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This easy-to-use guide covers troubleshooting tips and tricks for Mac hardware and software, written by the well-known Macworld columnist and Macintosh guru Chris Breen. The book contains troubleshooting tips and techniques for both Mac OS 9 and OS X, and additional projects for making a Macintosh more productive-sharing files, making Mac OS X work more like Mac OS 9, and more. This text brings together multidisciplinary research and review papers on the Lower Palaeozoic geology of the Sierras Pampeanas and the Precordillera of central west Argentina. It deals with

the final stages of assembly of the supercontinent of Gondwana and its tectonic interaction with Laurentia (the North American continent of today). PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology. PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology. Interest in bulk amorphous alloys has increased rapidly throughout the world and these materials have now gained a position of great importance in basic science and engineering materials technology. Bulk amorphous alloys based upon the Zr-Al-Ni-Cu, Zr-(Ti,Nb)-Al-Ni-Cu and Zr-Ti-Ni-Cu-Be systems have already achieved wide commercial success as components of various tehnical accessories ranging from sporting goods to optical instruments. Here is a state-of-the art review on this new group of materials, covering all areas of interest, ranging from the synthesis of these special alloys and their fundamental properties, to their engineering characteristics and applications. This work will therefore be of equal interest to those who wish to become fully acquainted with the subject, and to those who are already actively engaged in the field. The gap between introductory level textbooks and highly specialized monographs is filled by this modern textbook. It provides in one comprehensive volume the in-depth theoretical background for molecular modeling and detailed descriptions of the applications in chemistry and related fields like drug design, molecular sciences, biomedical, polymer and materials engineering. Special chapters on basic mathematics and the use of respective software tools are included. Numerous numerical examples, exercises and explanatory illustrations as well as a web site with application tools (http://www.amrita.edu/cen/ccmm) support the students and lecturers. As Directors of this NATO Workshop, we welcome

this opportunity to record formally our thanks to the NATO Scientific Affairs Division for making our meeting possible through generous financial support and encouragement. This meeting has two purposes: the first obvious one because we have collected scientists from East, far East and west to discuss new development in the field of fracture mechanics: the notch fracture mechanics. The second is less obvious but perhaps in longer term more important that is the building of bridges between scientists in the frame of a network called Without Walls Institute on Notch Effects in Fatigue and Fracture". Physical perception of notch effects is not so easy to understand as the presence of a geometrical discontinuity as a worst effect than the simple reduction of cross section. Notch effects in fatigue and fracture is characterised by the following fundamental fact: it is not the maximum local stress or stress which governs the phenomena of fatigue and fracture. The physic shows that a process volume is needed probably to store the necessary energy for starting and propagating the phenomenon. This is a rupture of the traditional "strength of material" school which always give the prior importance of the local maximum stress. This concept of process volume was strongly affirmed during this workshop. Unique DVD/book combo explores the Mac as a digital lifestyle hub. This bestseller has been fully updated to cover the latest version - iLife 05. PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology. Fundamental Biomaterials: Metals provides current information on the development of metals and their conversion from base materials to medical devices. Chapters analyze the properties of metals and discuss a range of biomedical applications, with a focus on orthopedics. While the book will be of great use to researchers and professionals in the development stages of design for more appropriate target materials, it will also help medical researchers understand, and more effectively communicate, the

requirements for a specific application. With the recent introduction of a number of interdisciplinary bio-related undergraduate and graduate programs, this book will be an appropriate reference volume for students. It represents the second volume in a three volume set, each of which reviews the most important and commonly used classes of biomaterials, providing comprehensive information on materials properties, behavior, biocompatibility and applications. Provides current information on metals and their conversion from base materials to medical devices Includes analyses of types of metals, discussion of a range of biomedical applications, and essential information on corrosion, degradation and wear and lifetime prediction of metal biomaterials Explores both theoretical and practical aspects of metals in biomaterials This handbook provides comprehensive treatment of the current state of glass science from the leading experts in the field. Opening with an enlightening contribution on the history of glass, the volume is then divided into eight parts. The first part covers fundamental properties, from the current understanding of the thermodynamics of the amorphous state, kinetics, and linear and nonlinear optical properties through colors, photosensitivity, and chemical durability. The second part provides dedicated chapters on each individual glass type, covering traditional systems like silicates and other oxide systems, as well as novel hybrid amorphous materials and spin glasses. The third part features detailed descriptions of modern characterization techniques for understanding this complex state of matter. The fourth part covers modeling, from first-principles calculations through molecular dynamics simulations, and statistical modeling. The fifth part presents a range of laboratory and industrial glass processing methods. The remaining parts cover a wide and representative range of applications areas from optics and photonics through environment, energy, architecture, and sensing. Written by the leading international experts in the field, the Springer Handbook of Glass represents an invaluable resource for graduate students through academic and

industry researchers working in photonics, optoelectronics, materials science, energy, architecture, and more. PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology. While containers, microservices, and distributed systems dominate discussions in the tech world, the majority of applications in use today still run monolithic architectures that follow traditional development processes. This practical book helps developers examine long-established Java-based models and demonstrates how to bring these monolithic applications successfully into the future. Relying on their years of experience modernizing applications, authors Markus Eisele and Natale Vinto walk you through the steps necessary to update your organization's Java applications. You'll discover how to dismantle your monolithic application and move to an up-to-date software stack that works across cloud and on-premises installations. Learn cloud native application basics to understand what parts of your organization's Java-based applications and platforms need to migrate and modernize Understand how enterprise Java specifications can help you transition projects and teams Build a cloud native platform that supports effective development without falling into buzzword traps Find a starting point for your migration projects by identifying candidates and staging them through modernization steps Discover how to complement a traditional enterprise Java application with components on top of containers and Kubernetes The editors of Consumer Reports rate a wide range of consumer items, in an updated buying guide for new products, which includes advice on how to purchase kitchen items, automobiles, entertainment products, and home office equipment, along with more than eight hundred product ratings, brand repair histories, and other helpful features. Original. 200,000 first printing. PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical

solutions help you make better buying decisions and get more from technology. The region of the São Francisco river valley in eastern Brazil encompasses two main components of the geologic framework of the South American continent: the São Francisco craton and its marginal orogenic belts. Cratons, as the oldest, differentiated and relatively stable pieces of the continental lithosphere, preserve a substantial part of the Earth's memory. Orogenic belts, on the other hand, record collisional processes that occurred during a limited time span. Because of their topographic relief, mountain belts developed along craton margins provide however access to rock successions not exposed in the low lands of the adjacent cratons. The combination of geologic information obtained in cratonic domains and their marginal orogenic belts thus form the basis for deciphering substantial periods of Earth's history. Corresponding to the most intensively studied portion of the Precambrian nucleus of the South American plate, the São Francisco craton and its margins host a rock record that spans from the Paleoarchean to the Cenozoic. Precambrian sedimentary successions that witness ancient Earth processes - many of them of global significance - are especially well preserved and exposed in this region. With all these attributes the São Francisco craton together with its fringing orogenic belts can be viewed as a 'continent within a continent' or a 'continent in miniature'. Metallic glasses are multi-component metallic alloys with disordered atomic distribution unlike their crystalline counterparts with long range periodicity in arrangement of atoms. Metallic glasses of different compositions are being commercially used in bulk form and as coatings because of their excellent corrosion resistance. This book was written with the objective of providing a comprehensive understanding of the electrochemical and corrosion behavior of metallic glasses for a wide range of compositions. Corrosion in structural materials leads to rapid deterioration in the performance of critical components and serious economic implications including property damage and loss in human life. Discovery and development of metallic alloys with

enhanced corrosion resistance will have a sizable impact in a number of areas including manufacturing, aerospace, oil and gas, nuclear industry, and load-bearing bioimplants. The corrosion resistance of many metallic glass systems is superior compared to conventionally used alloys in different environments. In this book, we discuss in detail the role of chemistry, processing conditions, environment, and surface state on the corrosion behavior of metallic glasses and compare their performance with conventional alloys. Several of these alloy systems consist of all biocompatible and non-allergenic elements making them attractive for bioimplants, stents, and surgical tools. To that end, critical insights are provided on the bio-corrosion response of some metallic glasses in simulated physiological environment. Praise for the First Edition: "Very useful for researchers in solid-state chemistry and as a textbook of advanced inorganic chemistry for PhD students." -Advanced Materials. This book provides unified coverage of the structure, properties, and synthesis of transition metal oxides. Written by two world-class scientists, it offers both an excellent window on modern solid-state chemistry and a gateway to understanding the behavior of inorganic solids. Scientists and advanced students in inorganic and solid-state chemistry, materials science, ceramics, and condensed matter science will welcome this updated Second Edition, which features new or expanded material on: * Oxyanion derivatives of cuprates, mercury cuprates, ladder compounds, and new oxide systems * Giant magnetoresistance, superconductivity, and nonlinear materials * Recently developed synthetic strategies and examples, including soft chemistry routes Plus: * Hundreds of illustrations * Helpful references. Designed for photographers who haven't memorized every button, dial, setting, and feature on their Sony a7 III, Rocky Nook's handy and ultra-portable quick reference Pocket Guide helps you get the shot when you're out and about. * Confirm that your camera is set up properly with the pre-shoot checklist * Identify every button and dial on your camera * Learn the essential modes and settings you need to know * Dive deeper

with additional features of your camera * Execute step-by-step instructions for shooting multiple exposures, in-camera HDR, time-lapse movies, and more * Follow tips and techniques for getting great shots in typical scenarios (portrait, landscape, freezing action, low light, etc.)
With the growing global fear of a major pandemic, avian influenza (AI) virus research has greatly increased in importance. In Avian Influenza Virus, an expert team of researchers and diagnosticians examine the fundamental, yet essential, virological methods for AI virus research and diagnostics as well as some of the newest molecular procedures currently used for basic and applied research. They present exciting, cutting-edge new methods that focus both on studying the virus itself and on work with avian hosts, an area greatly lacking in research.