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VDI Heat Atlas - VDI Gesellschaft 2010-07-21

For more than 50 years, the Springer VDI Heat Atlas has been an indispensable working means for engineers dealing with questions of heat transfer. Featuring 50% more content, this new edition covers most fields of heat transfer in industrial and engineering applications. It presents the interrelationships between basic scientific methods, experimental techniques, model-based analysis and their transfer to technical applications.

Political Philosophy - Adam Swift 2013-12-31

Bringing political philosophy out of the ivory tower and within the reach of all, this book provides us with the tools to cut through the complexity of modern politics.

Reverse Osmosis Technical Manual - Burns and Roe Industrial Services Corporation 1979

Dependable Computer Systems - Wojciech Zamojski 2011-05-13

Dependability analysis is the recent approach to performance evaluation of contemporary systems which tries to cope with new challenges that are brought with their unprecedented complexity, size and diversity. Especially in case of computer systems and networks such evaluation must be based on multidisciplinary approach to theory, technology, and maintenance of systems which operate in real (and very often unfriendly)

environments. As opposed to “classic” reliability which focuses mainly on technical aspects of system functioning, dependability studies investigate the systems as multifaceted and sophisticated amalgamations of technical, information and also human resources. This monograph presents selected new developments in such areas of dependability research as mathematical models, evaluation of software, probabilistic assessment, methodologies, tools, and technologies. Intelligent and soft computing methods help to resolve fundamental problems of dependability analysis which are caused by the fact that in contemporary computer systems it is often difficult to find a relation between system elements and system events (the relation between reasons and results) and it is even more difficult to define strict mathematical models with “analytical” relationships between such phenomena.

Proceedings of the 12th International Conference on Measurement and Quality Control - Cyber Physical Issue - Vidosav D. Majstorovic 2019-05-03

This book gathers the proceedings of the 12th International Conference on Measurement and Quality Control – Cyber Physical Issues (IMEKO TC 14 2019), held in Belgrade, Serbia, on 4-7 June 2019. The event marks the latest in a series of high-level conferences that bring together experts from academia and industry to exchange knowledge, ideas, experiences, research findings, and information in the field of measurement of

geometrical quantities. The book addresses a wide range of topics, including: 3D measurement of GPS characteristics, measurement of gears and threads, measurement of roughness, micro- and nano-metrology, laser metrology for precision measurements, cyber physical metrology, optical measurement techniques, industrial computed tomography, multisensor techniques, intelligent measurement systems, evaluating measurement uncertainty, dimensional management in industry, product quality assurance methods, and big data analytics. By providing updates on key issues and highlighting recent advances in measurement and quality control, the book supports the transfer of vital knowledge to the next generation of academics and practitioners.

The Use of Saline Waters for Crop Production - J. D. Rhoades 1992

Handbook of Diesel Engines - Klaus Mollenhauer 2010-06-22

This machine is destined to completely revolutionize cylinder diesel engine up through large low speed t- engine engineering and replace everything that exists. stroke diesel engines. An appendix lists the most (From Rudolf Diesel's letter of October 2, 1892 to the important standards and regulations for diesel engines. publisher Julius Springer.) Further development of diesel engines as economiz- Although Diesel's stated goal has never been fully ing, clean, powerful and convenient drives for road and achievable of course, the diesel engine indeed revolutionroad use has proceeded quite dynamically in the tionized drive systems. This handbook documents the last twenty years in particular. In light of limited oil current state of diesel engine engineering and technology reserves and the discussion of predicted climate ogy. The impetus to publish a Handbook of Diesel change, development work continues to concentrate Engines grew out of ruminations on Rudolf Diesel's on reducing fuel consumption and utilizing alternative transformation of his idea for a rational heat engine fuels while keeping exhaust as clean as possible as well into reality more than 100 years ago. Once the patent as further increasing diesel engine power density and was filed in 1892 and work on his engine commenced enhancing operating performance.

Proceedings of the 5th Brazilian Technology Symposium - Yuzo Iano

2020-12-15

This book presents the proceedings of the 5th Edition of the Brazilian Technology Symposium (BTSym). This event brings together researchers, students and professionals from the industrial and academic sectors, seeking to create and/or strengthen links between issues of joint interest, thus promoting technology and innovation at nationwide level. The BTSym facilitates the smart integration of traditional and renewable power generation systems, distributed generation, energy storage, transmission, distribution and demand management. The areas of knowledge covered by the event are Smart Designs, Sustainability, Inclusion, Future Technologies, IoT, Architecture and Urbanism, Computer Science, Information Science, Industrial Design, Aerospace Engineering, Agricultural Engineering, Biomedical Engineering, Civil Engineering, Control and Automation Engineering, Production Engineering, Electrical Engineering, Mechanical Engineering, Naval and Oceanic Engineering, Nuclear Engineering, Chemical Engineering, Probability and Statistics.

Industrializing Additive Manufacturing - Proceedings of Additive Manufacturing in Products and Applications - AMPA2017 - Mirko Meboldt 2017-09-05

These proceedings exchange ideas and knowledge among engineers, designers and managers on how to support real-world value chains by developing additive manufactured series products. The papers from the conference show a holistic, multidisciplinary view.

Noise Reduction Techniques in Electronic Systems - Henry W. Ott 1988-03-23

This updated and expanded version of the very successful first edition offers new chapters on controlling the emission from electronic systems, especially digital systems, and on low-cost techniques for providing electromagnetic compatibility (EMC) for consumer products sold in a competitive market. There is also a new chapter on the susceptibility of electronic systems to electrostatic discharge. There is more material on FCC regulations, digital circuit noise and layout, and digital circuit radiation. Virtually all the material in the first edition has been retained.

Contains a new appendix on FCC EMC test procedures.

Hot Isostatic Pressing - Pranesh Dayal 2019-03-15

Hot Isostatic Pressing (HIP) has important applications in advanced materials manufacturing, automotive, aerospace, oil and gas industries, power generation, and medical and nuclear fields. The symposium focused on HIP applications in such areas as material optimization, radioactive nuclear waste, cast aluminum alloys, ceramic materials, superalloys, manufacturing of turbine blisks, densification of additive manufactured parts, diffusion welding of dissimilar metals and alloys, heat treatment inside the HIP unit, turbopump components, improved tooling materials, valve spindles for engines, Ni-base superalloys, titanium aluminide, stainless steels, metal matrix composites, phase transformations, uniform load cooling equipment, duplex steel, diamond/SiC composites, large hot zone units, additive manufacturing, efficient modeling, reactor vessel fabrication, electron beam welding, superconducting magnet structures.

AI and Learning Systems - Konstantinos Kyprianidis 2021-02-17

Over the last few years, interest in the industrial applications of AI and learning systems has surged. This book covers the recent developments and provides a broad perspective of the key challenges that characterize the field of Industry 4.0 with a focus on applications of AI. The target audience for this book includes engineers involved in automation system design, operational planning, and decision support. Computer science practitioners and industrial automation platform developers will also benefit from the timely and accurate information provided in this work. The book is organized into two main sections comprising 12 chapters overall: •Digital Platforms and Learning Systems •Industrial Applications of AI

Power Piping - Charles Becht, IV 2013

This essential new volume provides background information, historical perspective, and expert commentary on the ASME B31.1 Code requirements for power piping design and construction. It provides the most complete coverage of the Code that is available today and is packed with additional information useful to those responsible for the design and

mechanical integrity of power piping. The author, Dr. Becht, is a long-serving member of ASME piping code committees and is the author of the highly successful book, *Process Piping: The Complete Guide to ASME B31.3*, also published by ASME Press and now in its third edition. Dr. Becht explains the principal intentions of the Code, covering the content of each of the Code's chapters. Book inserts cover special topics such as spring design, design for vibration, welding processes and bonding processes. Appendices in the book include useful information for pressure design and flexibility analysis as well as guidelines for computer flexibility analysis and design of piping systems with expansion joints. From the new designer wanting to know how to size a pipe wall thickness or design a spring to the expert piping engineer wanting to understand some nuance or intent of the Code, everyone whose career involves process piping will find this to be a valuable reference.

Transients in Electrical Systems: Analysis, Recognition, and Mitigation - J. C. Das 2010-05-06

Detect and Mitigate Transients in Electrical Systems This practical guide explains how to identify the origin of disturbances in electrical systems and analyze them for effective mitigation and control. Transients in Electrical Systems considers all transient frequencies, ranging from 0.1 Hz to 50 MHz, and discusses transmission line and cable modeling as well as frequency dependent behavior. Results of EMTP simulations, solved examples, and detailed equations are included in this comprehensive resource. Transients in Electrical Systems covers: Transients in lumped circuits Control systems Lightning strokes, shielding, and backflashovers Transients of shunt capacitor banks Switching transients and temporary overvoltages Current interruption in AC circuits Symmetrical and unsymmetrical short-circuit currents Transient behavior of synchronous generators, induction and synchronous motors, and transformers Power electronic equipment Flicker, bus, transfer, and torsional vibrations Insulation coordination Gas insulated substations Transients in low-voltage and grounding systems Surge arresters DC systems, short-circuits, distributions, and HVDC Smart grids and wind power generation

Spreading Resistance Symposium - James R. Ehrstein 1974

Planning Guide for Power Distribution Plants - Hartmut Kiank
2012-01-27

When planning an industrial power supply plant, the specific requirements of the individual production process are decisive for the design and mode of operation of the network and for the selection and design and ratings of the operational equipment. Since the actual technical risks are often hidden in the profound and complex planning task, planning decisions should be taken after responsible and careful consideration because of their deep effects on supply quality and energy efficiency. This book is intended for engineers and technicians of the energy industry, industrial companies and planning departments. It provides basic technical network and plant knowledge on planning, installation and operation of reliable and economic industrial networks. In addition, it facilitates training for students and graduates in this field. In an easy and comprehensible way, this book informs about solution competency gained in many years of experience. Moreover, it also offers planning recommendations and knowledge on standards and specifications, the use of which ensures that technical risks are avoided and that production and industrial processes can be carried out efficiently, reliably and with the highest quality.

The Human Face of Big Data - Rick Smolan 2012

The authors invited more than 100 journalists worldwide to use photographs, charts and essays to explore the world of big data and its growing influence on our lives and society.

New Advances in Mechanisms, Transmissions and Applications -

Victor Petuya 2013-08-04

The Second Conference on Mechanisms, Transmissions and Applications - MeTrApp 2013 was organised by the Mechanical Engineering Department of the University of the Basque Country (Spain) under the patronage of the IFToMM Technical Committees Linkages and Mechanical Controls and Micromachines and the Spanish Association of Mechanical Engineering. The aim of the workshop was to bring together

researchers, scientists, industry experts and students to provide, in a friendly and stimulating environment, the opportunity to exchange know-how and promote collaboration in the field of Mechanism and Machine Science. The topics treated in this volume are mechanism and machine design, biomechanics, mechanical transmissions, mechatronics, computational and experimental methods, dynamics of mechanisms and micromechanisms and microactuators.

Persuasion - James Borg 2008-12

Persuade Anyone! Gain the ULTIMATE competitive advantage—at work and in life! Master the 7 ESSENTIAL SKILLS that win hearts and minds! Practical, easy, effective! We all know people who are incredibly persuasive. With effortless charm, they manage to somehow gain our trust, interest, and support, time and time again. Is it a gift they are born with? Is it all an illusion? No, it's the art of persuasion, and you can learn it too. Based on years of analyzing the behaviors and mind-sets of the most persuasive people around, Persuasion gives you the magic formula to master the power of persuasion—the ultimate way to achieve success in work and life. Introduction xv Chapter 1: The Power of Persuasion: How Empathy and Sincerity Work Wonders for You 1 Chapter 2: Being a Good Listener: Why Listening Is So Crucial 11 Chapter 3: Attention, Please: Keeping Attention Where You Want It 27 Chapter 4: Know Your Body Language: How to Read Nonverbal Signals from Others and Send Out the Right Ones 47 Chapter 5: Memory Magic: The Impact of Good Recall and Simple Tips to Improve Your Memory 71 Chapter 6: Make Words Work for You—The Power of Psycholinguistics: Success Can Depend on Saying the Right Thing at the Right Time 97 Chapter 7: Telephone Telepathy: Learn to Use the Telephone to Your Best Advantage and Read Situations Better 117 Chapter 8: Negotiating for Mutual Benefit: Understand the Psychology Involved to Achieve the Best Possible Result 147 Chapter 9: “Difficult” People (and Their Behavior): Who Are They? 177 Chapter 10: The Personality Spectrum: How to Identify Successfully and Deal with Different “Types” 191

Clinical Applications of Mass Spectrometry in Biomolecular Analysis -

Uttam Garg 2015-11-25

This volume provides stepwise instructions for the analysis of numerous clinically important analytes by mass spectrometry. Mass spectrometry offers clinical laboratory scientists a number of advantages including increased sensitivity and specificity, multiple component analysis, and no need for specialized reagents. The techniques described are a must for the measurement of many clinically relevant analytes in the fields of drug analysis, endocrinology, and inborn errors of metabolism. Each chapter provides a brief introduction about a specified analyte, followed by detailed instructions on the analytical protocol. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Cutting edge and practical, *Clinical Applications of Mass Spectrometry in Biomolecular Analysis: Methods and Protocols* is a great resource for clinical laboratory scientists who are already using or thinking of bringing mass spectrometry to their laboratories.

Discrete-Signal Analysis and Design - William E. Sabin 2008-02-04

A clear, step-by-step approach to practical uses of discrete-signal analysis and design, especially for communications and radio engineers. This book provides an introduction to discrete-time and discrete-frequency signal processing, which is rapidly becoming an important, modern way to design and analyze electronics projects of all kinds. It presents discrete-signal processing concepts from the perspective of an experienced electronics or radio engineer, which is especially meaningful for practicing engineers, technicians, and students. The approach is almost entirely mathematical, but at a level that is suitable for undergraduate curriculums and also for independent, at-home study using a personal computer. Coverage includes: First principles, including the Discrete Fourier Transform (DFT) Sine, cosine, and theta Spectral leakage and aliasing Smoothing and windowing Multiplication and convolution Probability and correlation Power spectrum Hilbert transform The accompanying CD-ROM includes Mathcad® v.14 Academic Edition, which is reproduced with permission and has no time

limitation for use, providing users with a sophisticated and world-famous tool for a wide range of applied mathematics capabilities. *Discrete-Signal Analysis and Design* is written in an easy-to-follow, conversational style and supplies readers with a solid foundation for more advanced literature and software. It employs occasional re-examination and reinforcement of particularly important concepts, and each chapter contains self-study examples and full-page Mathcad® Worksheets, worked-out and fully explained.

Electric and Magnetic Fields - R. Belmans 2012-12-06

This book contains the edited versions of the papers presented at the Second International Workshop on Electric and Magnetic Fields held at the Katholieke Universiteit van Leuven (Belgium) in May 1994. This Workshop deals with numerical solutions of electromagnetic problems in real life applications. The topics include coupled problems (thermal, mechanical, electric circuits), CAD & CAM applications, 3D eddy current and high frequency problems, optimisation and application oriented numerical problems. This workshop was organised jointly by the AIM (Association of Engineers graduated from de Montefiore Electrical Institute) together with the Departments of Electrical Engineering of the Katholieke Universiteit van Leuven (Prof. R. Belmans), the University of Gent (Prof. J. Melkebbek) and the University of Liege (Prof. W. Legros). These laboratories are working together in the framework of the Pole d'Attraction Interuniversitaire - Inter-University Attractie-Pole 51 - on electromagnetic systems led by the University of Liege and the research work they perform covers most of the topics of the Workshop. One of the principal aims of this Workshop was to provide a bridge between the electromagnetic device designers, mainly industrialists, and the electromagnetic field computation developers. Therefore, this book contains a continuous spectrum of papers from application of electromagnetic models in industrial design to presentation of new theoretical developments.

Introduction to Nuclear Engineering - John R. Lamarsh 2011-03-04

The text is designed for junior and senior level Nuclear Engineering students. The third edition of this highly respected text offers the most

current and complete introduction to nuclear engineering available. Introduction to Nuclear Engineering has been thoroughly updated with new information on French, Russian, and Japanese nuclear reactors. All units have been revised to reflect current standards. In addition to the numerous end-of-chapter problems, computer exercises have been added.

Transmission Line Design Manual - Holland H. Farr 1980

Non-destructive Testing and Repair of Pipelines - Evgeny N. Barkanov
2017-08-07

This book describes efficient and safe repair operations for pipelines, and develops new methods for the detection and repair of volumetric surface defects in transmission pipelines. It also addresses the physics, mechanics, and applications of advanced materials used for composite repair of corroded pipelines. Presenting results obtained in the European Commission's INNOPIPES FRAMEWORK 7 programme, it develops long-range ultrasonic and phased array technologies for pipeline diagnostics, and explores their interactions with discontinuities and directional properties of ultrasonic antenna array. The book subsequently shares the results of non-destructive testing for different types of materials applications and advanced composite repair systems, and characterizes the mechanical properties by means of fracture methods and non-destructive techniques. In turn, the book assesses the currently available technologies for reinforcement of pipelines, drawing on the experience gained by project partners, and evaluates the recovery of the carrying capacity of pipeline sections with local corrosion damage by means of analytical and numerical procedures. It develops an optimization method based on the planning of experiments and surface techniques for advanced composite repair systems, before validating the numerical models developed and experimentally gauging the effectiveness of composite repair with the help of full-scale hydraulic tests.

Applications of X-ray Computed Tomography in the Geosciences - Florias Mees 2003

X-ray computed tomography (CT) is a technique that allows non-

destructive imaging and quantification of internal features of objects. X-ray CT reveals differences in density and atomic composition and can therefore be used for the study of porosity, the relative distribution of contrasting solid phases and the penetration of injected solutions. In this book, various applications of X-ray CT in the geosciences are illustrated by papers covering a wide range of disciplines, including petrology, soil science, petroleum geology, geomechanics and sedimentology.

Theory and Applications of Dependable Computer Systems - Wojciech Zamojski 2020-05-21

This book presents selected papers from the Fifteenth International Conference on Dependability of Computer Systems (DepCoS-RELCOMEX), which illustrate the diversity of theoretical problems in analysis of performability, reliability and security of contemporary computer systems. Covering also methodologies and practical tools involved in this field, it is a valuable reference resource for scientists, researchers, practitioners and students who are dealing with these subjects. Established in 2006, DepCoS-RELCOMEX is an annual conference series organised by Wrocław University of Science and Technology. It focuses on the dependability and performability of contemporary computer systems - topics that can provide solutions to new challenges in evaluation of their reliability and efficiency. Since they are probably the most complex technical systems ever engineered by humans, the organization of modern computer systems cannot be modelled and analysed solely as structures (however complex and distributed) built only on the basis of technical resources. Instead they should be considered as a unique blend of interacting people (their needs and behaviours), networks (together with mobile properties, iCloud organisation, Internet of Everything) and a large number of users dispersed geographically and producing an unimaginable number of applications. This new, interdisciplinary approach is developing a continually increasing range of methods which apply also the latest findings in artificial intelligence (AI) and computational intelligence (CI).

Design Approaches for Solar Industrial Process Heat Systems - Charles F. Kutscher 1982

Shape Analysis in Medical Image Analysis - Shuo Li 2014-01-28

This book contains thirteen contributions from invited experts of international recognition addressing important issues in shape analysis in medical image analysis, including techniques for image segmentation, registration, modelling and classification and applications in biology, as well as in cardiac, brain, spine, chest, lung and clinical practice. This volume treats topics such as for example, anatomic and functional shape representation and matching; shape-based medical image segmentation; shape registration; statistical shape analysis; shape deformation; shape-based abnormality detection; shape tracking and longitudinal shape analysis; machine learning for shape modeling and analysis; shape-based computer-aided-diagnosis; shape-based medical navigation; benchmark and validation of shape representation, analysis and modeling algorithms. This work will be of interest to researchers, students and manufacturers in the fields of artificial intelligence, bioengineering, biomechanics, computational mechanics, computational vision, computer sciences, human motion, mathematics, medical imaging, medicine, pattern recognition and physics.

New Trends in Medical and Service Robots - Doina Pisla 2013-09-06

This book contains mainly the selected papers of the First International Workshop on Medical and Service Robots, held in Cluj-Napoca, Romania, in 2012. The high quality of the scientific contributions is the result of a rigorous selection and improvement based on the participants' exchange of opinions and extensive peer-review. This process has led to the publishing of the present collection of 16 independent valuable contributions and points of view and not as standard symposium or conference proceedings. The addressed issues are: Computational Kinematics, Mechanism Design, Linkages and Manipulators, Mechanisms for Biomechanics, Mechanics of Robots, Control Issues for Mechanical Systems, Novel Designs, Teaching Methods, all of these being concentrated around robotic systems for medical and service applications. The results are of interest to researchers and professional practitioners as well as to Ph.D. students in the field of mechanical and electrical engineering. This volume marks the start of a subseries

entitled "New Trends in Medical and Service Robots" within the Machine and Mechanism Science Series, presenting recent trends, research results and new challenges in the field of medical and service robotics.

Fluid Machinery and Fluid Mechanics - Jianzhong Xu 2010-07-05

"Fluid Machinery and Fluid Mechanics: 4th International Symposium (4th ISFMFE)" is the proceedings of 4th International Symposium on Fluid Machinery and Fluid Engineering, held in Beijing November 24-27, 2008. It contains 69 highly informative technical papers presented at the Mei Lecture session and the technical sessions of the symposium. The Chinese Society of Engineering Thermophysics (CSET) organized the First, the Second and the Third International Symposium on Fluid Machinery and Fluid Engineering (1996, 2000 and 2004). The purpose of the 4th Symposium is to provide a common forum for exchange of scientific and technical information worldwide on fluid machinery and fluid engineering for scientists and engineers. The main subject of this symposium is "Fluid Machinery for Energy Conservation". The "Mei Lecture" reports on the most recent developments of fluid machinery in commemoration of the late professor Mei Zuyan. The book is intended for researchers and engineers in fluid machinery and fluid engineering. Jianzhong Xu is a professor at the Chinese Society of Engineering Thermophysics, Chinese Academy of Sciences, Beijing.

Reverse Osmosis and Nanofiltration - American Water Works Association 1998

This book explains the processes of membrane technologies applications, used in the treatment of water sources and by medical professionals for kidney dialysis, and is a helpful research tool for engineers, scientists, administrators, and educators seeking an introduction to these processes. Covers history and theory, design and equipment, regulations, and more.

Medical Imaging Physics - William R. Hendee 2002

This comprehensive publication covers all aspects of image formation in modern medical imaging modalities, from radiography, fluoroscopy, and computed tomography, to magnetic resonance imaging and ultrasound. It addresses the techniques and instrumentation used in the rapidly

changing field of medical imaging. Now in its fourth edition, this text provides the reader with the tools necessary to be comfortable with the physical principles, equipment, and procedures used in diagnostic imaging, as well as appreciate the capabilities and limitations of the technologies.

Schaum's Outline of Basic Electricity - Milton Gussow 2007

Sample problems and their solutions accompany explanations of aspects of electricity, such as electric circuits, alternating current, and electromagnetism.

Proceedings of the 8th International Conference on Sciences of Electronics, Technologies of Information and Telecommunications (SETIT18), Vol. 1 - Med Salim Bouhlel 2020

This two-volume book presents an unusually diverse selection of research papers, covering all major topics in the fields of information and communication technologies and related sciences. It provides a wide-angle snapshot of current themes in information and power engineering, pursuing a cross-disciplinary approach to do so. The book gathers revised contributions that were presented at the 2018 International Conference: Sciences of Electronics, Technologies of Information and Telecommunication (SETIT'18), held on 20-22 December 2018 in Hammamet, Tunisia. This eighth installment of the event attracted a wealth of submissions, and the papers presented here were selected by a committee of experts and underwent additional, painstaking revision. Topics covered include: · Information Processing · Human-Machine Interaction · Computer Science · Telecommunications and Networks · Signal Processing · Electronics · Image and Video This broad-scoped approach is becoming increasingly popular in scientific publishing. Its aim is to encourage scholars and professionals to overcome disciplinary barriers, as demanded by current trends in the industry and in the consumer market, which are rapidly leading toward a convergence of data-driven applications, computation, telecommunication, and energy awareness. Given its coverage, the book will benefit graduate students, researchers and practitioners who need to keep up with the latest technological advances.

Reliability and Statistics in Transportation and Communication - Igor Kabashkin 2018-01-23

This book reports on cutting-edge theories and methods for analyzing complex systems, such as transportation and communication networks and discusses multi-disciplinary approaches to dependability problems encountered when dealing with complex systems in practice. The book presents the most noteworthy methods and results discussed at the International Conference on Reliability and Statistics in Transportation and Communication (RelStat), which took place in Riga, Latvia on October 18 - 21, 2017. It spans a broad spectrum of topics, from mathematical models and design methodologies, to software engineering and data security issues, as well as practical problems in technical systems, such as transportation, and telecommunications.

Applied Iterative Methods - CHARLES L. BYRNE 2021-09-30

This book is a collection of essays on iterative algorithms and their uses. It focuses on the mathematics of medical image reconstruction, with emphasis on Fourier inversion. The book discusses the problems and algorithms in the context of operators on finite-dimensional Euclidean space.

Advanced Bash Scripting Guide - Mendel Cooper

Good Agricultural Practices for Greenhouse Vegetable Crops - 2013

This publication capitalizes on the experience of scientists from the North Africa and Near East countries, in collaboration with experts from around the world, specialized in the different aspects of greenhouse crop production. It provides a comprehensive description and assessment of the greenhouse production practices in use in Mediterranean climate areas that have helped diversify vegetable production and increase productivity. The publication is also meant to be used as a reference and tool for trainers and growers as well as other actors in the greenhouse vegetables value chain in this region.

Nondestructive Characterization of Materials IV - J.F. Bussière 2013-11-11

There is a great deal of interest in extending nondestructive technologies beyond the location and identification of cracks and voids. Specifically there is growing interest in the application of nondestructive evaluation (NOE) to the measurement of physical and mechanical properties of materials. The measurement of materials properties is often referred to as materials characterization; thus nondestructive techniques applied to characterization become nondestructive characterization (NDC). There are a number of meetings, proceedings and journals focused upon nondestructive technologies and the detection and identification of cracks and voids. However, the series of symposia, of which these proceedings represent the fourth, are the only meetings uniquely focused upon nondestructive characterization. Moreover, these symposia are

especially concerned with stimulating communication between the materials, mechanical and manufacturing engineer and the NDE technology oriented engineer and scientist. These symposia recognize that it is the welding of these areas of expertise that is necessary for practical development and application of NDC technology to measurements of components for in service life time and sensor technology for intelligent processing of materials. These proceedings are from the fourth international symposia and are edited by c.o. Ruud, J. F. Bussiere and R.E. Green, Jr. . The dates, places, etc of the symposia held to date are as follows: Symposia on Nondestructive Methods for TITLE: Material Property Determination DATES: April 6-8, 1983 PLACE: Hershey, PA, USA CHAIRPERSONS: C.O. Ruud and R.E. Green, Jr.