in the human body arteries the eye shell the diaphragm the skin and the pericardium are all shells as well shell structures theory and applications volume 4 contains 132 contributions presented at the 11th conference on shell structures theory and applications gdansk poland 11 13 october 2017 the papers reflect a wide spectrum of scientific and engineering problems from theoretical modelling through strength stability and dynamic behaviour numerical analyses biomechanic applications up to engineering design of shell structures shell structures theory and applications volume 4 will be of interest to academics researchers designers and engineers dealing with modelling and analyses of shell structures it may also provide supplementary reading to graduate students in civil mechanical naval and aerospace engineering

Synthesis And Applications In Chemistry And Materials (In 4 Volumes)

2024-01-16

chemistry and material sciences naturally depend greatly on synthesis as the initial stage for the existence of compounds and materials with desired behaviors within the overall streamline of design synthesis properties application function and their relations such a general approach is of a too wide scope to be properly treated in a single set of publications but this one on synthesis and applications in chemistry and materials restricts itself by aiming to show the strength and international character of the current research in synthetic chemistry that is being developed in portugal or abroad by teams that cooperate with this country hence it gathers representative contributions of main portuguese research groups and foreign collaborating ones nevertheless the topic should be understood in a wide sense being open to types of studies with significance on sustainable synthesis and applications in chemistry materials and or related sciences

Innovations in Smart Cities Applications Volume 5

2022-03-03

this book sets the innovative research contributions works and solutions for almost all the intelligent and smart applications in the smart cities the smart city concept is a relevant topic for industrials governments and citizens due to this the smart city considered as a multi domain context attracts tremendously academics researchers and practitioners who provide efforts in theoretical proofs approaches architectures and in applied researches the importance of smart cities comes essentially from the significant growth of populations in the near future which conducts to a real need of smart applications that can support this evolution in the future cities the main scope of this book covers new and original ideas for the next generations of cities using the new technologies the book involves the application of the data science and ai iot technologies and architectures smart earth and water management smart education and e learning systems smart modeling systems smart mobility and renewable energy it also reports recent research works on big data technologies image processing and recognition systems and smart security and privacy

Game Theory and Applications, Volume 11

2007

this book brings together papers of well known specialists in game theory and adjacent problems it presents the basic results in dynamic games stochastic games applications of game theoretical methods in ecology and economics and methodological aspects of game theory

Basic Research and Applications of Mycorrhizae

2007

mycorrhizal research has grown by leaps and bounds in the past few decades these fungi promise to promote plant growth maintain plant and soil health assist in bio protection against root diseases encourage production with reduced fertilizer and pesticides allow for nutrient acquisition affect soil skeletal structure holding primary soil particles together are conducive to the formation of microaggregate structures and higher rhizosphere populations enable symbiosis that alters host water relations as well as alter root length and architecture these fungi also help with the re vegetation of landscapes golf courses or contaminated soils they assist with the biological hardening of tissue culture raised plants postpone leaf dehydration draught responses osmo protecting enzymes and enhance p acquisition am symbiosis could conceivably affect any of these steps amf should be considered as an alternative to costly soil disinfection the mechanisms by which fungi induce resistance in their hosts and enhance disease resistance need critical evaluation and examination editors see this volume as a tremendously valuable collection of specialized up date chapters describing the most sophisticated and modern protocols in mycorrhizal research thoroughly explained and synthesized

Advances and Applications of DSMT for Information Fusion (Collected Works. Volume 5)

2023-12-27

this fifth volume on advances and applications of dsmt for information fusion collects theoretical and applied contributions of researchers working in different fields of applications and in mathematics and is available in open access the collected contributions of this volume have either been published or presented after disseminating the fourth volume in 2015 available at fs unm edu dsmt book4 pdf or onera fr sites default files 297 2015 dsmt book4 pdf in international conferences seminars workshops and journals or they are new the contributions of each part of this volume are chronologically ordered first part of this book presents some theoretical advances on dsmt dealing mainly with modified proportional conflict redistribution rules pcr of combination with degree of intersection coarsening techniques interval calculus for pcr thanks to set inversion via interval analysis sivia rough set classifiers canonical decomposition of dichotomous belief functions fast pcr fusion fast inter criteria analysis with pcr and improved pcr5 and pcr6 rules preserving the quasi neutrality of quasi vacuous belief assignment in the fusion of sources of evidence with their matlab codes because more applications of dsmt have emerged in the past years since the apparition of the fourth book of dsmt in 2015 the second part of this volume is about selected applications of dsmt mainly in building change detection object recognition quality of data association in tracking perception in robotics risk assessment for torrent protection and multi criteria decision making multi modal image fusion coarsening techniques recommender system levee characterization and assessment human heading perception trust assessment robotics biometrics failure detection gps systems inter criteria analysis

group decision human activity recognition storm prediction data association for autonomous vehicles identification of maritime vessels fusion of support vector machines svm silx furtif rust code library for information fusion including pcr rules and network for ship classification finally the third part presents interesting contributions related to belief functions in general published or presented along the years since 2015 these contributions are related with decision making under uncertainty belief approximations probability transformations new distances between belief functions non classical multi criteria decision making problems with belief functions generalization of bayes theorem image processing data association entropy and cross entropy measures fuzzy evidence numbers negator of belief mass human activity recognition information fusion for breast cancer therapy imbalanced data classification and hybrid techniques mixing deep learning with belief functions as well we want to thank all the contributors of this fifth volume for their research works and their interests in the development of dsmt and the belief functions we are grateful as well to other colleagues for encouraging us to edit this fifth volume and for sharing with us several ideas and for their questions and comments on dsmt through the years we thank the international society of information fusion isif.org for diffusing main research works related to information fusion including dsmt in the international fusion conferences series over the years florentin smarandache is grateful to the university of new mexico u s a that many times partially sponsored him to attend international conferences workshops and seminars on information fusion jean dezert is grateful to the department of information processing and systems dtis of the french aerospace lab office national d e tudes et de recherches ae rospatiales palaiseau france for encouraging him to carry on this research and for its financial support alvena tchamova is first of all grateful to dr jean dezert for the opportunity to be involved during more than 20 years to follow and share his smart and beautiful visions and ideas in the development of the powerful dezert smarandache theory for data fusion she is also grateful to the institute of information and communication technologies bulgarian academy of sciences for sponsoring her to attend international conferences on information fusion

Physics

1953

there has been tremendous growth in the development of advanced marine vehicles over the last few decades and many of these developments have been presented at the international high performance marine vehicles conference held annually since 1997 in shanghai china this comprehensive first volume covers high speed monohulls multihulls hydrofoil craft air cavity craft and wing in ground effect craft the papers cover a wide variety of hullforms including deep v hulls stepped hulls axe bow hullforms trimarans and pentamarans foil assisted catamarans and air lubrication craft all aspects of design including resistance powering seakeeping and maneuvering performance of these vessels are covered through theoretical experimental and numerical investigations

Performance, Technology and Application of High Performance Marine Vessels Volume One

2019-01-18

the scientific field of data analysis is constantly expanding due to the rapid growth of the computer industry and the wide applicability of computational and algorithmic techniques in conjunction with new advances in statistical stochastic and analytic tools there is a constant need for new high quality publications to cover the recent advances in all fields of science and engineering this book is a collective work by a number of leading scientists computer experts analysts engineers mathematicians probabilists and statisticians who have been working at the forefront of data analysis

and related applications the chapters of this collaborative work represent a cross section of current concerns developments and research interests in the above scientific areas the collected material has been divided into appropriate sections to provide the reader with both theoretical and applied information on data analysis methods models and techniques along with related applications

Data Analysis and Related Applications, Volume 1

2022-11-01

this book set is a revised version of the 2005 edition of theory and applications of ocean surface waves it presents theoretical topics on ocean wave dynamics including basic principles and applications in coastal and offshore engineering as well as coastal oceanography advanced analytical and numerical techniques are demonstrated in this revised version five chapters on recent developments in linear and nonlinear aspects have been added the first is on detailed analyses in wave structure interactions the second is a new section on waves through a marine forest a topic motivated by its possible relevance to tsunami reduction the third is on long waves in shallow water and the fourth is an update on broad banded nonlinear surface waves in the open sea to include new findings in this topic the fifth is an expanded chapter on numerical simulation of nonlinear wave dynamics to include predictions of nonlinear spectral evolution and rogue wave occurrence and dynamics using large scale phase resolved simulations this revised version also includes recent developments in precorrected fft accelerated o n log n low and high order boundary element methods for the computation of fully nonlinear wave wave and wave body interactions theory and applications of ocean surface waves 2016 will be invaluable for graduate students and researchers in coastal and ocean engineering geophysical fluid dynamicists interested in water waves and theoretical scientists and applied mathematicians wishing to develop new techniques for challenging problems or to apply techniques existing elsewhere

Insulation Materials, Testing and Applications, 3rd Volume

1911

circuits are the fundamentals of all electronic devices for all those who re interested in circuits and systems this book will provide comprehensive knowledge to the reader contemporary innovative concepts and case studies revolving around circuits and systems have been presented in this book insights on recent studies and research methodologies can also be found in this book

Theory And Applications Of Ocean Surface Waves (Third Edition) (In 2 Volumes)

2018-03-15

this volume brings together papers of well known specialists in game theory and adjacent problems it presents the basic results in dynamic games stochastic games applications of game theoretical methods in ecology and economics and the methodological aspects of game theory

Circuits and Systems: Design and Applications (Volume I)

2015-01-05

flow control methods and devices in micrometer scale channels by shuichi shoji and kentaro kawai

micromixing within microfluidic devices by lorenzo capretto wei cheng martyn hill and xunli zhang
basic technologies for droplet microfluidics by shaojiang zeng xin liu hua xie and bingcheng lin
electrorheological fluid and its applications in microfluidics by limu wang xiuqing gong and weijia wen
biosensors in microfluidic chips by jongmin noh hee chan kim and taek dong chung a nanomembrane
based nucleic acid sensing platform for portable diagnostics by satyajyoti senapati sagnik basuray
zdenek slouka li jing cheng and hsueh chia chang optical detection systems on microfluidic chips by
hongwei gai yongjun li and edward s yeung integrated microfluidic systems for dna analysis by
samuel k njoroge hui wen chen małgorzata a witek and steven a soper integrated multifunctional
microfluidics for automated proteome analyses by john k osiri hamed shadpour małgorzata a witek
and steven a soper cells in microfluidics by chi zhang and danny van noort microfluidic platform for
the study of caenorhabditis elegans by weiwei shi hui wen bingcheng lin and jianhua qin

Game Theory and Applications

2010-03-26

comprising two volumes thermoelectrics and its energy harvesting reviews the dramatic
improvements in technology and application of thermoelectric energy with a specific intention to
reduce and reuse waste heat and improve novel techniques for the efficient acquisition and use of
energy this volume modules systems and applications in thermoelec

HANDBOOK OF LASER TECHNOLOGY AND

2020

polymers constitute a separate area of environmental issues due to the generation of excessive
amounts of polymer wastes by industries and householders the world has been confronted by a
serious crisis furthermore due to rising environmental awareness and economical and petroleum
concerns an increasing attempt has been made to cope with polymer waste over the last few years
the traditional methods used to dispose of polymer waste such as the combustion of polymer wastes
or burying underground exert a negative influence on the environment from existing studies it seems
that the recycling process is one of the best techniques to treat waste polymer products the recycling
of polymers through advanced techniques is an important topic which is driven by both commercial
and environmental influences several new techniques have been developed along with the means of
reusing recycled polymers some of the commercially important technological processes for the
recycling of waste polymers include mechanical recycling chemical or feedstock recycling and energy
recovery keeping in mind the advantages of recycled polymers this book gives an overview of the
properties and processing of different kinds of recycled polymers along with their composites for a
range of applications this book is unique in the sense that it deals exclusively with the properties and
processing of different recycled polymers which are otherwise considered as waste the book is the
outcome of untiring efforts of researchers from different parts of the world with extensive research
experience in the field of recycled polymers across different disciplines some of the main features are
presents state of the art recycled polymers from different resources includes contributions from world
renowned experts on recycled polymers discusses the properties and durability of recycled polymer
based materials highlights new frontiers in the properties and applications of recycled polymers
focuses on recyclability and up to date progress on recycled polymers presents the effect of different
parameters on the properties of recycled polymers solutions for widespread application are
recommended current problems recent developments and applications are discussed

Microfluidics

2011-10-06

this book is composed by the papers written in english and accepted for presentation and discussion at the 2021 international conference on information technology systems icits 21 held at the universidad estatal península de santa elena in libertad ecuador between the 10th and the 12th of february 2021 icits is a global forum for researchers and practitioners to present and discuss recent findings and innovations current trends professional experiences and challenges of modern information technology and systems research together with their technological development and applications the main topics covered are information and knowledge management organizational models and information systems software and systems modelling software systems architectures applications and tools multimedia systems and applications computer networks mobility and pervasive systems intelligent and decision support systems big data analytics and applications human computer interaction ethics computers security health informatics and information technologies in education

Modules, Systems, and Applications in Thermoelectrics

2012-04-25

the mrs symposium proceeding series is an internationally recognised reference suitable for researchers and practitioners

Recycled Polymers

2015-05-22

dipolar recoupling by niels chr nielsen lasse a strassø and anders b nielsen solid state nmr techniques for the structural determination of amyloid fibrils by jerry c c chan solid state ¹⁹f nmr of peptides in native membranes by katja koch sergii afonin marco ieronimo marina berditsch and anne s ulrich probing quadrupolar nuclei by solid state nmr spectroscopy recent advances by christian fernandez and marek pruski solid state nmr of porous materials zeolites and related materials by hubert koller and mark weiß solid state nmr of inorganic semiconductors by james p yesinowski

Information Technology and Systems

2021-01-30

e based systems and computer networks are becoming standard practice across all sectors including health engineering business education security and citizen interaction with local and national government with contributions from researchers and practitioners from around the world this two volume book discusses and reports on new and important developments in the field of e systems covering a wide range of current issues in the design engineering and adoption of e systems

Multifunctional Nanoparticle Systems - Coupled Behavior and Applications: Volume 1257

2010-12-21

Organizational Learning and Knowledge

2006-03-31

advances in mathematical chemistry and applications volume 2 highlights the emerging discipline of mathematical chemistry or more precisely discrete mathematical chemistry this volume is written by internationally renowned experts in their respective fields and comprises of the wise integration of mathematical and chemical concepts which provide essential mathematical chemistry knowledge and cover numerous applications in the field of drug discovery bioinformatics chemoinformatics computational biology and ecological health the contents of this book include chapters on mathematical structural descriptors of molecules and biomolecules topological representation of molecular structure connectivity matrices use of weighted 2d fingerprints in similarity based virtual screening and many more this ebook is a valuable resource for msc and phd students academic personnel and researchers seeking updated and critically important information on the fundamental concepts of mathematical chemistry and their applications

Virtual Learning Environments

2012

these volumes form an authoritative statement of the current state of research in operator algebras they consist of papers arising from a year long symposium held at the university of warwick contributors include many very well known figures in the field



2020-09-25

milne intelligent applications ltd the papers in this volume are the application papers presented at es98 the eighteenth international conference of the british computer society s specialist group on expert systems this year has been yet another applications success for the conference with this volume containing seventeen papers describing either deployed applications or emerging applications all these documented case studies provide clear evidence of the success of ai technology in solving real business problems six of these papers were nominated for the best application award during the review process these nominations were then reviewed by the members of the programme committee to select the winning paper the papers in the volume were subject to refereeing by at least two referees all papers which were controversial for some reason were discussed in depth by the application programme committee ten referees from the industrial and commercial sector and nine referees from the academic sector assisted me in reviewing the papers the review form asked the referee to score the papers according to a number of dimensions to rate it overall and to offer critical comments to me and to the authors it also asks the referee to score their expertise in the area of each paper they review only reviews from expert referees are used

Stochastic Analysis and Applications, Volume 3

2003

in the competitive business arena companies must continually strive to create new and better products faster more efficiently and more cost effectively than their competitors to gain and keep the competitive advantage computer aided design cad computer aided engineering cae and computer aided manufacturing cam are now the industry standa

Electrical Drives for Direct Drive Renewable Energy Systems

2013-03-25

although there are many books available on wsns most are low level introductory books the few available for advanced readers fail to convey the breadth of knowledge required for those aiming to develop next generation solutions for wsns filling this void wireless sensor networks from theory to applications supplies comprehensive coverage of ws

Advances in Mathematical Chemistry and Applications

2015-07-02

a graduate course text written for readers familiar with measure theoretic probability and discrete time processes wishing to explore stochastic processes in continuous time the vehicle chosen for this exposition is brownian motion which is presented as the canonical example of both a martingale and a markov process with continuous paths in this context the theory of stochastic integration and stochastic calculus is developed illustrated by results concerning representations of martingales and change of measure on wiener space which in turn permit a presentation of recent advances in financial economics the book contains a detailed discussion of weak and strong solutions of stochastic differential equations and a study of local time for semimartingales with special emphasis on the theory of brownian local time the whole is backed by a large number of problems and exercises

Vitamins and Hormones

1978

abstract state machines asm sharpen the church turing thesis by the consideration of bounded resources for computing devices they view computations as an evolution of a state it has been shown that all known models of computation can be expressed through specific abstract state machines these models can be given in a representation independent way that is one advantage of transferring these models to asm the main advantage is however to provide a unifying theory to all of these models at the same time asm can be refined to other asms stepwise refinement supports separation of concern during software development and will support component based construction of systems thus providing a foundation of new computational paradigms such as industrial programming programming in the large and programming in the world asm 2004 continued the success story of the asm workshops previous workshops were held in the following european cities taormina italy 2003 dagstuhl germany 2002 las palmas de gran canaria spain 2001 monte verita switzerland 2000 toulouse france 1999 magdeburg germany 1998 cannes france 1998 1997 paderborn germany 1996 and h burg germany 1994 the asm workshops have had predecessors e.g the famous lipari summer school in 1993 whose influential outcome was the fundamental lipari guide

Operator Algebras and Applications: Volume 1, Structure Theory; K-theory, Geometry and Topology

1988

the focus of the book is on completed implementations of agent based software systems here agent technology is considered broadly starting from development of agent platforms all the way through systems actually implemented the covered topics also include lessons learned during implementation

of agent platforms and the reflection on the process of development and application of agent based systems the book includes 10 chapters where interested reader can find discussion of important issues encountered during development of well known agent platforms such as jade and jadex as well as some interesting experiences in developing a new platform that combines software agent and services furthermore the book shows readers several valuable examples of applications based on multi agent systems including simulations agents in autonomous negotiations and agents in public administration modelling we believe that the book will prove useful to the researchers professors and the practitioners in all disciplines including science and technology

Vitamins and Hormones

1969

not a new version included warning for self signed x509 certificates see section 5 2 this ibm redbooks publication describes the concepts architecture and implementation of the ibm xiv storage system the xiv storage system is a scalable enterprise storage system that is based on a grid array of hardware components it can attach to both fibre channel protocol fcp and ip network small computer system interface iscsi capable hosts this system is a good fit for clients who want to be able to grow capacity without managing multiple tiers of storage the xiv storage system is suited for mixed or random access workloads including online transaction processing video streamings images email and emerging workload areas such as 2 0 and cloud storage the focus of this edition is on the xiv gen3 running version 11 5 x of the xiv system software which brings enhanced value for the xiv storage system in cloud environments it offers multitenancy support vmware vcloud suite integration more discrete performance classes and restful api enhancements that expand cloud automation integration version 11 5 introduces support for three site mirroring to provide high availability and disaster recovery it also enables capacity planning through the hyper scale manager mobile push notifications for real time alerts and enhanced security version 11 5 1 supports 6tb drives and vmware vsphere virtual volumes vvol in the first few chapters of this book we describe many of the unique and powerful concepts that form the basis of the xiv storage system logical and physical architecture we explain how the system eliminates direct dependencies between the hardware elements and the software that governs the system in subsequent chapters we explain the planning and preparation tasks that are required to deploy the system in your environment by using the intuitive yet powerful xiv storage manager gui or the xiv command line interface we also describe the performance characteristics of the xiv storage system and present options for alerting and monitoring including enhanced secure remote support this book is for it professionals who want an understanding of the xiv storage system it is also for readers who need detailed advice on how to configure and use the system

Applications and Innovations in Expert Systems VI

2012-12-06

Vitamins and Hormones

1957-12-01

Computer-Aided Design, Engineering, and Manufacturing

2019-08-21

Vitamins and Hormones

1945

Wireless Sensor Networks

2013-08-28

Brownian Motion and Stochastic Calculus

2014-03-27

Abstract State Machines 2004. Advances in Theory and Practice

2004-04-27

Multiagent Systems and Applications

2014-11-09

IBM XIV Storage System Architecture and Implementation

2017-11-03

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