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Charged Particle Cross Sections Pearson IT Certification
This volume deals with the cuneiform tablets discovered by Sir Leonard Woolley in his excavation at Atshana, as interpreted by D.J.Wiseman, Assistant Keeper in the Department of Egyptian and Assyrian Antiquities of the British Museum. The book forms an appropriate companion to No. 1 of this series, The State of Idrimi, by Professor Sidney Smith, which was published in 1949.

Sears & Zemansky's College Physics
Springer Science & Business Media
Study & Master Physical Sciences Grade 12 has been especially developed by an experienced author team for the Curriculum and Assessment Policy Statement (CAPS). This new and easy-to-use course helps learners to master essential content and skills in Physical Sciences.

The Sultantepe Tablets I
Elsevier Health Sciences

Use Java 9 and JavaFX 9 to write 3D games for the latest consumer electronics devices. Written by open source gaming expert Wallace Jackson, this book uses Java 9 and NetBeans 9 to add leading-edge features, such as 3D, textures, animation, digital audio, and digital image compositing to your games. Along the way you'll learn about game design, including game design concepts, genres, engines, and UI design techniques. To completely master Java 3D game creation, you will combine this knowledge with a number of JavaFX 9 topics, such as scene graph hierarchy; 3D scene configuration; 3D model design and primitives; model shader creation; and 3D game animation creation. With these skills you will be able to take your 3D Java games to the next level. The final section

of Pro Java 9 Games Development puts the final polish on your abilities. You'll see how to add AI logic for random content selection methods; harness a professional scoring engine; and player-proof your event handling. After reading Pro Java 9 Games Development, you will come away with enough 3D expertise to design, develop, and build your own professional Java 9 games, using JavaFX 9 and the latest new media assets. What You'll Learn Design and build professional 3D Java 9 games, using NetBeans 9, Java 9, and JavaFX 9 Integrate new media assets, such as digital imagery and digital audio Integrate the new JavaFX 9 multimedia engine API Create an interactive 3D board game, modeled, textured, and animated using JavaFX Optimize game assets for distribution, and learn how to use the Java 9 module system Who This Book Is For Experienced Java developers who may have some prior game development experience. This book can be for experienced game developers new to Java programming.

Learning ASP.NET Core 3.0 -Second Edition American Mathematical Soc. This text provides a teachable and readable approach to transport phenomena (momentum, heat, and mass transport) by providing numerous examples and applications, which are particularly important to metallurgical, ceramic, and materials engineers. Because the authors feel that it is important for students and practicing engineers to visualize the physical situations, they have attempted to lead the reader through the development and solution of the relevant differential equations by applying the familiar principles of conservation to numerous situations and by including many worked examples in each chapter. The book is organized in a manner characteristic of other texts in transport phenomena. Section I deals with the properties and mechanics of fluid motion; Section II with thermal properties and heat transfer; and Section III with diffusion and mass transfer. The authors depart from tradition by building on a presumed understanding of the relationships between the structure and properties of matter, particularly in the chapters devoted to the transport properties (viscosity, thermal conductivity, and the diffusion coefficients). In addition, generous portions of the text, numerous examples, and many problems at the ends of the chapters apply transport phenomena to materials processing.

CompTIA Advanced Security Practitioner (CASP) CAS-003 Cert Guide Cengage Learning This is the eBook version of the print title. Note that the eBook may not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CompTIA Advanced Security Practitioner (CASP) CAS-003 exam success with this CompTIA Approved Cert Guide from

Pearson IT Certification, a leader in IT Certification learning and a CompTIA Authorized Platinum Partner. Master CompTIA Advanced Security Practitioner (CASP) CAS-003 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks CompTIA Advanced Security Practitioner (CASP) CAS-003 Cert Guide is a best-of-breed exam study guide. Leading security certification training experts Robin Abernathy and Troy McMillan share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this CompTIA approved study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time, including: Enterprise security Risk management and incident response Research, analysis, and assessment Integration of computing, communications, and business disciplines Technical integration of enterprise components

Medical Secrets E-Book World Scientific Publishing Company Incorporated

For more than 30 years, the highly regarded Secrets Series® has provided students and practitioners in all areas of health care with concise, focused, and engaging resources for quick reference and exam review. Medical Secrets, 6th Edition, features the Secrets' popular question-and-answer format that also includes lists, tables, pearls, memory aids, and an easy-to-read style – making inquiry, reference, and review quick, easy, and enjoyable. The proven Secrets Series® format gives you the most return for your time – succinct, easy to read, engaging, and highly effective. Coverage includes the full range of essential topics in medicine for in-training and practicing professionals, authored by a diverse range of teachers and clinicians who cover both medical and ethical issues. Fully revised and updated throughout, including protocols and guidelines that are continuously evolving and that increasingly dictate best practices. Top 100 Secrets and Key Points boxes provide a fast overview of the secrets you must know for success in practice and on exams.

Neutrino Mixing Addison Wesley Publishing Company

A textbook that incorporates the latest methods used for the analysis of spacecraft orbital, attitude, and structural dynamics and control. Spacecraft dynamics is treated as a dynamic system with emphasis on practical applications, typical examples of which are the analysis and redesign of the pointing control system of the Hubble Space Telescope and the analysis of an active vibrations control for the COFS (Control of Flexible Structures) Mast Flight System. In addition to the three subjects mentioned above, dynamic systems modeling, analysis, and control are also discussed. Annotation copyrighted by Book News, Inc., Portland, OR

Nuclear Fusion Penguin

This book describes how a confused decision maker, who wishes to make a reasonable and responsible choice among alternatives, can systematically probe their thoughts and feelings in order to make the critically important trade-offs between incommensurable objectives.

The Shemshīra Archives Pearson Higher Ed

Almost 50 years have passed since the famous papers of Hugo Rietveld from the late sixties where he describes a method for the refinement of crystal structures from neutron powder diffraction data. Soon after, the potential of the method for laboratory X-ray powder diffraction was discovered. Although the method is now widely accepted, there are still many pitfalls in the theoretical understanding and in practical daily use. This book closes the gap with a theoretical introduction for each chapter followed by a practical approach.The flexible macro type language of the Topas Rietveld software can be considered as the defacto standard.

Decisions with Multiple Objectives American Mathematical Soc.

For courses in College Physics. Bringing the best of physics education research to a trusted and classic text For more than five decades, Sears and Zemansky's College Physics has provided the most reliable foundation of physics education for students around the world. New coauthors Phil Adams and Ray Chastain thoroughly revised the 10th Edition by incorporating the latest methods from educational research. New features help students develop greater confidence in solving problems, deepen conceptual understanding, and strengthen quantitative-reasoning skills, while helping them connect what they learn with their other courses and the changing world around them. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.

Righting Software Independently Published This book presents a substantial part of matrix analysis that is functional analytic in spirit. Topics covered include the theory of majorization, variational principles for eigenvalues, operator monotone and convex functions, and perturbation of matrix functions and matrix inequalities. The book offers several powerful methods and techniques of wide applicability, and it discusses connections with other areas of mathematics.

The Alalakh Tablets Springer Science & Business Media

This CIGRE Green book on accessories for HV and EHV extruded cables covers relevant issues in cable system design, cable design, submarine cables including off shore generation connection. It provides comprehensive and unbiased information, essential recommendations and guidelines for design, installation, testing and maintenance of accessories to professionals through the exceptional expertise of the authors. This publication is divided in two Volumes covering land and submarine applications, HVAC and HVDC systems, transitions from lapped cable systems to extruded cable systems, from OHL to UG cables and from cables to substations. It equips the reader with recommendations for testing, installation, maintenance, remaining life management. This Volume is dedicated to Components while Volume 2 deals with Land and Submarine AC/DC Applications. The book compiles the results of the work achieved by several Working Groups and Task Forces of CIGRE Study Committee 21/B1, and Joint Working Groups and Joint Task Forces with other Study Committees. Many experts from Study Committees 21/B1 (Insulated Cables), 15/D1 (Materials and Emerging Test Techniques), 33/B3 (Substations), C3 (System Environmental Performance) and C4 (System Technical Performance) have participated in this work in the last 30 years in order to offer comprehensive, continuous and consistent outputs.

Hadamard's Plane Geometry British Institute at

Ankara

A beginner's guide to building fully functioning web applications from scratch using the latest features of ASP.NET Core 3 and C# 8 Key Features Get to grips with the new features and APIs in ASP.NET Core 3, EF Core 3, and Blazor Create web APIs that integrate your applications with other systems and services Learn to deploy your web applications in new environments such as the cloud and Docker containers Book Description ASP.NET Core is an open source framework from Microsoft that makes it easy to build highly efficient and dynamic cross-platform web applications. Updated for the latest features of ASP.NET Core 3, this second edition will equip you with the skills you need to build powerful web applications. The book starts with an introduction to ASP.NET Core and its features, giving you a complete understanding of the framework. You will also learn how to set up your development environment with Visual Studio 2019 and build a fully functioning application from scratch. You'll then understand core concepts for building web applications such as Model View Controller (MVC), dependency injection, and WebSockets. As you advance, you'll discover how to use Entity Framework Core 3 to automate all database-related activities for your application. You will then build and document secure web APIs using security best practices to protect your web applications from threats and vulnerabilities. Finally, you will learn how to use Azure DevOps as a CI/CD tool to deploy and monitor your applications using Microsoft Azure, Amazon Web Services (AWS), and Docker. By the end of this book, you'll have the skills you need to develop efficient and robust web applications in ASP.NET Core 3. What you will learn Delve into basic and advanced ASP.NET Core 3 concepts with the help of examples Build an MVC web application and use Entity Framework Core 3 to access data Add web APIs to your web applications using RPC, REST, and HATEOAS Create a fully automated continuous integration and continuous delivery (CI/CD) pipeline using Azure DevOps Use Azure, Amazon Web Services, and Docker to deploy and monitor your applications Secure your web application from common attacks such as Cross-Site Scripting and SQL injection Explore client-side development using C# Razor components Who this book is for This book is for developers who want to build modern web applications with ASP.NET Core. The book will also be helpful for anyone working in infrastructure engineering and operations to monitor and diagnose problems during the runtime of ASP.NET Core 3.0 web applications. Although no prior understanding of ASP.NET or .NET Core is required, basic C# programming knowledge is assumed.

Matrix Analysis Manning Publications
This 62nd Birthday Journal / Diary / Notebook makes an awesome unique Hedgehog lovers pun birthday card / greeting card idea as a present! This journal is 6 x 9 inches in size with 110 blank lined pages with a wood background theme for writing down thoughts, notes, ideas, or even sketching.

Calculus: Early Transcendental Functions, 5e
Springer Science & Business Media
This study of two domestic neighbourhoods at Nippur, TA and TB, correlates information from texts found in these houses with architectural modifications to the buildings, and considers the socio-economic circumstances of the occupants. The chapters following Stone's reconstructions of the houses include descriptions of the artifacts and general conclusions. Then follow lengthy appendices of object catalogues, text copies and lists of personal names found in the texts, and plates of architectural plans.

Process Systems Analysis and Control John Wiley & Sons
Jacques Hadamard, among the greatest mathematicians of the twentieth century, made signal contributions to a number of fields. But his mind could not be confined to the upper reaches of mathematical thought. He also produced a massive two-volume work, on plane and solid geometry, for pre-

college teachers in the French school system. In those books, Hadamard's style invites participation. His exposition is minimal, providing only the results necessary to support the solution of the many elegant problems he poses afterwards. That is, the problems interpret the text in the way that harmony interprets melody in a well-composed piece of music. The present volume offers solutions to the problems in the first part of Hadamard's work (Lessons in Geometry. I. Plane Geometry, Jacques Hadamard, Amer. Math. Soc. (2008)), and can be viewed as a reader's companion to that book. It requires of the reader only the background of high school plane geometry, which Lessons in Geometry provides. The solutions strive to connect the general methods given in the text with intuitions that are natural to the subject, giving as much motivation as possible as well as rigorous and formal solutions. Ideas for further exploration are often suggested, as well as hints for classroom use. This book will be of interest to high school teachers, gifted high school students, college students, and those mathematics majors interested in geometry.

Rietveld Refinement Walter de Gruyter GmbH & Co KG

The pursuit of nuclear fusion as an energy source requires a broad knowledge of several disciplines. These include plasma physics, atomic physics, electromagnetics, materials science, computational modeling, superconducting magnet technology, accelerators, lasers, and health physics. Nuclear Fusion distills and combines these disparate subjects to create a concise and coherent foundation to both fusion science and technology. It examines all aspects of physics and technology underlying the major magnetic and inertial confinement approaches to developing nuclear fusion energy. It further chronicles latest developments in the field, and reflects the multi-faceted nature of fusion research, preparing advanced undergraduate and graduate students in physics and engineering to launch into successful and diverse fusion-related research. Nuclear Fusion reflects Dr. Morse's research in both magnetic and inertial confinement fusion, working with the world's top laboratories, and embodies his extensive thirty-five year career in teaching three courses in fusion plasma physics and fusion technology at University of California, Berkeley.

Expanding the Frontiers of Visual Analytics and Visualization Springer

Fully-updated Third Edition of the leading study resource for PDMA's New Product Development Professional certification exam The newly revised and updated Third Edition of PDMA Body of Knowledge (BoK) provides a singular reference for anyone currently involved in, or planning a career in product management and product innovation. It describes a proven framework for product innovation which is applicable to a wide cross-section of product and service industries at various levels of an organization. It is also the basis for candidates studying for PDMA's New Product Development Professional (NPDP) certification examination. The guide is divided into seven chapters, consistent with the seven product innovation topics used as a basis for the NPDP examination: management, strategy, portfolio, process, design and development, market research, and culture & teams. PDMA Body of Knowledge includes detailed coverage of topics including: The key factors that lead to successful product innovation management. The importance of strategy to product innovation success, hierarchy of strategies, and establishing the organization's direction via vision, mission, values, and more. The role of portfolio management in selection of the right product innovation projects for an organization. Description of various product innovation processes and the pros and cons of each. The application of tools and techniques at various stages of the design and development process. The application of market research throughout product innovation. The importance of the right culture and team development. The material provided can be applied to the full range of product development projects included in most company portfolios, such as new products or services, line extensions, cost reductions,

and product or service improvements. This newly revised and updated Third Edition includes new case studies, examples, and chapter exercises, along with sample NPDP examination questions. PDMA Body of Knowledge is an essential study resource for those studying for PDMA's NPDP exam. The text is also highly valuable to product management professionals, consultants, instructors, and students seeking to increase their knowledge base

Systems Analysis and Design CRC Press Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Space Vehicle Dynamics and Control Kgl. Danske Videnskabernes Selskab

Here is unique and comprehensive coverage of modern seismic instrumentation, based on the authors' practical experience of a quarter-century in seismology and geophysics. Their goal is to provide not only detailed information on the basics of seismic instruments but also to survey equipment on the market, blending this with only the amount of theory needed to understand the basic principles. Seismologists and technicians working with seismological instruments will find here the answers to their practical problems. Instrumentation in Earthquake Seismology is written to be understandable to the broad range of professionals working with seismological instruments and seismic data, whether students, engineers or seismologists. Whether installing seismic stations, networks and arrays, working and calibrating stationary or portable instruments, dealing with response information, or teaching about seismic instruments, professionals and academics now have a practical and authoritative sourcebook. Includes: SEISAN and SEISLOG software systems that are available from http://extras.springer.com and http://www.geo.uib.no/seismo/software/softw are.html