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[Rock Fractures and Fluid Flow](#) World Health Organization

Covers the structure and role of intermediate filament (IF) proteins in a variety of cell types. The text examines the expression of IF proteins, the hierarchical assembly of those proteins into molecules, oligomers, protofilaments, protofibrils and intact IF.

[Elements of System-dynamics Simulation](#) Routledge

INTERMEDIATE MICROECONOMICS offers an exceptionally clear and concise introduction to the economic study of markets, focuses on managerial and algebraic approaches, includes relevant applications and strong examples, and gives you activities that allow you to learn by doing. Your purchase includes two time-saving resources: access to InfoTrac College Edition's online university library and online study tools through Economic Applications! With Economic Applications, you'll have online access to study guides and review materials that will help you succeed in the course. And with InfoTrac College Edition, you'll save time, save money--and eliminate the trek to the library. Log in and access a library of more than 5,000 academic and popular magazines, newspapers, and journals.

[The Physics and Engineering of Solid State Lasers](#) JP Medical Ltd

This book provides an overview on current sustainable machining. Its chapters cover the concept in economic, social and environmental dimensions. It provides the reader with proper ways to handle several pollutants produced during the machining process. The book is useful on both undergraduate and postgraduate levels and it is of interest to all those working with manufacturing and machining technology.

[Mechanical Catalog](#) IBM Redbooks

Advancements in microprocessor architecture, interconnection technology, and software development have fueled rapid growth in parallel and distributed computing. However, this development is only of practical benefit if it is accompanied by progress in the design, analysis and programming of parallel algorithms. This concise textbook provides, in one place, three mainstream parallelization approaches, Open MPP, MPI and OpenCL, for multicore computers, interconnected computers and graphical processing units. An overview of practical parallel computing and principles will enable the reader to design efficient parallel programs for solving various computational problems on state-of-the-art personal computers and computing clusters. Topics covered range from parallel algorithms, programming tools, OpenMP, MPI and OpenCL, followed by experimental measurements of parallel programs' run-times, and by engineering analysis of obtained results for improved parallel execution performances. Many examples and exercises support the exposition.

[Elements of the System Dynamics Method](#) Springer

Advances in Battery Technologies for Electric Vehicles provides an in-depth look into the research being conducted on the development of more efficient batteries capable of long distance travel. The text contains an introductory section on the market for battery and hybrid electric vehicles, then thoroughly presents the latest on lithium-ion battery technology. Readers will find sections on battery pack design and management, a discussion of the infrastructure required for the creation of a battery powered transport network, and coverage of the issues involved with end-of-life management for these types of batteries. - Provides an in-depth look into new research on the development of more efficient, long distance travel batteries - Contains an introductory section on the market for battery and hybrid electric vehicles - Discusses battery pack design and management and the issues involved with end-of-life management for these types of batteries

[Catalogue](#) Government Printing Office

The popularity of the Internet and the affordability of IT hardware and software have resulted in an explosion of applications, architectures, and platforms. Workloads have changed. Many applications, including mission-critical ones, are deployed on various platforms, and the IBM® System z® design has adapted to this change. It takes into account a wide range of factors, including compatibility and investment protection, to match the IT requirements of an enterprise. This IBM Redbooks® publication addresses the new IBM zEnterprise® System.

This system consists of the IBM zEnterprise EC12 (zEC12), an updated IBM zEnterprise Unified Resource Manager, and the IBM zEnterprise BladeCenter® Extension (zBX) Model 003. The zEC12 is designed with improved scalability, performance, security, resiliency, availability, and virtualization. The superscalar design allows the zEC12 to deliver a record level of capacity over the prior System z servers. It is powered by 120 of the world's most powerful microprocessors.

These microprocessors run at 5.5 GHz and are capable of running more than 75,000 millions of instructions per second (MIPS). The zEC12 Model HA1 is estimated to provide up to 50% more total system capacity than the IBM zEnterprise 196 (z196) Model M80. The zBX Model 003 infrastructure works with the zEC12 to enhance System z virtualization and management. It does so through an integrated hardware platform that spans mainframe, IBM POWER7®, and IBM System x® technologies. Through the Unified Resource Manager, the zEnterprise System is managed as a single pool of resources, integrating system and workload management across the environment. This book provides information about the zEnterprise System and its functions, features, and associated software support. Greater detail is offered in areas relevant to technical planning. It is intended for systems engineers, consultants, planners, and anyone who wants to understand the zEnterprise System functions and plan for their usage. It is not intended as an introduction to mainframes. Readers are expected to be generally familiar with existing IBM System z® technology and terminology.

[Compass American Guides: Cape Cod, 1st Edition](#) John Wiley & Sons

The x-ray computed tomography (CT) is well known as a useful imaging method and thus CT images have continually been used for many applications, especially in medical fields. This book discloses recent advances and new ideas in theories and applications for CT imaging and its analysis. The 16 chapters selected in this book cover not only the major topics of CT imaging and analysis in medical fields, but also some advanced applications for forensic and industrial purposes. These chapters propose state-of-the-art approaches and cutting-edge research results.

[Sustainable Machining](#) Bloomsbury Publishing USA

Written with the second-year engineering students of undergraduate level in mind, this well set out textbook explains the fundamentals of Fluid Mechanics. Written in question-answer form, the book is precise and easy to understand. The book presents an e

[Attorney General's Manual on the Administrative Procedure Act](#) Woodhead Publishing

Corporate warfare. Human augmentation. Find out if Jason Hunt can beat the impossible odds in this high-octane science-fiction thriller. There's a corporate cabal that wants to rule the world. Some might say it has been doing it already for decades by whatever means necessary. But they are no longer content to hide in the shadows. They want to become true masters. Jason Hunt knows nothing about that world. But when his wife becomes ill, he finds himself pitted against the cabal that might hold the key to her survival. To save her, he needs to embrace technology he doesn't understand, take over a billion-dollar company without a billion dollars, outsmart professional assassins, and land a contract with the DOD. But even that might not be enough. THE BLUEPRINT is the first book in the internationally best-selling UPGRADE series, set in a dark, near-future world that will appeal to fans of Michael Crichton, Robert Ludlum, and William Gibson.

[Fundamentals of Fluid Mechanics](#) BoD – Books on Demand

Explains the mutual influences between the physical and dynamic processes in solids and their lasing properties.

This book provides insight into the physics and engineering of solid state lasers by integrating information from several disciplines, including solid state physics, materials science, photophysics, and dynamic processes in solids. State and Crafts in the Qing Dynasty (1644-1911) IBM Redbooks

This book is a comprehensive guide to retina and vitreous surgery for practising ophthalmic surgeons. Each procedure is presented in a step by step format with discussion on theoretical background, retina pathophysiology, clinical signs and symptoms, investigations, differential diagnosis, and practical surgical steps with case discussions and numerous intraoperative photographs and surgical diagrams. The book is accompanied by ten DVD ROMs demonstrating 158 surgical procedures, and edited by internationally recognised ophthalmic specialists. Key Points Comprehensive guide to retina and vitreous surgery for ophthalmic surgeons Procedures presented in step by step format Book accompanied by ten DVD ROMs demonstrating 158 surgical procedures Highly illustrated with nearly 800 clinical photographs, diagrams and figures

[Medusae of the World](#) Social Histories of Work in As

Pregnant and secretly married, Cheryl Anway scribbles what becomes her last will and testament on a school binder shortly before a rampaging trio of misfit classmates gun her down in a high school cafeteria. Overrun with paranoia, teenage angst, and religious zeal in the massacre's wake, this sleepy suburban neighborhood declares its saints, brands its demons, and moves on. But for a handful of people still reeling from that horrific day, life remains permanently derailed. Four dramatically different characters tell their stories: Cheryl, who calmly narrates her own death; Jason, the boy no one knew was her husband, still marooned ten years later by his loss; Heather, the woman trying to love the shattered Jason; and Jason's father, Reg, whose rigid religiosity has separated him from nearly everyone he loves. Hey Nostradamus! is an unforgettable portrait of people wrestling with spirituality and with sorrow and its acceptance.

[Retina & Vitreous Surgery](#) National Academies Press

Diagnostics, or fault finding, is a fundamental part of an automotive technician's work, and as automotive systems become increasingly complex there is a greater need for good diagnostic skills. Advanced Automotive Fault Diagnosis is the only book to treat automotive diagnostics as a science rather than a check-list procedure. Each chapter includes basic principles and examples of a vehicle system followed by the appropriate diagnostic techniques, complete with useful diagrams, flow charts, case studies and self-assessment questions. The book will help new students develop diagnostic skills and help experienced technicians improve even further. This new edition is fully updated to the latest technological developments. Two new chapters have been added – On-board diagnostics and Oscilloscope diagnostics – and the coverage has been matched to the latest curricula of motor vehicle qualifications, including: IMI and C&G Technical Certificates and NVQs; Level 4 diagnostic units; BTEC National and Higher National qualifications from Edexcel; International Motor Vehicle qualifications such as C&G 3905; and ASE certification in the USA.

[Introduction to Parallel Computing](#) McGraw-Hill/Appleton & Lange

The intention has been to introduce the concepts and methods of uranium exploration geochemistry in sufficient detail so that the user may make effective use of the techniques.

[Global Tuberculosis Report 2017](#) Pascal Press

Scientific understanding of fluid flow in rock fractures--a process underlying contemporary earth science problems from the search for petroleum to the controversy over nuclear waste storage--has grown significantly in the past 20 years. This volume presents a comprehensive report on the state of the field, with an interdisciplinary viewpoint, case studies of fracture sites, illustrations, conclusions, and research recommendations. The book addresses these questions: How can fractures that are significant hydraulic conductors be identified, located, and characterized? How do flow and transport occur in fracture systems? How can changes in fracture systems be predicted and controlled? Among other topics, the committee provides a geomechanical understanding of fracture formation, reviews methods for detecting subsurface fractures, and looks at the use of hydraulic and tracer tests to investigate fluid flow. The volume examines the state of conceptual and mathematical modeling, and it provides a useful framework for understanding the complexity of fracture changes that occur during fluid pumping and other engineering practices. With a practical and multidisciplinary outlook, this volume will be welcomed by geologists, petroleum geologists, geoengineers, geophysicists, hydrologists, researchers, educators and students in these fields, and public officials involved in geological projects.

[Intermediate Filament Structure](#) South Western Educational Publishing

NEW BOOK! There's more to the Cape than the beach, and this new illustrated guide showcases the breadth and depth of this popular part of Massachusetts.

[Dressing for Altitude](#) Springer

This book, full of quantitative evidence and limited-circulation archives, details manufacturing and the beginnings of industrialisation in China from 1644 to 1911. It thoroughly examines the interior organisation of public craft production and the complementary activities of the private sector. It offers detailed knowledge of shipbuilding and printing. Moreover, it contributes to the research of labour history and the rise of capitalism in

China through its examination of living conditions, working conditions, and wages.

New Elementary Algebra BoD – Books on Demand

The third edition of this volume focuses on experimental models that are useful for investigating various aspects of cytoskeleton structure and function. Animal, plant, protist, and fungal models highlight twenty-four chapters that provide detailed protocols for live and fixed-cell imaging, dynamics of cytoskeleton components, cell and organelle motility, and genetics and proteomics. Written in the highly successful Methods in Molecular Biology series format, protocols in each chapter are up-to-date menus organized in a useful step-by-step format appropriate for novice and established investigators. Each chapter is equipped with a valuable notes section that provides a troubleshooting guide and helpful, and often unpublished, technical information aimed at ensuring success with implementation of the protocols. Authoritative and thorough, Cytoskeleton Methods and Protocols, Third Edition helps researchers expand their understanding of cytoskeleton structure and function.

Electronic Counting Circuits Compass America Guides

"Since its earliest days, flight has been about pushing the limits of technology and, in many cases, pushing the limits of human endurance. The human body can be the limiting factor in the design of aircraft and spacecraft. Humans cannot survive unaided at high altitudes. There have been a number of books written on the subject of spacesuits, but the literature on the high-altitude pressure suits is lacking. This volume provides a high-level summary of the technological development and operational use of partial- and full-pressure suits, from the earliest models to the current high altitude, full-pressure suits used for modern aviation, as well as those that were used for launch and entry on the Space Shuttle. The goal of this work is to provide a resource on the technology for suits designed to keep humans alive at the edge of space."--NTRS Web site.

Scientific and Technical Aerospace Reports Research & Education Assoc.

This book assumes that the reader does not have much knowledge of mathematics. Therefore, the essentials of the necessary mathematics is gradually introduced. It emphasizes the practical applications of the system-dynamics concept by providing working problems and solutions. Experience shows that the concepts and principles of system-dynamics are fairly easy to learn but are difficult to convert into the language of system-dynamics. Examples and problems are taken from different disciplines like physics, chemistry, process control, biology, ecology, hydrology, environmental health science, economics, social science etc. The problems are so treated that readers from other disciplines can solve them with system-dynamics. The advantage of this approach is that the reader becomes aware of the way problems from various disciplines can be described and explained analogously. This is important for an interdisciplinary approach to the problems.