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Carolinian-English Dictionary

Princeton University Press
Provides a practical design
guide to the structural use of
aluminium. The first chapters
outline basic aluminium
technology and the advantages
of using aluminium in many
structural applications. The
major part of the book deals
with structural design and
presents very clear guidance
for designers, with numerous
diagrams, charts and examples.

On The Way Home 1 Dundurn

This book is the first technical overview of
autonomous vehicles written for a general
computing and engineering audience. The
authors share their practical experiences of

creating autonomous vehicle systems. These
systems are complex, consisting of three major
subsystems: (1) algorithms for localization,
perception, and planning and control; (2) client
systems, such as the robotics operating system and
hardware platform; and (3) the cloud platform,
which includes data storage, simulation, high-
definition (HD) mapping, and deep learning
model training. The algorithm subsystem extracts
meaningful information from sensor raw data to
understand its environment and make decisions
about its actions. The client subsystem integrates
these algorithms to meet real-time and reliability
requirements. The cloud platform provides offline
computing and storage capabilities for
autonomous vehicles. Using the cloud platform,
we are able to test new algorithms and update the
HD map—plus, train better recognition, tracking,
and decision models. This book consists of nine

chapters. Chapter 1 provides an overview of autonomous vehicle systems; Chapter 2 focuses on localization technologies; Chapter 3 discusses traditional techniques used for perception; Chapter 4 discusses deep learning based techniques for perception; Chapter 5 introduces the planning and control sub-system, especially prediction and routing technologies; Chapter 6 focuses on motion planning and feedback control of the planning and control subsystem; Chapter 7 introduces reinforcement learning-based planning and control; Chapter 8 delves into the details of client systems design; and Chapter 9 provides the details of cloud platforms for autonomous driving. This book should be useful to students, researchers, and practitioners alike. Whether you are an undergraduate or a graduate student interested in autonomous driving, you will find herein a comprehensive overview of the whole

autonomous vehicle technology stack. If you are an autonomous driving practitioner, the many practical techniques introduced in this book will be of interest to you. Researchers will also find plenty of references for an effective, deeper exploration of the various technologies.

Winning the Oil Endgame Earthscan
As the most popular and authoritative guide to recording Modern Recording Techniques provides everything you need to master the tools and day to day practice of music recording and production. From room acoustics and running a session to mic placement and designing a studio Modern Recording Techniques will give you a really good grounding in the theory and industry practice. Expanded to include the latest digital audio technology the 7th edition now

includes sections on podcasting, new surround sound formats and HD and audio. If you are just starting out or looking for a step up in industry, *Modern Recording Techniques* provides an in depth excellent read- the must have book

Noise and Military Service World Bank Publications

Fully updated and in line with latest specifications, this textbook integrates vehicle maintenance procedures, making it the indispensable first classroom and workshop text for all students of motor vehicle engineering, apprentices and keen amateurs. Its clear, logical approach, excellent illustrations and step-by-step development of theory and practice make this an accessible text for students of all abilities. With this book, students have information that they can trust because it

is written by an experienced practitioner and lecturer in this area. This book will provide not only the information required to understand automotive engines but also background information that allows readers to put this information into context. The book contains flowcharts, diagnostic case studies, detailed diagrams of how systems operate and overview descriptions of how systems work. All this on top of step-by-step instructions and quick reference tables. Readers won't get bored when working through this book with questions and answers that aid learning and revision included.

Biophysics Springer Science & Business Media

The internet has fundamentally transformed society in the past 25 years, yet existing theories of mass or interpersonal communication do not work well in

understanding a digital world. Nor has this understanding been helped by disciplinary specialization and a continual focus on the latest innovations. Ralph Schroeder takes a longer-term view, synthesizing perspectives and findings from various social science disciplines in four countries: the United States, Sweden, India and China. His comparison highlights, among other observations, that smartphones are in many respects more important than PC-based internet uses. Social Theory after the Internet focuses on everyday uses and effects of the internet, including information seeking and big data, and explains how the internet has gone beyond traditional media in, for example, enabling Donald Trump and Narendra Modi to come to power. Schroeder puts forward a sophisticated theory of the role of the internet, and how both technological and social forces shape its significance. He provides a sweeping and

penetrating study, theoretically ambitious and at the same time always empirically grounded. The book will be of great interest to students and scholars of digital media and society, the internet and politics, and the social implications of big data.

Automotive Transmissions DIANE Publishing

Our understanding of how the human brain performs mathematical calculations is far from complete, but in recent years there have been many exciting breakthroughs by scientists all over the world. Now, in *The Number Sense*, Stanislas Dehaene offers a fascinating look at this recent research, in an enlightening exploration of the mathematical mind. Dehaene begins with the eye-opening discovery that

animals--including rats, pigeons, raccoons, and chimpanzees--can perform simple mathematical calculations, and that human infants also have a rudimentary number sense. Dehaene suggests that this rudimentary number sense is as basic to the way the brain understands the world as our perception of color or of objects in space, and, like these other abilities, our number sense is wired into the brain. These are but a few of the wealth of fascinating observations contained here. We also discover, for example, that because Chinese names for numbers are so short, Chinese people can remember up to nine or ten digits at a time--English-speaking people can only remember seven. The book also explores the unique abilities of idiot savants and mathematical geniuses, and we meet people whose minute brain lesions render their mathematical ability useless. This new and completely updated edition includes all of the most recent scientific data on how numbers are encoded by single neurons, and which brain areas activate when we perform calculations. Perhaps most important, *The Number Sense* reaches many provocative conclusions that will intrigue anyone interested in learning, mathematics, or the mind. "A delight."
--Ian Stewart, *New Scientist* "Read *The Number Sense* for its rich insights into matters as varying as the cuneiform

depiction of numbers, why Jean Piaget's theory of stages in infant learning is wrong, and to discover the brain regions involved in the number sense." --The New York Times Book Review

"Dehaene weaves the latest technical research into a remarkably lucid and engrossing investigation. Even readers normally indifferent to mathematics will find themselves marveling at the wonder of minds making numbers." --Booklist
A Practical Approach to Motor Vehicle Engineering and Maintenance UCL Press

The purpose of the 'Microfinance Handbook' is to bring together in a single source guiding principles and tools that will promote sustainable

microfinance and create viable institutions.

Apollo's Warriors John Wiley & Sons
"The automotive maven and former Member of Parliament might be the most trusted man in Canada, an inverse relationship to the people he writes about." – The Globe and Mail
Lemon-Aid shows car and truck buyers how to pick the cheapest and most reliable vehicles from the past 30 years of auto production. This brand-new edition of the bestselling guide contains updated information on secret service bulletins that can save you money. Phil describes sales and service scams, lists which vehicles are factory goofs, and sets out the prices you should pay. As

Canada's automotive "Dr. Phil" for over 40 years, Edmonston pulls no punches. His Lemon-Aid is more potent and provocative than ever.

Low-speed Wind Tunnel Testing

Springer Nature

This text is written for an introductory course in fluid mechanics. Our approach to the subject emphasizes the physical concepts of fluid mechanics and methods of analysis that begin from basic principles. One primary objective of this text is to help users develop an orderly approach to problem solving. Thus, we always start from governing equations, state assumptions clearly, and try to relate mathematical results to corresponding physical behavior. We

emphasize the use of control volumes to maintain a practical problem-solving approach that is also theoretically inclusive

Operations Management in Automotive Industries Morgan & Claypool Publishers

This text provides a comprehensive and contemporary overview of surgical approaches to lesions of the posterior fossa. It will serve as a resource for neurosurgeons and otologists who treat patients with tumors and vascular diseases of the posterior fossa. It provides a concise review of surgical strategies that address the most important pathologies affecting the posterior fossa. It is richly illustrated with photographs and illustrations of the surgical strategies covered. All chapters are written by experts with world-wide recognition for their contributions in their respective subspecialty. Skull Base Surgery of

the Posterior Fossa will be of great utility to Neurosurgeons, Otolaryngologists, and Radiation Therapists with an interest in diseases that affect the posterior fossa, as well as Senior Residents in Neurosurgery and Otolaryngology, and Fellows of Skull Base Surgery and Otology.

Industrial Excellence Springer Nature
"A major contribution to the study of global events in times of global media. Owning the Olympics tests the possibilities and limits of the concept of 'media events' by analyzing the mega-event of the information age: the Beijing Olympics. . . . A good read from cover to cover." —Guobin Yang, Associate Professor, Asian/Middle Eastern Cultures & Sociology, Barnard College, Columbia University From the moment

they were announced, the Beijing Games were a major media event and the focus of intense scrutiny and speculation. In contrast to earlier such events, however, the Beijing Games are also unfolding in a newly volatile global media environment that is no longer monopolized by broadcast media. The dramatic expansion of media outlets and the growth of mobile communications technology have changed the nature of media events, making it significantly more difficult to regulate them or control their meaning. This volatility is reflected in the multiple, well-publicized controversies characterizing the run-up to Beijing 2008. According to many Western commentators, the People's

Republic of China seized the Olympics through which the Beijing Games will be as an opportunity to reinvent itself as the understood. digitalculturebooks is an "New China"---a global leader in imprint of the University of Michigan economics, technology, and Press and the Scholarly Publishing environmental issues, with an improving Office of the University of Michigan human-rights record. But China's Library dedicated to publishing maneuverings have also been hotly innovative and accessible work contested by diverse global voices, exploring new media and their impact on including prominent human-rights society, culture, and scholarly advocates, all seeking to displace the communication. Visit the website at official story of the Games. Bringing together a distinguished group of www.digitalculture.org. scholars from Chinese studies, human *Applied Corporate Finance* Springer rights, media studies, law, and other Science & Business Media fields, Owing the Olympics reveals how YouTube is one of the most well-known multiple entities---including the Chinese and widely discussed sites of participatory Communist Party itself---seek to media in the contemporary online influence and control the narratives environment, and it is the first genuinely mass-popular platform for user-created

video. In this timely and comprehensive introduction to how YouTube is being used and why it matters, Burgess and Green discuss the ways that it relates to wider transformations in culture, society and the economy. The book critically examines the public debates surrounding the site, demonstrating how it is central to struggles for authority and control in the new media environment. Drawing on a range of theoretical sources and empirical research, the authors discuss how YouTube is being used by the media industries, by audiences and amateur producers, and by particular communities of interest, and the ways in which these uses challenge existing ideas about cultural 'production' and 'consumption'. Rich with both concrete examples and featuring specially

commissioned chapters by Henry Jenkins and John Hartley, the book is essential reading for anyone interested in the contemporary and future implications of online media. It will be particularly valuable for students and scholars in media, communication and cultural studies.

YouTube Springer Science & Business Media

'An excellent introduction to the theoretical, methodological and practical issues of qualitative research... they deal with issues at all stages in a very direct, clear, systematic and practical manner and thus make the processes involved in qualitative research more transparent' - Nyhedsbrev 'This is a "how to" book on

qualitative methods written by people who do qualitative research for a living.... It is likely to become the standard manual on all graduate and undergraduate courses on qualitative methods' - Professor Robert Walker, School of Sociology and Social Policy, University of Nottingham

What exactly is qualitative research? What are the processes involved and what can it deliver as a mode of inquiry? Qualitative research is an exciting blend of scientific investigation and creative discovery. When properly executed, it can bring a unique understanding of people's lives which in turn can be used to deepen our understanding of society. It as a skilled craft used by practitioners and

researchers in the 'real world'; this textbook illuminates the possibilities of qualitative research and presents a sequential overview of the process written by those active in the field.

Qualitative Research Practice: - Leads the student or researcher through the entire process of qualitative research from beginning to end - moving through design, sampling, data collection, analysis and reporting. - Is written by practising researchers with extensive experience of conducting qualitative research in the arena of social and public policy - contains numerous case studies. - Contains plenty of pedagogical material including chapter summaries, explanation of key concepts, reflective

points for seminar discussion and further research and development. Its goal is to be reading in each chapter - Is structured a comprehensive, balanced, and and applicable for all courses in coordinated presentation of the field's key qualitative research, irrespective of field. principles, current practice, and future prospects. Drawn heavily on courses run by the Modern Recording Techniques seller. European law publ. The second edition of the Impact Evaluation in Practice handbook is a comprehensive and accessible introduction to impact evaluation for students new to qualitative research across the social sciences. The first published in 2011, it has been used widely across the development and academic communities. The book incorporates real-world examples to present practical guidelines for designing and implementing impact evaluations. Readers will gain an understanding of impact evaluations and the best ways to use them to design evidence-based policies and programs. The updated

Lemon-Aid Used Cars and Trucks
2010-2011 MIT Press

A recognizable surge in the field of Brain Computer Interface (BCI) research and development has emerged in the past two decades. This book is intended to provide an introduction to and summary of essentially all major aspects of BCI

version covers the newest techniques for evaluating programs and includes state-of-the-art implementation advice, as well as an expanded set of examples and case studies that draw on recent development challenges. It also includes new material on research ethics and partnerships to conduct impact evaluation. The handbook is divided into four sections: Part One discusses what to evaluate and why; Part Two presents the main impact evaluation methods; Part Three addresses how to manage impact evaluations; Part Four reviews impact evaluation sampling and data collection. Case studies illustrate different applications of impact evaluations. The book links to complementary instructional material available online, including an applied case as well as questions and answers. The updated second edition will be a valuable resource for the international development community, universities, and policy makers looking to build

better evidence around what works in development.

Vehicle Propulsion Systems Firewall Media

This guide is designed to assist all those who are responsible for providing or overseeing formal education or practical experience that forms part of the initial professional development of aspiring professional accountants, or the continuing professional development of professional accountants. It is particularly relevant to professional accountancy organizations. It is also intended for policy makers and regulators who determine which organizations are licensed to certify professional accountants and related

specializations, for example, audit professionals. The purpose of the guide is to • increase understanding of the gap between the current skills of many accountants in some regions and the skills that are relevant in increasingly digitized and globalized economies; • convey the essential features of Competency-Based Accounting Education, Training, and Certification (CBAETC); • provide a common reference framework for organizations pursuing CBAETC and the consultants working with them; • assist countries in developing in-country plans and implementing in-country processes that produce accountants with higher-order skills relevant to their economy's rapidly

evolving needs; and • improve financial reporting, auditing, and regulation. This guide complements and builds on International Education Standards (IES™) of the International Accounting Education Standards Board™ (IAESB™). *Qualitative Research Practice* Bloomsbury Publishing

There are currently two major theories about the role of the hippocampus, a distinctive structure in the back of the temporal lobe. One says that it stores a cognitive map, the other that it is a key locus for the temporary storage of episodic memories. A. David Redish takes the approach that understanding the role of the hippocampus in space will make it possible to address its role

in less easily quantifiable areas such as memory. Basing his investigation on the study of rodent navigation--one of the primary domains for understanding information processing in the brain--he places the hippocampus in its anatomical context as part of a greater functional system. Redish draws on the extensive experimental and theoretical work of the last 100 years to paint a coherent picture of rodent navigation. His presentation encompasses multiple levels of analysis, from single-unit recording results to behavioral tasks to computational modeling. From this foundation, he proposes a novel understanding of the role of the hippocampus in rodents that can shed

light on the role of the hippocampus in primates, explaining data from primate studies and human neurology. The book will be of interest not only to neuroscientists and psychologists, but also to researchers in computer science, robotics, artificial intelligence, and artificial life.

The Number Sense University of Hawaii Press

This book introduces readers to the theory, design and applications of automotive transmissions. It covers multiple categories, e.g. AT, AMT, CVT, DCT and transmissions for electric vehicles, each of which has its own configuration and characteristics. In turn, the book addresses the effective

design of transmission gear ratios, structures and control strategies, and other topics that will be of particular interest to graduate students, researchers and engineers. Moreover, it includes real-world solutions, simulation methods and testing procedures. Based on the author's extensive first-hand experience in the field, the book allows readers to gain a deeper understanding of vehicle transmissions.

The New Public Diplomacy CRC Press

What does "excellent manufacturing management" mean? Management texts to date have emphasized that it is, above methods such as SPC or TQM, a matter of "intangibles" and "culture". This book takes the myth out of

management excellence; it can be learned and practiced. First, manage the three core processes, strategy deployment, product and process development, and the supply chain. And secondly, pay attention to the dimension of management quality, direction setting, integration and delegation, communication, participation, measurement, and employee development. This book explains management quality and demonstrates how it is implemented, with ten plant tours through world-class factories from different industries.

Specifications and Drawings of Patents Issued from the United States Patent Office SAGE

The Institute of Medicine carried out a study (audiograms) at the beginning and end of military service for all military personnel and mandated by Congress and sponsored by the Department of Veterans Affairs to provide an assessment of several issues related to noise-induced hearing loss and tinnitus associated with service in the Armed Forces since World War II. The resulting book, *Noise and Military Service: Implications for Hearing Loss and Tinnitus*, presents findings on the presence of hazardous noise in military settings, levels of noise exposure necessary to cause hearing loss or tinnitus, risk factors for noise-induced hearing loss and tinnitus, the timing of the effects of noise exposure on hearing, and the adequacy of military hearing conservation programs and audiometric testing. The book stresses the importance of conducting hearing tests and recommends several steps aimed at improving the military services' prevention of and surveillance for hearing loss and tinnitus. The book also identifies research needs, emphasizing topics specifically related to military service.