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AISC9A - JACKSON GOOD

This book describes the history of Jordan algebras and describes in full mathematical detail the recent structure theory for Jordan algebras of arbitrary dimension due to Efim Zel'manov. Jordan algebras crop up in many surprising settings, and find application to a variety of mathematical areas. No knowledge is required beyond standard first-year graduate algebra courses.

As radio developed in the early 1920s, the focus for most people was the AM band and stations such as KDKA, the first broadcast station. There was, however, another broadcast method that was popular among many early enthusiasts--shortwave radio. As is true today, the transmission of

news and entertainment programs over shortwave frequencies permitted reception over great distances. For many in America and beyond, shortwave was an exciting aspect of the new medium. Some still tune the shortwave bands to enjoy the programming. Others pursue broadcasts for the thrill of the hunt. This book fully covers shortwave broadcasting from its beginning through World War II. A technical history examining the medium's development and use tells the story of a listener community that spanned the globe. Included are overviews of the primary shortwave stations operating worldwide in the 1930s, along with clubs and competitions, publications and prizes. A rich collection of illustrations includes many QSLs, the cards that

stations sent to acknowledge receipt of their transmissions and that are much prized by long-distance collectors.

Offers more than one thousand entries covering all aspects of African history, civilization, and culture.

The revised edition of this important reference volume presents an expanded overview of the analytical and numerical approaches employed when exploring and developing modern laser materials processing techniques. The book shows how general principles can be used to obtain insight into laser processes, whether derived from fundamental physical theory or from direct observation of experimental results. The book gives readers an understanding

of the strengths and limitations of simple numerical and analytical models that can then be used as the starting-point for more elaborate models of specific practical, theoretical or commercial value. Following an introduction to the mathematical formulation of some relevant classes of physical ideas, the core of the book consists of chapters addressing key applications in detail: cutting, keyhole welding, drilling, arc and hybrid laser-arc welding, hardening, cladding and forming. The second edition includes a new a chapter on glass cutting with lasers, as employed in the display industry. A further addition is a chapter on meta-modelling, whose purpose is to construct fast, simple and reliable models based on appropriate sources of information. It then makes it easy to explore data visually and is a convenient interactive tool for scientists to improve the quality of their models and for developers when designing their processes. As in the first edition, the book ends with an updated introduction to comprehensive numerical simulation. Although the book focuses on laser interactions with materials, many of the principles and methods explored can be applied to thermal modelling in a

variety of different fields and at different power levels. It is aimed principally however at academic and industrial researchers and developers in the field of laser technology.

Econometrics, the application of statistical principles to the quantification of economic models, is a compulsory component of European economics degrees. This text provides an introduction to this complex topic for students who are not outstandingly proficient in mathematics. It does this by providing the student with an analytical and an intuitive understanding of the classical linear regression model. Mathematical notation is kept simple and step-by-step verbal explanations of mathematical proofs are provided to facilitate a full understanding of the subject. The text also contains a large number of practical exercises for students to follow up and practice what they have learnt. Originally published in the USA, this new edition has been substantially updated and revised with the inclusion of new material on specification tests, binary choice models, tobit analysis, sample selection bias, nonstationary time series, and unit root tests and basic cointegration. The new edition is also accom-

panied by a website with Powerpoint slideshows giving a parallel graphical treatment of topics treated in the book, cross-section and time series data sets, manuals for practical exercises, and lecture note extending the text.

★★★ Buy the Paperback Version of This Book and Get the Kindle Book Version for FREE ★★★ If you want to spice up your sex life and learn a lot of simple yet tantalizing sex positions, then get comfortable and keep reading... According to the most recent research in the sexology field... Among American couples, over 50% are dissatisfied or highly dissatisfied with their sex life; Around 37% of them feel that their life would be happier if they had more sexual intercourse; Women are 20% more sensitive to their partner's shortcomings; Almost 50% of them faked an orgasm at least once in their life, keeping the male in the dark; 100% OF THEM FEEL THAT THE ROOT CAUSE OF THEIR SEXUAL DISSATISFACTION IS A LACK OF FUN & VARIETY IN THEIR POSITIONS! As you probably know, this can lead to countless problems in couples. Cheating, crises and ultimately divorces are a daily occurrence in modern society. Luckily, there's a sim-

ple yet effective solution... In Sex Positions you're going to discover: Over 100 beginners' and advanced sex positions. With detailed pictures and accurate descriptions. Having fun with those positions will be a piece of cake, even if you're an absolute beginner with sex; The easiest way for a woman to get satisfaction. All the positions to let her have an orgasm in few minutes and without any stress. She will thank you forever and ask for more sex; How to last more, more and more without any pill. Premature ejaculation will just be a distant memory for males. Lasting more, obviously equals more delight for both partners; The ultimate guide to a better sexual life. All the positions you need to know to start and have fun with your partner. Having sex has never been so easy, even if you're 50+; AND MUCH, MUCH MORE. PLEASE CLICK ON THE BOOK COVER AND LOOK INSIDE THE TABLE OF CONTENTS. YOU'LL BE AMAZED! But maybe you're having some more doubts right now... I'M 50+. I'M NOT SO STRETCHY ANYMORE. AM I TOO OLD FOR THIS BOOK? No! This book does not suggest any fancy Kama Sutra sex positions that requires years and years of training and experience. All the positions dis-

cussed are easy to perform for older couples too. DOES THIS BOOK INCLUDE PICTURES? THERE ARE TONS OF BOOKS ABOUT SEX POSITIONS OUT THERE, BUT WITHOUT ANY PICTURES. THAT SOUNDS WEIRD... Of course! A sex positions book without pictures is a joke and will lead you nowhere. All the positions described in this book have a detailed picture attached to let you perform it in a couple of minutes. IS THIS JUST A THEORETICAL BOOK? I'D LIKE TO HAVE FUN IMMEDIATELY. I NEED IT... You will be able to start having fun with your partner in just 5 mins. Open the book, choose the position you like, look at the picture, read the description and have fun. No theory allowed here. This is not the average sex positions book. This has been crafted on purpose for beginner and advanced couples who want to enjoy the beauty of sex with ease. Having fun with sex has never been so easy. Are you ready to start and change your sex life forever? Scroll up and click the "Buy Now" button!★★★ Buy the Paperback Version of This Book and Get the Kindle Book Version for FREE ★★★

Make the most of R's extensive toolset R

Projects For Dummies offers a unique learn-by-doing approach. You will increase the depth and breadth of your R skillset by completing a wide variety of projects. By using R's graphics, interactive, and machine learning tools, you'll learn to apply R's extensive capabilities in an array of scenarios. The depth of the project experience is unmatched by any other content online or in print. And you just might increase your statistics knowledge along the way, too! R is a free tool, and it's the basis of a huge amount of work in data science. It's taking the place of costly statistical software that sometimes takes a long time to learn. One reason is that you can use just a few R commands to create sophisticated analyses. Another is that easy-to-learn R graphics enable you make the results of those analyses available to a wide audience. This book will help you sharpen your skills by applying them in the context of projects with R, including dashboards, image processing, data reduction, mapping, and more. Appropriate for R users at all levels Helps R programmers plan and complete their own projects Focuses on R functions and packages Shows how to carry out complex analyses by just

entering a few commands. If you're brand new to R or just want to brush up on your skills, *R Projects For Dummies* will help you complete your projects with ease.

Includes the first published detailed description of option exchange operations, the first published treatment using only elementary mathematics and the first step-by-step procedure for implementing the Black-Scholes formula in actual trading.

For twenty years the Council on Economic Priorities has collected and analyzed the social records of American corporations. Now the CEP has compiled the essential source for investors who want to keep their principal with their principles. This guide probes the records of major companies on issues including the environment, education, labor relations, animal testing and involvement in South Africa. Charts, tables, graphs.

Emphasizes the theory of semiconductor optoelectronic devices, demonstrating comparisons between theoretical and experimental results. Presents such important topics as semiconductor heterojunctions and band structure calculations near the band edges for bulk and quantum-well

semiconductors. Details semiconductor lasers including double-heterostructure, stripe-geometry gain-guided semiconductor, distributed feedback and surface-emitting. Systematically investigates high-speed modulation of semiconductor lasers using linear and nonlinear gains. Features new subjects such as the theories on the band structures of strained semiconductors and strained quantum-well lasers. Covers key areas behind the operation of semiconductor lasers, modulators and photodetectors. An Instructor's Manual presenting detailed solutions to all the problems in the book is available from the Wiley editorial department.

This volume is the most authoritative source of information on the living tree ferns. It surveys families, genera, and species that are suitable for the home garden and offers up-to-date taxonomy and detailed descriptions, as well as in-depth coverage of tree fern use and conservation.

"Precalculus is intended for college-level precalculus students. Since precalculus courses vary from one institution to the next, we have attempted to meet the needs of as broad an audience as possible, including all of the content that might be

covered in any particular course. The result is a comprehensive book that covers more ground than an instructor could likely cover in a typical one- or two-semester course; but instructors should find, almost without fail, that the topics they wish to include in their syllabus are covered in the text. Many chapters of OpenStax College Precalculus are suitable for other freshman and sophomore math courses such as College Algebra and Trigonometry; however, instructors of those courses might need to supplement or adjust the material. OpenStax will also be releasing College Algebra and Algebra and trigonometry titles tailored to the particular scope, sequence, and pedagogy of those courses."--Preface.

This book gathers a collection of extended papers based on presentations given during the SimHydro 2017 conference, held in Sophia Antipolis, Nice, France on June 14-16, 2017. It focuses on how to choose the right model in applied hydraulics and considers various aspects, including the modeling and simulation of fast hydraulic transients, 3D modeling, uncertainties and multiphase flows. The book explores both limitations and performance of current

models and presents the latest developments in new numerical schemes, high-performance computing, multiphysics and multiscale methods, and better interaction with field or scale model data. It gathers the latest theoretical and innovative developments in the modeling field and presents some of the most advanced applications on various water related topics like uncertainties, flood simulation and complex hydraulic applications. Given its breadth of coverage, it addresses the needs and interests of practitioners, stakeholders, researchers and engineers alike. Over the past 20 years, software architectures have significantly contributed to the development of complex and distributed systems. Nowadays, it is recognized that one of the critical problems in the design and development of any complex software system is its architecture, i.e. the organization of its architectural elements. Software Architecture presents the software architecture paradigms based on objects, components, services and models, as well as the various architectural techniques and methods, the analysis of architectural qualities, models of representation of architectural templates and styles, their formaliza-

tion, validation and testing and finally the engineering approach in which these consistent and autonomous elements can be tackled.

Extended and revised, Plasma Waves, 2nd Edition provides essential information on basic formulas and categorizes the various possible types of waves and their interactions. The book includes modern and complete treatments of electron cyclotron emission, collisions, relativistic effects, Landau damping, quasilinear and nonlinear wave theory, and tunneling equations. The broad scope encompasses waves in cold, warm, and hot plasmas and relativistic plasma waves. Special chapters deal with the effects of boundaries, inhomogeneities, and nonlinear effects. The author derives all formulae and describes several fundamental wave experiments, allowing for a greater appreciation of the subject.

This text provides a quantitative introduction to general relativity for advanced undergraduate and graduate students.

Islamic culture, which is still vigorous in spite of its great antiquity, set out to develop side by side a vision of the individual and of the universe, a philosophy and an

art of living that can be seen in the impressive remains of its heritage that is an essential part of the whole of humankind's. Halted for a time by adverse historical conditions, this culture none the less found the strength within itself to re-emerge. Its fidelity to its roots does not prevent it from keeping up with the times and participating in contemporary forums and the stirring dialogue of cultures. This series of volumes on the manifold facets of Islamic culture is intended to acquaint a very wide public with such matters as: the theological bases of the faith and principles that constitute the bedrock of the overall structure; the status of the individual and of society in the Islamic world; the expansion of Islam since the Revelation: the Arab, Asian, African and European spheres espousing the new faith and the way in which the rights of converted peoples have been upheld; the vital contribution of Islamic civilization to the adventure of human knowledge in science and technology; the educational and cultural manifestations of Islamic civilization in literature, the visual arts and architecture; finally, Islam today between loyalty to its past and the inescapable conquest of modernity.

The Arab region is in crisis and it is easy to succumb to pessimism about its future. This report, however, embraces a vision of hope: one that illustrates the many ways in which the region can act to ensure its future security and prosperity. It envisages a day when authoritarianism, occupation, foreign domination and all forms of discrimination end. A vision of human development and economic prosperity implies that citizens are free to voice their opinions and practice their beliefs without fear, the rule of law applies equally to all, and the basic necessities for a decent life are affordable even for the least fortunate. It calls for choices to be made in order to lay the foundations of an inclusive society, so as not to slip further into a spiral of deepening violence, instability and recession that would undermine development for generations to come. This report presents a vision of improved governance, advanced social justice and human well-being, transformed economies, and intensified regional integration; in short, an Arab region at peace, stable and prosperous.

Sheds light upon ancient Egyptian burial

customs and beliefs pertaining to life after death

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Having fun with those positions will be a piece of cake, even if you're an absolute beginner with sex; The easiest way for a woman to get satisfaction. All the positions to let her have an orgasm in few minutes and without any stress. She will thank you forever and ask for more sex; How to last more, more and more without any pill. Premature ejaculation will just be a distant memory for males. Lasting more, obviously equals more delight for both partners; The ultimate guide to a better sexual life. All the positions you need to know to start and have fun with your partner. Having sex has never been so easy, even if you're 50+; AND MUCH, MUCH MORE. PLEASE CLICK ON THE BOOK COVER AND LOOK INSIDE THE TABLE OF CONTENTS. YOU'LL BE AMAZED! But maybe you're having some more doubts right now... I'M 50+. I'M NOT SO STRETCHY ANYMORE. AM I TOO OLD FOR THIS BOOK? No! This book does not suggest any fancy Kama Sutra sex positions that requires years and years of training and experience. All the positions discussed are easy to perform for older couples too. DOES THIS BOOK INCLUDE PICTURES? THERE ARE TONS OF BOOKS ABOUT SEX POSITIONS OUT THERE, BUT

WITHOUT ANY PICTURES. THAT SOUNDS WEIRD... Of course! A sex positions book without pictures is a joke and will lead you nowhere. All the positions described in this book have a detailed picture attached to let you perform it in a couple of minutes. IS THIS JUST A THEORETICAL BOOK? I'D LIKE TO HAVE FUN IMMEDIATELY. I NEED IT... You will be able to start having fun with your partner in just 5 mins. Open the book, choose the position you like, look at the picture, read the description and have fun. No theory allowed here. This is not the average sex positions book. This has been crafted on purpose for beginner couples who want to enjoy the beauty of sex with ease. Having fun with sex has never been so easy. Are you ready to start and change

your sex life forever? Scroll up and click the "Buy Now" button!★★★ Buy the Paperback Version of This Book and Get the Kindle Book Version for FREE ★★★

“This book makes extensive use of worked numerical examples to demonstrate the methods of calculating the capacities of structural elements. These examples have been extensively revised from the previous edition, with further examples added. The worked examples are cross-referenced to the relevant clauses in AS 4100: 1998.”--BOOK JACKET.

Scheduling and multicriteria optimisation theory have been subject, separately, to numerous studies. Since the last twenty years, multicriteria scheduling problems have been subject to a growing interest. However, a gap between multicriteria sche-

duling approaches and multicriteria optimisation field exists. This book is an attempt to collect the elementary of multicriteria optimisation theory and the basic models and algorithms of multicriteria scheduling. It is composed of numerous illustrations, algorithms and examples which may help the reader in understanding the presented concepts. This book covers general concepts such as Pareto optimality, complexity theory, and general method for multicriteria optimisation, as well as dedicated scheduling problems and algorithms: just-in-time scheduling, flexibility and robustness, single machine problems, parallel machine problems, shop problems, etc. The second edition contains revisions and new material.