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KEY=SHOCK - DARRYL GAVIN

Aeronautical Engineer's Data Book Elsevier Aeronautical Engineer's Data Book is an essential handy guide containing useful up to date information regularly needed by the student or practising engineer. Covering all aspects of aircraft, both fixed wing and rotary craft, this pocket book provides quick access to useful aeronautical engineering data and sources of information for further in-depth information. Quick reference to essential data Most up to date information available Cotton Ginners Handbook DIANE Publishing Addresses the key cotton ginning issues concerned with facilities, machinery, cleaning, ginning, drying, packaging, and waste collection and disposal as well as ancillary issues concerned with pollution, management, economics, energy, insurance, safety, cotton classification, and textile machinery. Appendices: duties of gin personnel, portable moisture meters and pink bollworm control in gins. Glossary and index. Photos, charts, tables and graphs. Valve Selection Handbook Engineering Fundamentals for Selecting the Right Valve Design for Every Industrial Flow Application Elsevier Valves are the components in a fluid flow or pressure system that regulate either the flow or the pressure of the fluid. They are used extensively in the process industries, especially petrochemical. Though there are only four basic types of valves, there is an enormous number of different kinds of valves within each category, each one used for a specific purpose. No other book on the market analyzes the use, construction, and selection of valves in such a comprehensive manner. Covers new environmentally-conscious equipment and practices, the most important hot-button issue in the petrochemical industry today Details new generations of valves for offshore projects, the oil industry's fastest-growing segment Includes numerous new products that have never before been written about in the mainstream literature High-Pressure Shock Compression of Solids II Dynamic Fracture and Fragmentation Springer Science & Business Media This volume concerns the fracture and fragmentation of solid materials that occurs when they are subjected to extremes of stress applied at the highest possible rates. The plan for the volume is to address experimental, theoretical, and computational aspects of high-rate dynamic fracture and fragmentation, with emphasis on recent work. We begin with several chapters in which the emphasis falls on experimental methods and observations. These chapters address both macroscopic responses and the microscopic cause of these responses. This is followed by several chapters emphasizing modeling-the physical explanation and mathematical representation of the observations. Some of the models are deterministic, while others focus on the stochastic aspects of the observations. Often, the overall objective of investigation of dynamic fracture and fragmentation phenomena is provision of a means for predicting the entire course of an event that begins with a stimulus such as an impact and proceeds through a complicated deformation and fracture process that results in disintegration of the body and formation of a rapidly expanding cloud of debris fragments. Analysis of this event usually involves development of a continuum theory and computer code that captures the experimental observations by incorporating models of the important phenomena into a comprehensive description of the deformation and fracture process. It is to this task that the work of the last few chapters is devoted. Men's Watches Silverback Books Includes 256 richly illustrated, fact filled pages that include the latest and avant-garde watches of the day. Climate Risk Informed Decision Analysis (CRIDA) collaborative water resources planning for an uncertain future UNESCO Publishing Pressure Vessel Handbook Electrical Submersible Pumps Manual Design, Operations, and Maintenance Gulf Professional Publishing Electrical Submersible Pumps Manual: Design, Operations and Maintenance, Second Edition continues to deliver the information needed with updated developments, technology and operational case studies. New content on gas handlers, permanent magnet motors, and newly designed stage geometries are all included. Flowing from basic to intermediate to special applications, particularly for harsh environments, this reference also includes workshop materials and class-style examples for trainers to utilize for the newly hired production engineer. Other updates include novel pump stage designs, high-performance motors and temperature problems and solutions specific for high temperature wells. Effective and reliable when used properly, electrical submersible pumps (ESPs) can be expensive to purchase and maintain. Selecting the correct pump and operating it properly are essential for consistent flow from production wells. Despite this, there is not a dedicated go-to reference to train personnel and engineers. This book keeps engineers and managers involved in ESPs knowledgeable and up-to-date on this advantageous equipment utilized for the oil and gas industry. Includes updates such as new classroom examples for training and more operational information, including production control Features a rewritten section on failures and troubleshooting Covers the latest equipment, developments and maintenance needed Serves as a useful daily reference for both practicing and newly hired engineers Explores basic electrical, hydraulics and motors, as well as more advanced equipment specific to special conditions such as production of deviated and high temperature wells Monthly Catalogue, United States Public Documents Monthly Catalog of United States Government Publications Toolkit to Combat Trafficking in Persons United Nations Publications In the light of the urgent need for cooperative and collaborative action against trafficking, this publication presents examples of promising practice from around the world relating to trafficking interventions. It is hoped that the guidance offered, the practices showcased and the resources recommended in this Toolkit will inspire and assist policymakers, law enforcers, judges, prosecutors, victim service providers and members of civil society in playing their role in the global effort against trafficking in persons. The present edition is an updated and expanded version of the Toolkit published in 2006. Scientific and Technical Aerospace Reports Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database. Mergers, Acquisitions, and Other Restructuring Activities An Integrated Approach to Process, Tools, Cases, and Solutions Academic Press Two strengths distinguish this textbook from others. One is its presentation of subjects in the contexts wherein they occur. The other is its use of current events. Other improvements have shortened and simplified chapters, increased the numbers and types of pedagogical supplements, and expanded the international appeal of examples. MindManager For Dummies John Wiley & Sons The first book available on this fast-growing and highly regarded software package MindManager allows users to visually map their ideas and brainstorming sessions in order to better organize thoughts and put them into action. Exploring all there is to know about the MindManager product, including the Standard, Business, Enterprise, and handheld releases, this book walks readers through the process and techniques in using MindManager to communicate ideas. Hugh Cameron (Indianapolis, IN) heads Camtech, Inc., a clinical engineering company that extends its reach to incorporate a diverse group of projects. Roger Voight, PhD, is a certified project manager with more than 30 years of experience in software design, development, and software project management. Fossil Energy Update The Very Large Church One of the most crucial changes in North American life, Lyle E. Schaller explains, has been the shift from small to large institutions. Sixty years ago one-teacher, one-room schoolhouses still abounded, and the average number of students in all American schools was one hundred. Now new construction on elementary schools is often for facilities that will accommodate more than twelve hundred students, and average school size is over six hundred. Similar changes have happened in several other branches of American life. These changes, Schaller contends, mean that the rules have changed for everyone involved in organizational life. Very large churches—megachurches—will increasingly come to embody the new rule-book for congregations. Extending their mission far beyond a single local neighborhood, they will draw large numbers of visitors, helping them move progressively from skeptics or seekers to believers to learners to disciples to apostles. The Very Large Church was written for those congregational leaders, both volunteer and paid staff, who recognize that their old rule-book is obsolete and who are eager to learn how to participate effectively in the very large church in a context that is defined by the culture, the societal context, clearly defined expectations, a theological belief system, a passion for evangelism, a high level of competence, creativity, innovation, and a new and different set of rules, rather than by local traditions, geographical boundaries, or yesterday's stereotypes. Key Features: • Focuses on issues in organization life—Schaller's strong suit • Addresses a tendency that is growing today Key Benefits: • Places the shift to large churches within the context of a cultural shift from small to large institutions • Demonstrates how and why the old rule-book for organizational structure must change • Helps church leaders understand how to make the transition to the megachurch culture while retaining Christian integrity Poverty in the United Kingdom A Survey of Household Resources and Standards of Living Univ of California Press Digital Video For Dummies John Wiley & Sons So you have a camcorder and visions of being the next Spielberg. But how do you progress from shooting so-so footage to showing your own finished movie? Digital Video For Dummies, 4th Edition gives you the know-how and the show-how! Find out how to shoot and edit great movies, using iMovie, Windows Movie Maker, or Adobe Premiere Elements to add the finishing touches like special effects and your own soundtrack. With the latest information and lots of illustrations and screen shots, this friendly guide walks you through: Getting your computer ready to work with digital video (complete with information about FireWire) Choosing a camcorder, including features to look for and features that are useless Digitizing old VHS videotapes to preserve memories Purchasing other movie making gear, including audio and lighting equipment Shooting better video, with tips on lighting, panning, using the zoom, and recording better audio Creating your own sound effects such as footsteps, bones breaking, fire, thunder, insects buzzing, and more Capturing digital video using iMovie, Windows Movie Marker, or Premiere Elements Editing, including understanding timecode, organizing and previewing clips, and assembling clips in Storyboard and Timeline Adding transitions, titles, and special effects Importing and integrating video from phones and digital cameras Using audio rubberbands in iMovie, Premiere Elements, and other editing programs Adding narration, importing and working with CD audio, and adding a music soundtrack Keith Underdahl has extensive professional video production experience developing kiosk and marketing videos for Ages Software. Realizing that you'll want to polish and premiere your movie, he includes information on: More advanced video editing, including animating video clips, improving light and color, compositing video (bluescreen or greenscreen), and more 13 categories of video effects, ranging from blur and sharpen to transform Working with still photos and graphics Sharing your video online using QuickTime (/QT), RealMedia (.RM), or Windows Media Video (.WMV) Making tapes or burning DVDs in 9 steps With a handy cheat sheet of keyboard shortcuts, a chart comparing 10 video editing programs, a glossary, and more, with this guide you'll soon be saying "Lights, camera, action" and producing your own movie attraction. World Trade Statistical Review 2019 International Trade Statistics A comprehensive overview of the latest developments in world trade, covering the details of merchandise trade by product and trade in commercial services Car Hacks and Mods For Dummies John Wiley & Sons So you want to turn your Yugo into a Viper? Sorry--you need a certified magician. But if you want to turn your sedate sedan into a mean machine or your used car lot deal into a powerful, purring set of wheels, you've come to the right place. Car Hacks & Mods for Dummies will get you turbo-charged up about modifying your car and guide you smoothly through: Choosing a car to mod Considering warranties, legal, and safety issues Hacking the ECU (Engine Control Unit) to adjust performance-enhancing factors like fuel injection, firing the spark plugs, controlling the cooling fan, and more Replacing your ECU with a plug and play system such as the APEXi Power FC or the AEM EMS system Putting on the brakes (the faster you go, the faster you'll need to stop) Setting up your car for better handling and cornering Written by David Vespremi, automotive expert, frequent guest on national car-related TV shows, track driving instructor and self-proclaimed modder, Car Hacks & Mods for Dummies gets you into the ECU and under the hood and gives you the keys to: Choosing new wheels, including everything from the basics to dubs and spinners Putting your car on a diet, because lighter means faster Basic power bolt-ons and more expensive power adders Installing roll bars and cages to enhance safety Adding aero add-ons, including front "chin" spoilers, real spoilers, side skirts, and canards Detailing, down to the best cleaners and waxes and cleaning under the hood Using OBD (on-board diagnostics) for troubleshooting Getting advice from general Internet sites and

specific message boards and forums for your car's make or model, whether it's a Chevy pick-up or an Alfa Romeo roadster. Whether you want to compete at drag strips or on road courses or simply accelerate faster on an interstate ramp, if you want to improve your car's performance, *Car Hacks & Mods for Dummies* is just the boost you need. **Cal/OSHA Pocket Guide for the Construction Industry** The Cal/OSHA Pocket Guide for the Construction Industry is a handy guide for workers, employers, supervisors, and safety personnel. This latest 2011 edition is a quick field reference that summarizes selected safety standards from the California Code of Regulations. The major subject headings are alphabetized and cross-referenced within the text, and it has a detailed index. Spiral bound, 8.5 x 5.5" **Fundamentals of Business (black and white) (Black & White version)** Fundamentals of Business was created for Virginia Tech's MGT 1104 Foundations of Business through a collaboration between the Pamplin College of Business and Virginia Tech Libraries. This book is freely available at: <http://hdl.handle.net/10919/70961> It is licensed with a Creative Commons-NonCommercial ShareAlike 3.0 license. **The Ultimate Guide To Choosing a Medical Specialty** **McGraw Hill Professional** The first medical specialty selection guide written by residents for students! Provides an inside look at the issues surrounding medical specialty selection, blending first-hand knowledge with useful facts and statistics, such as salary information, employment data, and match statistics. Focuses on all the major specialties and features firsthand portrayals of each by current residents. Also includes a guide to personality characteristics that are predominate with practitioners of each specialty. "A terrific mixture of objective information as well as factual data make this book an easy, informative, and interesting read." --Review from a 4th year Medical Student **Government Reports Announcements & Index Advances in Wind Power** **BoD - Books on Demand** Today's wind energy industry is at a crossroads. Global economic instability has threatened or eliminated many financial incentives that have been important to the development of specific markets. Now more than ever, this essential element of the world energy mosaic will require innovative research and strategic collaborations to bolster the industry as it moves forward. This text details topics fundamental to the efficient operation of modern commercial farms and highlights advanced research that will enable next-generation wind energy technologies. The book is organized into three sections, Inflow and Wake Influences on Turbine Performance, Turbine Structural Response, and Power Conversion, Control and Integration. In addition to fundamental concepts, the reader will be exposed to comprehensive treatments of topics like wake dynamics, analysis of complex turbine blades, and power electronics in small-scale wind turbine systems. **Woldman's Engineering Alloys** **ASM International** Annotation New edition of a reference that presents the values of properties typical for the most common alloy processing conditions, thus providing a starting point in the search for a suitable material that will allow, with proper use, all the necessary design limitations to be met (strength, toughness, corrosion resistance and electronic properties, etc.) The data is arranged alphabetically and contains information on the manufacturer, the properties of the alloy, and in some cases its use. The volume includes 32 tables that present such information as densities, chemical elements and symbols, physical constants, conversion factors, specification requirements, and compositions of various alloys and metals. Also contains a section on manufacturer listings with contact information. Edited by Frick, a professional engineering consultant. Annotation c. Book News, Inc., Portland, OR (booknews.com). **Human Factors in Simulation and Training** **CRC Press** Measure twice, cut once. Although applicable to all areas of human factors research, the old adage is especially relevant to simulation and training. As a tool, simulation is an aid to the imagination, however, if incorrectly or inadequately used, it can lead to inaccurate outcomes that not only limit the possibilities but potentially cause harm. A comprehensive overview of the topic from a human factor perspective, *Human Factors in Simulation and Training* not only reflects the state-of-the-art but also integrates the literature on simulation into a cohesive resource. The editors have collected chapters on a wide variety of topics, beginning with theory and application in areas ranging from traditional training to augmented reality to virtual reality. This coverage includes surface ships, submarines, naval aviation, commercial aviation, space, and medicine. The theory based section focuses on human factors aspects of simulation and training ranging from the history of simulators and training devices, to future trends in simulation from both a civilian and military perspective. The chapters expand on concepts regarding simulator usage particularly with respect to the validity and functionality of simulators as training devices. They contain in depth discussions of specific issues including fidelity, interfaces and control devices, transfer of training, simulator sickness, effects of motion in simulated systems, and virtual reality. As more, and more sophisticated, simulation tools and training technologies become available, a complete understanding of how to use them appropriately will be even more crucial. Elucidating theory and application, the book addresses numerous issues and concepts pertaining to human factors in simulation and training, making this volume an important addition to the bookshelf of any human factors professional. **Anticancer Agents from Natural Products** **CRC Press** Plants, marine organisms, and microorganisms have evolved complex chemical defense and signaling systems that are designed to protect them from predators and provide other biological benefits. These organisms thus produce substances containing novel chemotypes that may have beneficial effects for humans. As collection methods improve and new screen **Global Status Report on Noncommunicable Diseases 2010 (RUSSIAN)**. **Transportation Energy Data Book Proceedings of International Conference on Cognition and Recognition ICCR 2016** **Springer** The book covers a comprehensive overview of the theory, methods, applications and tools of cognition and recognition. The book is a collection of best selected papers presented in the International Conference on Cognition and Recognition 2016 (ICCR 2016) and helpful for scientists and researchers in the field of image processing, pattern recognition and computer vision for advance studies. Nowadays, researchers are working in interdisciplinary areas and the proceedings of ICCR 2016 plays a major role to accumulate those significant works at one place. The chapters included in the proceedings inculcate both theoretical as well as practical aspects of different areas like nature inspired algorithms, fuzzy systems, data mining, signal processing, image processing, text processing, wireless sensor networks, network security and cellular automata. **The Brighton School and the Birth of British Film** **Springer** This study is devoted to the work of two early British filmmakers, George Albert Smith and James Williamson, and the films that they made around 1900. Internationally, they are known collectively as the 'Brighton School' and are positioned as being at the forefront of Britain's contribution to the birth of film. The book focuses on the years 1896 to 1903, as it was during this short period that film emerged as a new technology, a new enterprise and a new form of entertainment. Beginning with a historiography of the Brighton School, the study goes on to examine the arrival of the first 35mm films in Britain, the first film exhibitions in Brighton and the first projection of film in Brighton. Both Smith and Williamson's work features a progression from the production of single shot unedited films to multi-shot edited films. Their subject matter was inspired by a knowledge of contemporary pantomime, humour, literature, theatre, mesmerism, the magic lantern and current affairs and their practices were underpinned by active involvement in the new film trade. Through the exploration of how these filmmakers cultivated a new way of understanding film and its commercial potential, this book establishes them as key figures in the development of British film culture. **SCR Manual** The SCR has grown to be the most prominent semiconductor device for static power conversion and control. **FEFLOW Finite Element Modeling of Flow, Mass and Heat Transport in Porous and Fractured Media** **Springer Science & Business Media** FEFLOW is an acronym of Finite Element subsurface FLOW simulation system and solves the governing flow, mass and heat transport equations in porous and fractured media by a multidimensional finite element method for complex geometric and parametric situations including variable fluid density, variable saturation, free surface(s), multispecies reaction kinetics, non-isothermal flow and multidiffusive effects. FEFLOW comprises theoretical work, modeling experiences and simulation practice from a period of about 40 years. In this light, the main objective of the present book is to share this achieved level of modeling with all required details of the physical and numerical background with the reader. The book is intended to put advanced theoretical and numerical methods into the hands of modeling practitioners and scientists. It starts with a more general theory for all relevant flow and transport phenomena on the basis of the continuum approach, systematically develops the basic framework for important classes of problems (e.g., multiphase/multispecies non-isothermal flow and transport phenomena, discrete features, aquifer-averaged equations, geothermal processes), introduces finite-element techniques for solving the basic balance equations, in detail discusses advanced numerical algorithms for the resulting nonlinear and linear problems and completes with a number of benchmarks, applications and exercises to illustrate the different types of problems and ways to tackle them successfully (e.g., flow and seepage problems, unsaturated-saturated flow, advective-diffusion transport, saltwater intrusion, geothermal and thermohaline flow). **How To Be Right ... in a world gone wrong** **Random House** The voice of reason in a world that won't shut up. The Sunday Times Bestseller Winner of the Parliamentary Book Awards Every day, James O'Brien listens to people blaming hard-working immigrants for stealing their jobs while scrounging benefits, and pointing their fingers at the EU and feminists for destroying Britain. But what makes James's daily LBC show such essential listening - and has made James a standout social media star - is the incisive way he punctures their assumptions and dismantles their arguments live on air, every single morning. In the bestselling *How To Be Right*, James provides a hilarious and invigorating guide to talking to people with unchallenged opinions. With chapters on every lightning-rod issue, James shows how people have been fooled into thinking the way they do, and in each case outlines the key questions to ask to reveal fallacies, inconsistencies and double standards. If you ever get cornered by ardent Brexiteers, Daily Mail disciples or corporate cronies, this book is your conversation survival guide. **Black Hawk Down** **Random House** Late in the afternoon of Sunday, 3 October 1993, 140 elite US soldiers abseiled from helicopters into a teeming market neighbourhood in the heart of the city of Mogadishu, Somalia. Their mission was to abduct two top lieutenants of a Somali warlord and return to base. It was supposed to take them about an hour. Instead, they were pinned down through a long and terrible night in a hostile city, fighting for their lives against thousands of heavily armed Somalis. When the unit was rescued the following morning, 18 American soldiers were dead and more than 70 badly injured. The Somali toll was far worse - more than 500 killed and over 1000 injured. Authoritative, and insightful, *Black Hawk Down* is a minute-by-minute account of modern war. **Government Reports Annual Index Sections 1-2. Keyword Index.--Section 3. Personal author index.--Section 4. Corporate author index.--Section 5. Contract/grant number index, NTIS order/report number index 1-E.--Section 6. NTIS order/report number index F-Z. General Chemical Kinetics Computer Program for Static and Flow Reactions, with Application to Combustion and Shock-tube Kinetics** A general chemical kinetics program is described for complex, homogeneous ideal-gas reactions in any chemical system. Its main features are flexibility and convenience in treating many different reaction conditions. The program solves numerically the differential equations describing complex reaction in either a static system or one-dimensional inviscid flow. Applications include ignition and combustion, shock wave reactions, and general reactions in a flowing or static system. An implicit numerical solution method is used which works efficiently for the extreme conditions of a very slow or a very fast reaction. The theory is described, and the computer program and users' manual are included. **Smart Systems and IoT: Innovations in Computing Proceeding of SSIC 2019** **Springer** The book features original papers from the 2nd International Conference on Smart IoT Systems: Innovations and Computing (SSIC 2019), presenting scientific work related to smart solution concepts. It discusses computational collective intelligence, which includes interactions between smart devices, smart environments and smart interactions, as well as information technology support for such areas. It also describes how to successfully approach various government organizations for funding for business and the humanitarian technology development projects. Thanks to the high-quality content and the broad range of the topics covered, the book appeals to researchers pursuing advanced studies. **Hard Drive Bible THE HARD DRIVE BIBLE, EIGHTH EDITION** is the definitive reference book for anyone who deals with personal computer data storage devices of any kind. This comprehensive work covers installations, drive parameters, & set up information for thousands of Hard Disk, Optical, DAT Tape, & CD-ROM Drives. A concise history of data storage devices is followed by the most expansive compilation of technical data offered to the public today. Specifications, drawings, charts & photos cover jumper settings, cabling, partitioning & formatting of disk drives. SCSI commands & protocols are addressed, in addition to chapters revealing the intricacies of different interface standards & common troubleshooting procedures. THE HARD DRIVE BIBLE contains the answers to anyone's questions concerning the purchase, installation & use of modern digital data storage devices. The difficulties caused by compatibility mismatches are addressed & solutions are offered. Also featured are controller card information & performance ratings, as well as valuable tips on increasing drive performance & reliability through software. THE HARD DRIVE BIBLE is published by Corporate Systems Center, one of the leaders in the digital storage device field. A CD-ROM included with the book carries CSC's drive performance test software & formatting tools, as well as thousands of drive parameters, specifications, & technical drawings. To order contact: Corporate Systems Center, 1294 Hammerwood Avenue, Sunnyvale, CA 94089; 408-743-8787.