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This book provides readers with a greater understanding of a variety of statistical techniques along with the procedure to use the most popular statistical software package SPSS. It strengthens the intuitive understanding of the material, thereby increasing the ability to successfully analyze data in the future. The book provides more control in the analysis of data so that readers can apply the techniques to a broader spectrum of research problems. This book focuses on providing readers with the knowledge and skills needed to carry out research in management, humanities, social and behavioural sciences by using SPSS.

Ward's Automotive International Federation Press

The Aircraft Engineering Principles and Practice Series provides students, apprentices and practicing aerospace professionals with the definitive resources to take forward their aircraft engineering maintenance studies and career. This book provides a detailed introduction to the principles of aircraft electrical and electronic systems. It delivers the essential principles and knowledge required by certifying mechanics, technicians and engineers engaged in engineering maintenance on commercial aircraft and in general aviation. It is well suited for anyone pursuing a career in aircraft maintenance engineering or a related aerospace engineering discipline, and in particular those studying for licensed aircraft maintenance engineer status. The book systematically covers the avionic content of EASA Part-66 modules 11 and 13 syllabus, and is ideal for anyone studying as part of an EASA and FAR-147 approved course in aerospace engineering. All the necessary mathematical, electrical and electronic principles are explained clearly and in-depth, meeting the requirements of EASA Part-66 modules, City and Guilds Aerospace Engineering modules, BTEC National Units, elements of BTEC Higher National Units, and a Foundation Degree in aircraft maintenance engineering or a related discipline.

Elephant Dance Wiley

Chemical Engineering Design, Second Edition, deals with the application of chemical engineering principles to the design of chemical processes and equipment. Revised throughout, this edition has been specifically developed for the U.S. market. It provides the latest US codes and standards, including API, ASME and ISA design codes and ANSI standards. It contains new discussions of conceptual plant design, flowsheet development, and revamp design; extended coverage of capital cost estimation, process costing, and economics; and new chapters on equipment selection,

reactor design, and solids handling processes. A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data, and Excel spreadsheet calculations, plus over 150 Patent References for downloading from the companion website. Extensive instructor resources, including 1170 lecture slides and a fully worked solutions manual are available to adopting instructors. This text is designed for chemical and biochemical engineering students (senior undergraduate year, plus appropriate for capstone design courses where taken, plus graduates) and lecturers/tutors, and professionals in industry (chemical process, biochemical, pharmaceutical, petrochemical sectors). New to this edition: - Revised organization into Part I: Process Design, and Part II: Plant Design. The broad themes of Part I are flowsheet development, economic analysis, safety and environmental impact and optimization. Part II contains chapters on equipment design and selection that can be used as supplements to a lecture course or as essential references for students or practicing engineers working on design projects. - New discussion of conceptual plant design, flowsheet development and revamp design - Significantly increased coverage of capital cost estimation, process costing and economics - New chapters on equipment selection, reactor design and solids handling processes - New sections on fermentation, adsorption, membrane separations, ion exchange and chromatography - Increased coverage of batch processing, food, pharmaceutical and biological processes - All equipment chapters in Part II revised and updated with current information - Updated throughout for latest US codes and standards, including API, ASME and ISA design codes and ANSI standards - Additional worked examples and homework problems - The most complete and up to date coverage of equipment selection - 108 realistic commercial design projects from diverse industries - A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data and Excel spreadsheet calculations plus over 150 Patent References, for downloading from the companion website - Extensive instructor resources: 1170 lecture slides plus fully worked solutions manual available to adopting instructors

Chemical Engineering Design FriesenPress

This volume covers new research and development in vehicle safety, it looks at the outcome of new design solutions and their application in this field. It provides an environment for the constructive dissemination and discussion of new knowledge and its timely

application. Vehicle manufacturers, researchers, and policy makers from around the world exchange information and views about future improvements in vehicle safety.

Business Review Weekly McGraw Hill Professional

A unique A-to-Z reference of brilliance in innovation and invention. Combining engagingly written, well-researched history with the respected imprimatur of Scientific American magazine, this authoritative, accessible reference provides a wide-ranging overview of the inventions, technological advances, and discoveries that have transformed human society throughout our history. More than 400 entertaining entries explain the details and significance of such varied breakthroughs as the development of agriculture, the "invention" of algebra, and the birth of the computer. Special chronological sections divide the entries, providing a unique focus on the intersection of science and technology from early human history to the present. In addition, each section is supplemented by primary source sidebars, which feature excerpts from scientists' diaries, contemporary accounts of new inventions, and various "In Their Own Words" sources.

Comprehensive and thoroughly readable, *Scientific American Inventions and Discoveries* is an indispensable resource for anyone fascinated by the history of science and technology. Topics include: aerosol spray * algebra * Archimedes' Principle * barbed wire * canned food * carburetor * circulation of blood * condom * encryption machine * fork * fuel cell * latitude * music synthesizer * positron * radar * steel * television * traffic lights * Heisenberg's uncertainty principle

Scientific American Inventions and Discoveries Springer Nature

"The rhythmic, onomatopoeic text dances across exuberant watercolors with lots of movement. This celebration of a child's agency in choosing a means of artistic expression strikes just the right note." --Kirkus "A delightful offering for reading aloud, especially during music-themed storytimes." --School Library Journal From New York Times bestselling author Chris Barton and new illustrator Louis Thomas comes a fun, rhythmic picture book about finding the music that is perfect for you! A boy who loves to make noise gets to pick only one instrument (at his parents urging) in a music store, but there is too much to choose from! There's triangles and sousaphones! There's guitars and harpsichords! Bagpipes and cellos and trombones! How can he find the one that is just right for him out of all those options?

Model-based Health Monitoring of Hybrid Systems Knopf Books for Young Readers

This book systematically presents a comprehensive framework and effective techniques for in-depth analysis, clear design procedure, and efficient implementation of diagnosis and prognosis algorithms for hybrid systems. It offers an overview of the fundamentals of diagnosis/prognosis and hybrid bond graph modeling. This book also describes hybrid bond graph-based quantitative fault detection, isolation and estimation. Moreover, it also presents strategies to track the system mode and predict the remaining useful life under multiple fault condition. A real world complex hybrid system—a vehicle steering control system—is studied using the developed fault diagnosis methods to show practical significance. Readers of this book will benefit from easy-to-understand fundamentals of bond graph models, concepts of health monitoring, fault diagnosis and failure prognosis, as well as hybrid systems. The reader will gain knowledge of fault detection and isolation in complex systems including those with hybrid nature, and will learn state-of-the-art developments in theory and technologies of fault diagnosis and failure prognosis for complex systems.

The Tax Inspector Springer Science & Business Media

In one complete volume, this essential reference presents an in-depth overview of the theoretical principles and techniques of electrical machine design. This timely new edition offers up-to-date theory and guidelines for the design of electrical machines, taking into account recent advances in permanent magnet machines as well as synchronous reluctance machines. New coverage includes: Brand new material on the ecological impact of the motors, covering the eco-design principles of rotating electrical machines An expanded section on the design of permanent magnet synchronous machines, now reporting on the design

of tooth-coil, high-torque permanent magnet machines and their properties Large updates and new material on synchronous reluctance machines, air-gap inductance, losses in and resistivity of permanent magnets (PM), operating point of loaded PM circuit, PM machine design, and minimizing the losses in electrical machines> End-of-chapter exercises and new direct design examples with methods and solutions to real design problems> A supplementary website hosts two machine design examples created with MATHCAD: rotor surface magnet permanent magnet machine and squirrel cage induction machine calculations. Also a MATLAB code for optimizing the design of an induction motor is provided Outlining a step-by-step sequence of machine design, this book enables electrical machine designers to design rotating electrical machines. With a thorough treatment of all existing and emerging technologies in the field, it is a useful manual for professionals working in the diagnosis of electrical machines and drives. A rigorous introduction to the theoretical principles and techniques makes the book invaluable to senior electrical engineering students, postgraduates, researchers and university lecturers involved in electrical drives technology and electromechanical energy conversion.

Data Analysis in Management with SPSS Software Vintage Canada

It's the middle of the night in the Namibian desert when zoologist Tammie Matson wakes with a start to find two elephants standing beside her tiny tent. She makes a promise: "If you just let me survive tonight I will give up Africa. I'll give it all up. Just don't let them stand on me." It's not a promise she will easily keep. At 29, Tammie has spent nearly half her life in Africa, her first love, working as a conservationist. But as her 30s approach, Tammie is conscious of not having ticked those boxes: no house, no kids and no husband. Broke and with her visa running out, it seems like Africa may just force her to give it up after all. On returning to Australia, Tammie lands a job at the Worldwide Fund for Nature (WWF) in Sydney. There she meets Andy, a charismatic Brit, and Africa suddenly has a rival. But she's not ready to give up on the elephants yet... From the magic of Bushmanland, to the banks of Chobe River in Botswana, to the civil strife of Assam, India, *Elephant Dance* takes us to the heart of a conservationist's fight to find a way for elephants to live peacefully in a world with too many people, too few resources and the increasing threat of climate change. Passionate, funny, and moving, *Elephant Dance* is also a classic story of self-discovery, love, and the courage it takes to follow your calling, especially when it takes you places you least expected.

Design of Rotating Electrical Machines Elsevier

This comprehensive reference combines the technological know-how from five centuries of industrial-scale brewing to meet the needs of a global economy. The editor and authors draw on the expertise gained in the world's most competitive beer market (Germany), where many of the current technologies were first introduced. Following a look at the history of beer brewing, the book goes on to discuss raw materials, fermentation, maturation and storage, filtration and stabilization, special production methods and beer mix beverages. Further chapters investigate the properties and quality of beer, flavor stability, analysis and quality control, microbiology and certification, as well as physiology and toxicology. Such modern aspects as automation, energy and environmental protection are also considered. Regional processes and specialties are addressed throughout the entire book, making this a truly global resource on brewing.

Aircraft Electrical and Electronic Systems Springer Science & Business Media

Strange things happen in The Gulp. The residents have grown used to it. The isolated Australian harbour town of Gulpepper is not like other places. Some maps don't even show it. And only outsiders use the full name. Everyone who lives there calls it The

Gulp. The place has a habit of swallowing people. A man enjoying early retirement makes the mistake of visiting The Gulp. A fishing boat crew find themselves somewhere entirely unexpected. A farmer has an argument with his wife that turns violent and then entirely catastrophic. A Venture Scout troop from Enden travel a little too far on their bush excursion. Everything that's been getting stranger than usual in The Gulp begins to run completely out of control. Five more novellas. Five more descents into darkness. Welcome to The Gulp, where nothing is as it seems. "If you're a fan of one town horror anthologies with a best of 80s vibe (like anything from Castle Rock or Josh Malerman's Goblin) then you really should get yourself some 'Tales from the Gulp' by Alan Baxter." – Sarah Pinborough, bestselling author of **BEHIND HER EYES**

The Automotive Chassis Cambridge University Press

From Granny Catchprice, who runs her family business -- and her family -- with senility, cunning, and a handbag full of explosives to sixteen-year-old Benny, who dreams of transforming a failing automobile franchise into an empire -- and himself into an angel -- the Catchprices may be the most spectacularly contentious family since Dostoevsky's Karamozovs. But when a beautiful and very pregnant agent of the Australian Taxation Office enters their lives, the resulting collision becomes, in Carey's hands, masterpiece of coal-black humour and compassionate horror.

The Dictionary of National Biography, Founded in 1882 by George Smith Motorbooks International

Twenty-eight year old Katie Cook lands her dream job in the world of professional tennis. It was like being invited to the Academy Awards, except they were all wearing branded tracksuits. Katie finds life in Sydney to be not quite measuring up and makes the move to follow her childhood obsession with professional tennis, running away to join this circus of a world and finding work as a publicist. Racing around the globe faster than a Contiki tour, creating internet scandals wherever she goes, Katie is seduced by the appearance of glamour and her weakness for bad boys. She falls for one of the troubled champions and starts a trending relationship. With an archenemy placing social media bombs in her way and hashtags haunting Katie in her sleep, she navigates her way through a series of social media and love crises. Katie has some decisions to make. Does she want a hero or a career? Will she end up happily ever after? What does that even mean? One thing is for sure, she will never schedule an Instagram post again! #GirlsCanBeHeroestoo. The story is written by a tennis insider and has been described as *The Devil Wears Prada* meets the exciting world of professional tennis.

The Big Book of Tiny Cars Alan Baxter

Computational tools allow material scientists to model and analyze increasingly complicated systems to appreciate material behavior. Accurate use and interpretation however, requires a strong understanding of the thermodynamic principles that underpin phase equilibrium, transformation and state. This fully revised and updated edition covers the fundamentals of thermodynamics, with a view to modern computer applications. The theoretical basis of chemical equilibria and chemical changes is covered with an emphasis on the properties of phase diagrams. Starting with the basic principles, discussion moves to systems involving multiple phases. New chapters cover irreversible thermodynamics, extremum principles, and the thermodynamics of surfaces and interfaces. Theoretical descriptions of equilibrium conditions, the state of systems at equilibrium and the changes as equilibrium is reached, are all demonstrated graphically. With illustrative examples - many computer calculated - and worked examples, this textbook is a valuable resource for advanced undergraduates and graduate students in materials science and engineering.

Assembly Chris Cooper

When Lexus launched fifteen years ago, the idea of a Japanese brand that would compete fender to fender with Mercedes-Benz, BMW, and Cadillac seemed preposterous. But Lexus' first sedan shocked the world. The result of hundreds of prototypes, the work of more than 1,000 engineers, and some \$1 billion, the Lexus LS 400 pioneered new ground. Within just a few years, Lexus had transformed itself from an unlikely outsider into one of the industry's leaders as it redefined the idea of the luxury vehicle while also building a dealer network that gave unprecedented attention to service. The Lexus Story describes the brand's rapid ascent-and its travails along the way. The Lexus Story is the first journalistic telling of the history of this extraordinary company. And it is the only account afforded full access to the designers, engineers, dealers, and company leaders who molded the cars and the brand. The Lexus Story takes readers deep inside the making of first-class automobiles, from the creative sparks kindled in Lexus' far-flung design studios to the engineering refinements that translate ideals of performance and luxury into steel, glass, and rubber. Designed to be both readable and visually welcoming with more than 200 full-color photographs, The Lexus Story is a compelling history of a world-class brand.

Australian National Bibliography Springer Science & Business Media

The book on Sustainable Automotive Technologies aims to draw special attention to the research and practice focused on new technologies and approaches capable of meeting the challenges to sustainable mobility. In particular, the book features incremental and radical technical advancements that are able to meet social, economic and environmental targets in both local and global contexts. These include original solutions to the problems of pollution and congestion, vehicle and public safety, sustainable vehicle design and manufacture, new structures and materials, new power-train technologies and vehicle concepts. In addition to vehicle technologies, the book is also concerned with the broader systemic issues such as sustainable supply chain systems, integrated logistics and telematics, and end-of-life vehicle management. It captures selected peer reviewed papers accepted for presentation at the 4th International Conference on Sustainable Automotive Technologies, ICSAT2012, held at the RMIT, Melbourne, Australia.

Reducing Greenhouse Gas Emissions in Transport Routledge

This book is part true-crime novel, and part textbook. It was written specifically about surveillance, as conducted by private investigators. It's virtually an industry bible, and contains an incredible volume of highly detailed how-to techniques, for virtually every area of surveillance. It covers how to get information out of people under pretext, how to follow people on foot or by car. What to expect and even how to think as a PI, in order to get great results. The book covers everything including: Training courses and licensing Job preparation Conduct of surveillance operations Special techniques used by professionals Following on foot, car, bus, train, taxi Working in specialist areas (buildings, apartments, shopping centres etc) While an invaluable resource for any potential recruit to the PI industry, this book is also an excellent resource for experienced PI's as well. It lists a large number of web references and other details for information sources that can be used to track down elusive offenders. With almost 544 pages, this incredible encyclopaedic resource covers all the basic techniques, as well as some you have never thought of. How can a female PI urinate on a long vehicle stakeout? What web resource can be used to determine the likely gender of an obscure ethnic name which was listed in client intelligence? How do I identify someone? What role does human psychology play in surveillance operations? How can I find out if they are working? 10 pages explaining why and how things are seen, 10 issues to consider when parking a surveillance vehicle, 30 issues to consider in selecting a suitable surveillance vehicle, 9 methods to assist identification of an unknown unit number in a large block, . . .and much more Not only does this comprehensive training resource cover techniques, it is illustrated with a large number of real cases which Chris has conducted. These stories are an incredible

insight to the PI world, and are both entertaining and fascinating. Each story details real-life implementation of techniques described in the book.

Not Quite 30-Love e-artnow sro

How much crime is committed in Australia? What sort of crime, where and by whom? What can we do to stop it? This book deals in facts and dispels myths. Don Weatherburn, Director of the NSW Bureau of Crime Statistics and Research, shows how policies are driven by the political need to manage public reactions, not to control and prevent crime. Law and Order in Australia informs public debate about crime in Australia by contrasting popular assumptions about crime and crime control with what is actually known to be true. The opening chapter sets the scene by asking how serious Australia's crime problems are. Weatherburn then offers a critique of the way Australian governments attempt to deal with Australia's crime problems. This is followed by the foundations for a discussion of what actually works in crime prevention and control by highlighting some basic facts about crime and offenders. The final chapters discuss what the evidence reveals about crime prevention and control and the key issues in crime prevention and control in Australia. Weatherburn clearly provides numerous ideas for better policies, ones that will actually work.

The Laws of Brand Storytelling: Win—and Keep—Your Customers' Hearts and Minds National Library Australia

Volume One traces the history of Opel and Vauxhall separately from inception through to the 1970s and thereafter collectively to 2015. Special attention is devoted to examining innovative engineering features and the role Opel has taken of providing global platforms for GM. Each model is examined individually and supplemented by exhaustive supporting specification tables. The fascinating history of Saab and Lotus begins with their humble beginnings and examines each model in detail and looks at why these unusual marques came under the GM Banner. Included is a penetrating review of Saab through to its unfortunate demise. Volume Two examines unique models and variations of Chevrolet and Buick manufactured in the Southern Hemisphere and Asia but never offered in North America. Daewoo, Wuling and Baojun are other Asian brands covered in detail. This volume concludes with recording the remarkable early success of Holden and its continued independence through to today. Volume Three covers the smaller assembly operations around the world and the evolution of GM's export operations. A brief history of Isuzu, Subaru and Suzuki looks at the three minority interests GM held in Asia. The GM North American model specifications are the most comprehensive to be found in a single book. Global and regional sales statistics are included. GM executives and management from around the globe are listed with the roles they held. An index ensures that these volumes serve as the ideal reference source on GM.

Vehicle Safety 2002 Sally Bradfield

The Big Book of Tiny Cars presents entertaining profiles of automotive history's most famous—and infamous—microcars and subcompacts from 1901 to today. Illustrated with photos and period ads.