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Reacting Flows: Combustion and Chemical Reactors Marquis Who's Who

The third edition of Java Precisely provides a concise description of the Java programming language, version 8.0. It offers a quick reference for the reader who has already learned (or is learning) Java from a standard textbook and who wants to know the language in more detail. The book presents the entire Java programming language and essential parts of the class libraries: the collection classes, the input-output classes, the stream libraries and Java 8's facilities for parallel programming, and the functional interfaces used for that. h written informally, the book describes the language in detail and offers many examples. For clarity, most of the general rules appear on left-hand pages with the relevant examples directly opposite on the right-hand pages. All examples are fragments of legal Java programs. The complete ready-to-run example programs are available on the book's website. This third edition adds material about functional parallel processing of arrays; default and static methods on interfaces; a brief description of the memory model and visibility across concurrent threads; lambda expressions, method reference expressions, and the related functional interfaces; and stream processing, including parallel programming and collectors. -- Provided by publisher.

ENGLISH LANGUAGE LABORATORIES American Inst. of Physics

The management of technological innovation (MTI) is one of the most important challenges facing businesses today. Innovation has become the fundamental driver of competitiveness for firms of all sizes in virtually all business sectors and nations. The first edition of this book has become one of the most popular texts for students of innovation and technology management. This new edition sees David Gann and Ammon Salter join Mark Dodgson as authors, drawing on their combined experience of 60 years of researching and teaching MTI. It combines the most relevant theoretical analysis with contemporary and historical empirical evidence to provide a comprehensive, yet concise and readable, guide to the challenges of MTI. By explaining the innovation process the book reveals the broad scope of MTI and its importance for company survival, growth and sustainability. It describes how MTI has to be managed strategically and how this is successfully achieved by formulating and implementing strategy and delivering value. Chapters provide frameworks, tools and techniques, and case studies on managing: innovation strategy, communities, and networks, R&D, design and new product and service development, operations and production, and commercialization. Based on robust analysis, the book provides a wide range of empirical evidence from a huge diversity of case studies, with around fifty case studies newly

written for this edition. It analyses MTI in all parts of the world, in companies large and small, and in services, manufacturing, and resource-based business sectors. This new edition has been fully revised and updated to reflect the latest teaching and research, and to ensure its continuing relevance to the contemporary world of MTI. It will be an important resource for academics, students, and managers throughout the world, is a recommended text for students of innovation and technology management at postgraduate and undergraduate level, and is particularly valuable for MBA courses.

Catia V5-6r2017 S. Chand Publishing

Actionable strategies for the design and construction of fire-resistant structures This hands-on guide clearly explains the complex building codes and standards that relate to fire design and presents hands-on techniques engineers can apply to prevent or mitigate the effects of fire in structures. Dedicated chapters discuss specific procedures for steel, concrete, and timber buildings. You will get step-by-step guidance on how to evaluate fire resistance using both testing and calculation methods. Structural Fire Engineering begins with an introduction to the behavioral aspects of fire and explains how structural materials react when exposed to elevated temperatures. From there, the book discusses the fire design aspects of key codes and standards, such as the International Building Code, the International Fire Code, and the NFPA Fire Code. Advanced topics are covered in complete detail, including residual capacity evaluation of fire damaged structures and fire design for bridges and tunnels. Explains the fire design requirements of the IBC, IFC, the NFPA Fire Code, and National Building Code of Canada Presents design strategies for steel, concrete, and timber structures as well as for bridges and tunnels Contains downloadable spreadsheets and problems along with solutions for instructors

Lens Epithelium and Posterior Capsular Opacification McGraw Hill Professional

A book on Grammar. The ebook version does not contain CD.

The King's Grammar Oxford University Press

This book is the first to summarize the current knowledge of the cell biology of lens epithelial cells in relation to and in the development of posterior capsular opacification (PCO). PCO remains the most common long-term complication of modern cataract surgery, occurring months or years after cataract surgery, unlike most other complications that tend to arise during or soon after the procedure. Opacification of the posterior capsule appears to be linked to lens epithelial cells that are left behind in the eye during cataract removal. These cells proliferate, migrate across the posterior lens capsule, and undergo changes that result in fibrous or pearl-type opacities in the capsule. The first section of the text explains the molecular mechanism and biology of lens

epithelial cells that lead to the incidence of PCO. In the second part, in addition to a description of the mechanism and pathological condition of PCO, surgical methods and devices for preventing PCO are discussed in detail. Lens Epithelium and Capsular Opacification will benefit not only young clinical residents and junior researchers, but also established faculty in the clinical or basic academic field.

Virtual Nonlinear Multibody Systems Springer

www.thelastkeytosuccess.com gracegong.com If you want to learn from people who successfully raised fundings from top investors like Mark Cuban, Jerry Yang, from people who give Ted talks, go on Shark Tank, get invited to the World Economic Forum, who are on the list of Forbes 30 under 30, this is the book for you. This book is a guide for people trying to create a company in America. It includes 21 successful founders. In it, each founder covers about 2 out of the 13 topics below to share their opinions and personal experiences from when they started their own business. Topics include: 1. How do you start a company? 2. Resources, experiences, strength? 3. Co-founder, teammates and mentorship? 4. Supporting yourself (Financial independence and mentality) 5. Product 6. Competition & Trend 7. Product, Operate & Manage 8. Raise money & business model 9. Scalability & Growth 10. Sales & marketing 11. Global/ Visa/ Legal 12. Dealing with failures 13. Value, self-improvement & future advice

Toyo Ito Cambridge University Press

You might think more than enough design books exist in the programming world already. In fact, there are so many that it makes sense to ask why you would read yet another. Is there really a need for yet another design book? In fact, there is a greater need than ever before, and Practical API Design: Confessions of a Java Framework Architect fills that need! Teaches you how to write an API that will stand the test of time Written by the designer of the NetBeans API at Sun Technologies Based on best practices, scalability, and API design patterns

Practical API Design PHI Learning Pvt. Ltd.

This book presents the best articles and columns published in Java Report between 1997 and 1999. Each article is independent of any specific version of Java and relies mainly on those classes that are now part of the standard Java class library and APIs. Also, each article and column discusses Java topics and implementations that are not readily available in a single book. The book serves as an excellent reference to anyone involved with Java. The reader can learn more about the language, perform analysis, design and modeling, work on specific implementations, check performance, and perform testing. This book presents the good ideas of people who have used Java for "Real" applications.

Augmentation of Brain Function: Facts, Fiction and Controversy. Volume III: From Clinical Applications to Ethical Issues and Futuristic Ideas Palgrave Macmillan

The CATIA V5-6R2017: Sheet Metal Design learning guide enables students to create features that are specific to the sheet metal modeling process. Students are provided with a process-based approach to creating sheet metal models. Each step in the process is discussed in depth using lectures and several hands-on practices. This learning guide focuses on the Generative Sheet Metal Design workbench. Topics Covered Learn the AutoCAD Civil 3D user interface. Generative Sheet Metal Design workbench Sheet Metal terminology Sheet Metal process Sheet Metal parameters Primary wall creation - Profile, Extruded, Rolled, and Hopper Defining walls

Secondary walls - Wall on edge (automatic and sketch based), Tangent, Swept Cylindrical bends Bends from flat Unfolded view Corner relief Point and curve mapping Creating standard stamps - surface stamp, bead, curve stamp, flanged cutout, louver, bridge, flanged hole, circular stamp, stiffening rib, dowel Punch and die Punch with Opening Faces Sheet Metal features - Corners, chamfers, cuts and holes Feature duplication Patterning - rectangular patterns, circular patterns User patterns Converting a solid part to sheet metal Output to DXF and drawing Prerequisites CATIA V5-6 R2017: Introduction to Modeling

International Conference on Modeling, Optimization, and Computing (ICMOC 2010) Palgrave Macmillan

Represents the culmination of the Special Year '84-'85 in Reacting Flows held at Cornell University. This work focuses on both mathematical and computational questions in combustion and chemical reactors. It is suitable for researchers and graduate students in the theory of reacting flows.

A Crown of Maples Apress

Today, acquiring English language skills has become so essential, especially for those who are looking for new jobs in reputed organizations as well as for the practising professionals. Many engineering students, even though they have adequate knowledge of their subject, are unable to express themselves well in English. Taking this into account, engineering colleges/institutes have introduced exclusive English Language Laboratories where students are drilled in the practical aspects of the English language. This compact and comprehensive book is a step-by-step practical guide to students, telling them how to prepare technical reports and how to acquire the basic communication skills—listening, speaking, reading and writing. The book deals with conversation, situational dialogues and role plays, and Group Discussions (GDs). It also gives detailed discussion about Interviews—step-by-step preparation, practical and psychological preparation, the dos and don'ts for interview—besides dealing with different kinds of interviews: telephonic, videoconferencing, and others. In addition, the text stresses the importance of researching the organization, and salary negotiations. Finally, the book shows the students how to make powerpoint presentations (PPTs), the structure of presentation and using audio visuals. This activity based, skill-oriented, learner centred book is designed according to the WBUT syllabus on Technical Report Writing and Language Laboratory Practice for the B.Tech. students. However, it would be equally useful for B.Tech./B.E. students across the country. **DISTINGUISHING FEATURES :** A practical and student friendly text, the stress being on the functional aspects of the language and various activities for acquiring the language. Gives the Methodology of conducting activities such as GDs, Interviews and Presentation. Provides model GD topics and the step-by-step process of making PPTs. Clearly spells out all the details, right from preparing a good job application, researching the company (including its financial health), to preparing the job portfolio, to wearing the proper dress, handling questions, and negotiating salary. Provides an extensive list of probable questions along with their answers to prepare students for mock interviews. Also gives well-crafted questions at the end of each lesson.

Private Rights and Public Problems Prentice Hall

The topics of the conference are very timely as the phenomenal advancements of computing facilities have pierced every segment of science, engineering and technology to find solutions of complex problems with ever-increasing accuracy and are helping academicians, scientists,

researchers, engineers, software developers, and practitioners achieve significant progress in the solution of previously-unsolved problems. This trend is particularly significant in fluid and thermo-fluid mechanics, energy, software engineering, drug delivery systems, system biology, bioinformatics, etc., where computer-based simulation and optimization (online and offline) have found extensive applications. The primary goal of the conference is to promote the applications of modeling, optimization methods and computing methods in the general area of science and engineering.

More Java Gems Ascent, Center for Technical Knowledge

The Manual of Engineering Drawing has long been recognised as the student and practising engineer's guide to producing engineering drawings that comply with ISO and British Standards. The information in this book is equally applicable to any CAD application or manual drawing. The second edition is fully in line with the requirements of the new British Standard BS8888: 2002, and will help engineers, lecturers and students with the transition to the new standards. BS8888 is fully based on the relevant ISO standards, so this book is also ideal for an international readership. The comprehensive scope of this book encompasses topics including orthographic, isometric and oblique projections, electric and hydraulic diagrams, welding and adhesive symbols, and guidance on tolerancing. Written by a member of the ISO committee and a former college lecturer, the Manual of Engineering Drawing combines up-to-the-minute technical accuracy with clear, readable explanations and numerous diagrams. This approach makes this an ideal student text for vocational courses in engineering drawing and undergraduates studying engineering design / product design. Colin Simmons is a member of the BSI and ISO Draughting Committees and an Engineering Standards Consultant. He was formerly Standards Engineer at Lucas CAV.* Fully in line with the latest ISO Standards* A textbook and reference guide for students and engineers involved in design engineering and product design* Written by a former lecturer and a current member of the relevant standards committees

The Bicycle — Towards a Global History John Wiley & Sons

"An overview of the history, traditions and contemporary links that Canada shares with the monarchy."--Letter from Minister of Canadian Heritage and Official Languages.

Who's Who in Science and Engineering 2011-2012 Peterson Institute

This book contains an edited version of lectures presented at the NATO ADVANCED STUDY INSTITUTE on VIRTUAL NONLINEAR MULTIBODY SYSTEMS which was held in Prague, Czech Republic, from 23 June to 3 July 2002. It was organized by the Department of Mechanics, Faculty of Mechanical Engineering, Czech Technical University in Prague, in cooperation with the Institute B of Mechanics, University of Stuttgart, Germany. The ADVANCED STUDY INSTITUTE addressed the state of the art in multibody dynamics placing special emphasis on nonlinear systems, virtual reality, and control design as required in mechatronics and its corresponding applications. Eighty-six participants from twenty-two countries representing academia, industry, government and research institutions attended the meeting. The high qualification of the participants contributed greatly to the success of the ADVANCED STUDY INSTITUTE in that it promoted the exchange of experience between leading scientists and young scholars, and encouraged discussions to generate new ideas and to define directions of research and future developments. The full program of the ADVANCED STUDY INSTITUTE included also contributed presentations made by participants where different topics were explored, among them: Such topics include: nonholonomic systems; flexible multibody systems; contact, impact and collision; numerical methods of differential-algebraical

equations; simulation approaches; virtual modelling; mechatronic design; control; biomechanics; space structures and vehicle dynamics. These presentations have been reviewed and a selection will be published in this volume, and in special issues of the journals *Multibody System Dynamics* and *Mechanics of Structures and Machines*.

Java Precisely American Mathematical Soc.

This book is based on the Kenneth Kassler endowed lecture delivered by Ito at Princeton University School of Architecture in the spring of 2009. The book is delivered primarily in Ito's voice, through the lecture transcript, which is the focus of the book, and through extended interviews, and a previously untranslated essay from 1980, all of which tie together his ideas of the interface of nature and society through the formal constructs of architecture. The publication is unique in bringing together unpublished visuals of built and un-built projects by Ito, as well as bringing together his theory spanning across his whole career, with commentary by respected scholars Stan Allen and Julian Worrall.

Materials Science and Metallurgy Chronicle Books

This 2004 book contains guidelines for writing consistent C++ code that's easy to understand, enhance and maintain. Perfect for teams.

Structural Fire Engineering Elsevier

CATIA V5-6R2015 for Designers is a comprehensive textbook written with the intention of helping the readers effectively use all solid modeling tools and other features of CATIA V5-6R2015. This textbook provides elaborative and clear explanation of the tools of all commonly used workbenches of CATIA V5-6R2015. After reading this textbook, you will be able to create, assemble, and draft models. The chapter on the DMU Kinematics workbench will enable the users to create, edit, simulate, and analyze different mechanisms dynamically. The chapter on the FreeStyle workbench will enable the users to dynamically design and manipulate surfaces. The textbook explains the concepts through real-world examples and the tutorials used in this textbook ensure that the users can relate the knowledge gained from this textbook with the actual mechanical industry designs. In this edition, a chapter on Generative Shape Design has been added that explains mechanical engineering industry examples.

Crash Proof Springer Science & Business Media

The final volume in this tripartite series on Brain Augmentation is entitled "From Clinical Applications to Ethical Issues and Futuristic Ideas". Many of the articles within this volume deal with translational efforts taking the results of experiments on laboratory animals and applying them to humans. In many cases, these interventions are intended to help people with disabilities in such a way so as to either restore or extend brain function. Traditionally, therapies in brain augmentation have included electrical and pharmacological techniques. In contrast, some of the techniques discussed in this volume add specificity by targeting select neural populations. This approach opens the door to where and how to promote the best interventions. Along the way, results have empowered the medical profession by expanding their understanding of brain function. Articles in this volume relate novel clinical solutions for a host of neurological and psychiatric conditions such as stroke, Parkinson's disease, Huntington's disease, epilepsy, dementia, Alzheimer's disease, autism spectrum disorders (ASD), traumatic brain injury, and disorders of consciousness. In disease, symptoms and signs denote a departure from normal function. Brain augmentation has now been used to target both the core symptoms that provide specificity in the diagnosis of a disease, as well as other constitutional symptoms that may greatly

handicap the individual. The volume provides a report on the use of repetitive transcranial magnetic stimulation (rTMS) in ASD with reported improvements of core deficits (i.e., executive functions). TMS in this regard departs from the present-day trend towards symptomatic treatment that leaves unaltered the root cause of the condition. In diseases, such as schizophrenia, brain augmentation approaches hold promise to avoid lengthy pharmacological interventions that are usually riddled with side effects or those with limiting returns as in the case of Parkinson's disease. Brain stimulation can also be used to treat auditory verbal hallucination, visuospatial (hemispatial) neglect, and pain in patients suffering from multiple sclerosis. The brain acts as a telecommunication transceiver wherein different bandwidth of frequencies (brainwave oscillations) transmit information. Their baseline levels correlate with certain behavioral states. The proper integration of brain oscillations provides for the phenomenon of binding and central coherence. Brain augmentation may foster the normalization of brain oscillations in nervous system disorders. These techniques hold the promise of being applied remotely (under the supervision of medical personnel), thus overcoming the obstacle of travel in order to obtain healthcare. At present, traditional thinking would argue the possibility of synergism among different modalities of brain augmentation as a way of increasing their overall effectiveness and improving therapeutic selectivity. Thinking outside of the box would also provide for the implementation of brain-to-brain interfaces where techniques, proper to artificial intelligence, could allow us to surpass the limits of natural selection or enable communications between several individual brains sharing memories, or even a global brain capable of self-organization. Not all brains are created equal. Brain stimulation studies suggest large individual variability in response that may affect overall recovery/treatment, or modify desired effects of a given intervention. The subject's age, gender, hormonal levels may affect an individual's cortical excitability. In addition, this volume discusses the role of social interactions in the operations of augmenting technologies. Finally, augmenting methods could be applied to modulate consciousness, even though its neural mechanisms are poorly understood. Finally, this volume should be taken as a debate on social, moral and ethical issues on neurotechnologies. Brain enhancement may transform the individual into someone or something else. These techniques bypass the usual routes of accommodation to environmental exigencies that exalted our personal fortitude: learning, exercising, and diet. This will allow humans to preselect desired characteristics and realize consequent rewards without having to overcome adversity through more laborious means. The concern is that humans may be playing God, and the possibility of an expanding gap in social equity where brain enhancements may be selectively available to the wealthier individuals. These issues are discussed by a number of articles in this volume. Also discussed are the relationship between the diminishment and enhancement following the application of brain-augmenting technologies, the problem of "mind control" with BMI technologies, free will the duty to use cognitive enhancers in high-responsibility professions, determining the population of people in need of brain enhancement, informed public policy, cognitive biases, and the hype caused by the development of brain- augmenting approaches.

The Management of Technological Innovation MIT Press

This is the first history of the bicycle to trace not only the technical background to its invention, but also to contrast its social and cultural impact in different parts of the world, and assess its future as a

continuing global phenomenon.