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Forrest Mims Engineer's Notebook Forrest Mims 1992-08-15 The book features: carefully hand-drawn circuit illustrations hundreds of fully tested circuits tutorial on electronics basics tips on part substitutions, design modifications, and circuit operation All covering the following areas: Review of the Basics Digital Integrated Circuits MOS/CMOS Integrated Circuits TTL/LS Integrated Circuits Linear Integrated Circuits Index of Integrated Circuits Index of Circuit Applications

Diagramming the Big Idea Michael T. Swisher 2012-06-25 As a beginning design student, you need to learn to think like a designer, to visualize ideas and concepts, as well as objects. In the second edition of *Diagramming the Big Idea*, Jeffrey Balmer and Michael T. Swisher illustrate how you can create and use diagrams to clarify your understanding of both particular projects and organizing principles and ideas. With accessible, step-by-step exercises that interweave full color diagrams, drawings and virtual models, the authors clearly show you how to compose meaningful and useful diagrams. As you follow the development of the four project groups drawn from the authors' teaching, you will become familiar with architectural composition concepts such as proportion, site, form, hierarchy and spatial construction. In addition, description and demonstration essays extend concepts to show you more examples of the methods used in the projects. Whether preparing for a desk critique, or any time when a

fundamental insight can help to resolve a design problem, this new and expanded edition is your essential studio resource.

Creative Rationality and Innovation Joelle Forest 2018-01-03 This book urges us to be creative in our way of thinking about innovation. Adopting an artificial perspective, the author emphasizes creative rationality: a form of thought that encourages knowledge crossing and invites an adventurous transgression. The question of how such a form of thought might be developed is addressed through a detailed examination of the educational system. The book frees itself from many of the myths that surround innovation, including the predominance of what the author calls the linear and hierarchical model.

Run of the Red Queen Dan Breznitz 2011-01-01 Few observers are unimpressed by the economic ambition of China or by the nation's remarkable rate of growth. But what does the future hold? This meticulously researched book closely examines the strengths and weaknesses of the Chinese economic system to discover where the nation may be headed and what the Chinese experience reveals about emerging market economies. The authors find that contrary to popular belief, cutting edge innovation is not a prerequisite for sustained economic vitality--and that China is a perfect case in point.

The Care of Wounds Carol Dealey 2012-03-19 *The Care of Wounds* addresses all aspects of holistic wound management. The fourth edition of this successful clinical text continues to

reflect current research and evidence-based practice, while incorporating the considerable developments which have occurred in wound care practice since the previous edition. It includes chapters on the physiology of wound healing, general principles of wound management, wound management products, and the management of patients with both acute and chronic wounds. The title is an essential read for all nurses and healthcare professionals working in the field of tissue viability and wound healing. Comprehensive and clinically-oriented Examines best practice in wound management Incorporates national and international clinical guidelines where applicable Superbly illustrated with full colour throughout

Computer Networking Olivier Bonaventure 2016-06-10 Original textbook (c) October 31, 2011 by Olivier Bonaventure, is licensed under a Creative Commons Attribution (CC BY) license made possible by funding from The Saylor Foundation's Open Textbook Challenge in order to be incorporated into Saylor's collection of open courses available at: <http://www.saylor.org>. Free PDF 282 pages at <https://www.textbookequity.org/bonaventure-computer-networking-principles-protocols-and-practice/>

This open textbook aims to fill the gap between the open-source implementations and the open-source network specifications by providing a detailed but pedagogical description of the key principles that guide the operation of the Internet. 1 Preface 2 Introduction 3 The application Layer 4 The transport layer 5 The network layer 6 The datalink layer and the Local Area Networks 7 Glossary 8 Bibliography

Reflow Soldering Processes and

Troubleshooting Ning-Cheng Lee 2002-01 Focused on technological innovations in the field of electronics packaging and production, this book elucidates the changes in reflow soldering processes, its impact on defect mechanisms, and, accordingly, the troubleshooting techniques during these processes in a variety of board types. Geared toward electronics manufacturing process engineers, design engineers, as well as students in process engineering classes, Reflow Soldering Processes and Troubleshooting will be a strong contender in the continuing skill development market for manufacturing personnel. Written using a very practical, hands-

on approach, Reflow Soldering Processes and Troubleshooting provides the means for engineers to increase their understanding of the principles of soldering, flux, and solder paste technology. The author facilitates learning about other essential topics, such as area array packages--including BGA, CSP, and FC designs, bumping technique, assembly, and rework process--and provides an increased understanding of the reliability failure modes of soldered SMT components. With cost effectiveness foremost in mind, this book is designed to troubleshoot errors or problems before boards go into the manufacturing process, saving time and money on the front end. The author's vast expertise and knowledge ensure that coverage of topics is expertly researched, written, and organized to best meet the needs of manufacturing process engineers, students, practitioners, and anyone with a desire to learn more about reflow soldering processes. Comprehensive and indispensable, this book will prove a perfect training and reference tool that readers will find invaluable. Provides engineers the cutting-edge technology in a rapidly changing field Offers in-depth coverage of the principles of soldering, flux, solder paste technology, area array packages--including BGA, CSP, and FC designs, bumping technique, assembly, and the rework process

A Course in Classical Physics 3 — Electromagnetism Alessandro Bettini 2016-07-30 Focusing on electromagnetism, this third volume of a four-volume textbook covers the electric field under static conditions, constant electric currents and their laws, the magnetic field in a vacuum, electromagnetic induction, magnetic energy under static conditions, the magnetic properties of matter, and the unified description of electromagnetic phenomena provided by Maxwell's equations. The four-volume textbook as a whole covers electromagnetism, mechanics, fluids and thermodynamics, and waves and light, and is designed to reflect the typical syllabus during the first two years of a calculus-based university physics program. Throughout all four volumes, particular attention is paid to in-depth clarification of conceptual aspects, and to this end the historical roots of the principal concepts are traced. Emphasis is also consistently placed on the experimental basis of the concepts,

highlighting the experimental nature of physics. Whenever feasible at the elementary level, concepts relevant to more advanced courses in quantum mechanics and atomic, solid state, nuclear, and particle physics are included. The textbook offers an ideal resource for physics students, lecturers and, last but not least, all those seeking a deeper understanding of the experimental basics of physics.

Mongodb in Action Kyle Banker 2015-01-15 Application developers love MongoDB, a document-oriented NoSQL database, for its speed, flexibility, scalability, and ease of use. MongoDB is well-suited as a back-end for modern web applications. Its schema-free design encourages rapid application development, and built-in replication and auto-sharding architecture allow for massive parallel distribution. Production deployments at SourceForge, Foursquare, and Shutterfly demonstrate daily that MongoDB is up to real-world challenges. **MongoDB in Action, Second Edition** is a comprehensive guide to MongoDB version 2.6. It begins with a general overview of current database systems, explaining what makes MongoDB unique and describing its ideal use cases. Then, a series of tutorials lead into detailed examples for leveraging MongoDB in e-commerce, social networking, and other common applications. A reference section on schema design patterns helps ease the transition from the relational data model of SQL to MongoDB's document-based data model. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Broadband Powerline Communications Halid Hrasnica 2005-01-14 **Broadband Powerline Communications: Network Design** covers the applications of broadband PLC systems in low-voltage supply networks, a promising candidate for the realization of cost effective solutions for "last mile" communications networks. There are many activities surrounding the development and application of PLC technology in the access area, particularly because of strong interest of new network providers after the deregulation of telecommunications market. Nowadays, there are no existing standards for broadband PLC networks, which use a frequency range up to 30

MHz. This book includes relevant and timely information regarding broadband PLC systems and especially PLC access networks and contributions to the design aspects of broadband PLC access systems and their network components. This book: Offers explanations on how broadband PLC networks are realized, what the important characteristics for the transmission on electrical power grids are, and which implementation solutions have been recently considered for the realization of broadband PLC systems. Considers various system realizations, disturbance scenarios and their impact the transmission in PLC networks, electro-magnetic compatibility, applied modulation schemes, coding, and error handling methods. Pays particular attention to the specifics of the PLC MAC layer and its protocols, as well as the modelling and performance evaluation of broadband PLC networks.

Linux Bible Christopher Negus 2012-09-07 More than 50 percent new and revised content for today's Linux environment gets you up and running in no time! Linux continues to be an excellent, low-cost alternative to expensive operating systems. Whether you're new to Linux or need a reliable update and reference, this is an excellent resource. Veteran bestselling author Christopher Negus provides a complete tutorial packed with major updates, revisions, and hands-on exercises so that you can confidently start using Linux today. Offers a complete restructure, complete with exercises, to make the book a better learning tool Places a strong focus on the Linux command line tools and can be used with all distributions and versions of Linux Features in-depth coverage of the tools that a power user and a Linux administrator need to get started This practical learning tool is ideal for anyone eager to set up a new Linux desktop system at home or curious to learn how to manage Linux server systems at work.

Mastering Parallel Programming with R Simon R. Chapple 2016-05-31 Master the robust features of R parallel programming to accelerate your data science computations About This Book Create R programs that exploit the computational capability of your cloud platforms and computers to the fullest Become an expert in writing the most efficient and highest

performance parallel algorithms in R Get to grips with the concept of parallelism to accelerate your existing R programs Who This Book Is For This book is for R programmers who want to step beyond its inherent single-threaded and restricted memory limitations and learn how to implement highly accelerated and scalable algorithms that are a necessity for the performant processing of Big Data. No previous knowledge of parallelism is required. This book also provides for the more advanced technical programmer seeking to go beyond high level parallel frameworks. What You Will Learn Create and structure efficient load-balanced parallel computation in R, using R's built-in parallel package Deploy and utilize cloud-based parallel infrastructure from R, including launching a distributed computation on Hadoop running on Amazon Web Services (AWS) Get accustomed to parallel efficiency, and apply simple techniques to benchmark, measure speed and target improvement in your own code Develop complex parallel processing algorithms with the standard Message Passing Interface (MPI) using RMPI, pbdMPI, and SPRINT packages Build and extend a parallel R package (SPRINT) with your own MPI-based routines Implement accelerated numerical functions in R utilizing the vector processing capability of your Graphics Processing Unit (GPU) with OpenCL Understand parallel programming pitfalls, such as deadlock and numerical instability, and the approaches to handle and avoid them Build a task farm master-worker, spatial grid, and hybrid parallel R programs In Detail R is one of the most popular programming languages used in data science. Applying R to big data and complex analytic tasks requires the harnessing of scalable compute resources. Mastering Parallel Programming with R presents a comprehensive and practical treatise on how to build highly scalable and efficient algorithms in R. It will teach you a variety of parallelization techniques, from simple use of R's built-in parallel package versions of lapply(), to high-level AWS cloud-based Hadoop and Apache Spark frameworks. It will also teach you low level scalable parallel programming using RMPI and pbdMPI for message passing, applicable to clusters and supercomputers, and how to exploit thousand-fold simple processor GPUs through

ROpenCL. By the end of the book, you will understand the factors that influence parallel efficiency, including assessing code performance and implementing load balancing; pitfalls to avoid, including deadlock and numerical instability issues; how to structure your code and data for the most appropriate type of parallelism for your problem domain; and how to extract the maximum performance from your R code running on a variety of computer systems. Style and approach This book leads you chapter by chapter from the easy to more complex forms of parallelism. The author's insights are presented through clear practical examples applied to a range of different problems, with comprehensive reference information for each of the R packages employed. The book can be read from start to finish, or by dipping in chapter by chapter, as each chapter describes a specific parallel approach and technology, so can be read as a standalone.

The Hundred-page Machine Learning Book

Andriy Burkov 2019 Provides a practical guide to get started and execute on machine learning within a few days without necessarily knowing much about machine learning. The first five chapters are enough to get you started and the next few chapters provide you a good feel of more advanced topics to pursue.

Expert Oracle Application Express John Scott 2011-08-04 Expert Oracle Application Express brings you groundbreaking insights into developing with Oracle's enterprise-level, rapid-development tool from some of the best practitioners in the field today. Oracle Application Express (APEX) is an entirely web-based development framework that is built into every edition of Oracle Database. The framework rests upon Oracle's powerful PL/SQL language, enabling power users and developers to rapidly develop applications that easily scale to hundreds, even thousands of concurrent users. The 13 authors of Expert Oracle Application Express build their careers around APEX. They know what it takes to make the product sing—developing secure applications that can be deployed globally to users inside and outside a large enterprise. The authors come together in this book to share some of their deepest and most powerful insights into solving the difficult problems surrounding scalability, globalization,

configuration and lifecycle management, and more. You'll learn about debugging and performance, deep secrets to customizing your application user interface, how to secure applications from intrusion, and about deploying globally in multiple languages. Expert Oracle Application Express is truly a book that will move you and your skillset a big step towards the apex of Application Express development. Presents best-practices and development insights from leading experts in the field Addresses globalization, scalability, security, and other concerns of enterprise-level development Shows how to customize APEX for your own application needs

Head First Data Analysis Michael Milton

2009-07-24 A guide for data managers and analyzers shares guidelines for identifying patterns, predicting future outcomes, and presenting findings to others; drawing on current research in cognitive science and learning theory while covering such additional topics as assessing data quality, handling ambiguous information, and organizing data within market groups. Original.

Network Security, Firewalls and VPNs J.

Michael Stewart 2013-07-15 PART OF THE NEW JONES & BARTLETT LEARNING

INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Fully revised and updated with the latest data from the field, Network Security, Firewalls, and VPNs, Second Edition provides a unique, in-depth look at the major business challenges and threats that are introduced when an organization's network is connected to the public Internet. Written by an industry expert, this book provides a comprehensive explanation of network security basics, including how hackers access online networks and the use of Firewalls and VPNs to provide security countermeasures. Using examples and exercises, this book incorporates hands-on activities to prepare the reader to disarm threats and prepare for emerging technologies and future attacks. Key Features: - Introduces the basics of network security exploring the details of firewall security and how VPNs operate -Illustrates how to plan proper network security to combat hackers and outside threats -Discusses firewall configuration and deployment and managing firewall security -

Identifies how to secure local and internet communications with a VPN Instructor Materials for Network Security, Firewalls, VPNs include: PowerPoint Lecture Slides Exam Questions Case Scenarios/Handouts About the Series This book is part of the Information Systems Security and Assurance Series from Jones and Bartlett Learning. Designed for courses and curriculums in IT Security, Cybersecurity, Information Assurance, and Information Systems Security, this series features a comprehensive, consistent treatment of the most current thinking and trends in this critical subject area. These titles deliver fundamental information-security principles packed with real-world applications and examples. Authored by Certified Information Systems Security Professionals (CISSPs), they deliver comprehensive information on all aspects of information security. Reviewed word for word by leading technical experts in the field, these books are not just current, but forward-thinking putting you in the position to solve the cybersecurity challenges not just of today, but of tomorrow, as well."

Head First Rails David Griffiths 2013-05-23

Ready to transport your web applications into the Web 2.0 era? Head First Rails takes your programming -- and productivity -- to the max. You'll learn everything from the fundamentals of Rails scaffolding to building customized interactive web apps using Rails' rich set of tools and the MVC framework. By the time you're finished, you'll have learned more than just another web framework. You'll master database interactions, integration with Ajax and XML, rich content, and even dynamic graphing of your data -- all in a fraction of the time it takes to build the same apps with Java, PHP, ASP.NET, or Perl. You'll even get comfortable and familiar with Ruby, the language that underpins Rails. But you'll do it in the context of web programming, and not through boring exercises such as "Hello, World!" Your time is way too valuable to waste struggling with new concepts. Using the latest research in cognitive science and learning theory to craft a multi-sensory learning experience, Head First Rails uses a visually rich format designed to take advantage of the way your brain really works.

Mobile Terminal Receiver Design Sajal

Kumar Das 2017-05-01 Combines in one volume

the basics of evolving radio access technologies and their implementation in mobile phones
Reviews the evolution of radio access technologies (RAT) used in mobile phones and then focuses on the technologies needed to implement the LTE (Long term evolution) capability Coverage includes the architectural aspects of the RF and digital baseband parts before dealing in more detail with some of the hardware implementation Unique coverage of design parameters and operation details for LTE-A phone transceiver Discusses design of multi-RAT Mobile with the consideration of cost and form factors Provides in one book a review of the evolution of radio access technologies and a good overview of LTE and its implementation in a handset Unveils the concepts and research updates of 5G technologies and the internal hardware and software of a 5G phone

Mentor Myth Debby Carreau 2016-11-03

Mentors are over-utilized, under-trained and, as studies show, under-deliver. From an employer's perspective, assigning a mentor is often a band-aid to a larger problem. From an employee's perspective, a lack of formal mentorship is seen as a serious, career-inhibiting problem, the equivalent of sailing a boat without a rudder. In *The Mentor Myth*, Debby Carreau represents this dichotomy, explaining that while a mentor's counsel can be invaluable, it is not the silver bullet human resources professionals often purport it to be. The opinions of a mentor are one data point, one piece in the much more complex game of navigating a career. In fact, the increasing overreliance on mentorship can actually be a hindrance to a successful career. Instead of continually looking outward for career guidance, aspiring professionals must realize that they possess all the tools necessary to take control of their own careers by using their own strengths, capabilities, and visions of success. Through her years of experience consulting, speaking, and writing about career development, Debby has created a comprehensive, easy-to-implement guide for taking ownership of your professional success. Debby begins by helping the reader create a professional roadmap, including how to build a personal brand, project the right amount of confidence, and manage time. She addresses mentors in the context of networks and sponsors, advising the reader how

to incorporate outward influences rather than be defined by them.

Museum Management and Marketing

Richard Sandell 2007-04-11 Drawing together a selection of high quality, intellectually robust and stimulating articles on both theoretical and practice-based developments in the field, this Reader investigates the closely linked areas of management and marketing in the museum. The articles, from established and world-renowned contributors, practitioners and writers at the leading edge of their fields, deal with the museum context of management and how marketing and management practices must take account of the specifics of the museum and the not-for-profit ethos. Key writings from broader literature are included, and the collection of key writings on the investigation and study of management and marketing in the museum are of great benefit not only to those studying the subject, but also to professionals working and developing within the field.

[An Integrated Approach to Software Engineering](#)

Pankaj Jalote 2013-06-29 It is clear that the development of large software systems is an extremely complex activity, which is full of various opportunities to introduce errors. Software engineering is the discipline that provides methods to handle this complexity and enables us to produce reliable software systems with maximum productivity. *An Integrated Approach to Software Engineering* is different from other approaches because the various topics are not covered in isolation. A running case study is employed throughout the book, illustrating the different activity of software development on a single project. This work is important and instructive because it not only teaches the principles of software engineering, but also applies them to a software development project such that all aspects of development can be clearly seen on a project.

Aircraft Digital Electronic and Computer Systems Michael H. Tooley 2007 'Aircraft Digital Electronic and Computer Systems' provides an introduction to the principles of this subject. It is written for anyone pursuing a career in aircraft maintenance engineering or a related aerospace engineering discipline.

Internet of Things with Arduino Cookbook Marco Schwartz 2016-09-30 Over 60 recipes will help

you build smart IoT solutions and surprise yourself with captivating IoT projects you thought only existed in Bond movies About This Book This book offers key solutions and advice to address the hiccups faced when working on Arduino-based IoT projects in the real world Take your existing skills and capabilities to the next level by building challenging IoT applications with ease. Be the tech disruptor you always wanted to be with key recipes that help you solve Arduino IoT related problems smarter and faster. Put IoT to work through recipes on building Arduino-based devices that take control of your home, health, and life! Who This Book Is For This book is primarily for tech enthusiasts and early IoT adopters who would like to make the most of IoT and address the challenges encountered while developing IoT-based applications with Arduino. This book is also good for developers with basic electronics knowledge who need help to successfully build Arduino projects. What You Will Learn Monitor several Arduino boards simultaneously Tweet sensor data directly from your Arduino board Post updates on your Facebook wall directly from your Arduino board Create an automated access control with a fingerprint sensor Control your entire home from a single dashboard Make a GPS tracker that you can track in Google Maps Build a live camera that streams directly from your robot In Detail Arduino is a powerful and very versatile platform used by millions of people around the world to create DIY electronics projects. It can be connected to a wide variety of sensors and other components, making it the ideal platform to build amazing Internet of Things (IoT) projects on—the next wave in the era of computing. This book takes a recipe-based approach, giving you precise examples on how to build IoT projects of all types using the Arduino platform. You will come across projects from several fields, including the popular robotics and home automation domains. Along with being introduced to several forms of interactions within IoT, including projects that directly interact with well-known web services such as Twitter, Facebook, and Dropbox we will also focus on Machine-to-Machine (M2M) interactions, where Arduino projects interact without any human intervention. You will learn to build a few quick and easy-to-make fun

projects that will really expand your horizons in the world of IoT and Arduino. Each chapter ends with a troubleshooting recipe that will help you overcome any problems faced while building these projects. By the end of this book, you will not only know how to build these projects, but also have the skills necessary to build your own IoT projects in the future. Style and approach This book takes a recipe-based approach, giving you precise examples on how to build IoT projects using the Arduino platform. You will learn to build fun and easy projects through a task-oriented approach.

Strategic Management Forest R. David 2014-07-16 For undergraduate and graduate courses in strategy. In today's economy, gaining and sustaining a competitive advantage is harder than ever. *Strategic Management* captures the complexity of the current business environment and delivers the latest skills and concepts with unrivaled clarity, helping students develop their own cutting-edge strategy through skill-developing exercises. The Fifteenth Edition has been thoroughly updated and revised with current research and concepts. This edition includes 29 new cases and end-of- chapter material, including added exercises and review questions. MyManagementLab for Strategic Management is a total learning package. MyManagementLab is an online homework, tutorial, and assessment program that truly engages students in learning. It helps students better prepare for class, quizzes, and exams—resulting in better performance in the course—and provides educators a dynamic set of tools for gauging individual and class progress.

The Oxford Handbook of American Bureaucracy Robert F. Durant 2012-08-02 One of the major dilemmas facing the administrative state in the United States today is discerning how best to harness for public purposes the dynamism of markets, the passion and commitment of nonprofit and volunteer organizations, and the public-interest-oriented expertise of the career civil service. Researchers across a variety of disciplines, fields, and subfields have independently investigated aspects of the formidable challenges, choices, and opportunities this dilemma poses for governance, democratic constitutionalism, and theory building. This literature is vast, affords

multiple and conflicting perspectives, is methodologically diverse, and is fragmented. The Oxford Handbook of American Bureaucracy affords readers an uncommon overview and integration of this eclectic body of knowledge as adduced by many of its most respected researchers. Each of the chapters identifies major issues and trends, critically takes stock of the state of knowledge, and ponders where future research is most promising.

Unprecedented in scope, methodological diversity, scholarly viewpoint, and substantive integration, this volume is invaluable for assessing where the study of American bureaucracy stands at the end of the first decade of the 21st century, and where leading scholars think it should go in the future. The Oxford Handbooks of American Politics are a set of reference books offering authoritative and engaging critical overviews of the state of scholarship on American politics. Each volume focuses on a particular aspect of the field. The project is under the General Editorship of George C. Edwards III, and distinguished specialists in their respective fields edit each volume. The Handbooks aim not just to report on the discipline, but also to shape it as scholars critically assess the scholarship on a topic and propose directions in which it needs to move. The series is an indispensable reference for anyone working in American politics. General Editor for The Oxford Handbooks of American Politics: George C. Edwards III

Cities as Sustainable Ecosystems Peter Newman 2012-09-26 Modern city dwellers are largely detached from the environmental effects of their daily lives. The sources of the water they drink, the food they eat, and the energy they consume are all but invisible, often coming from other continents, and their waste ends up in places beyond their city boundaries. *Cities as Sustainable Ecosystems* shows how cities and their residents can begin to reintegrate into their bioregional environment, and how cities themselves can be planned with nature's organizing principles in mind. Taking cues from living systems for sustainability strategies, Newman and Jennings reassess urban design by exploring flows of energy, materials, and information, along with the interactions between human and non-human parts of the system.

Drawing on examples from all corners of the world, the authors explore natural patterns and processes that cities can emulate in order to move toward sustainability. Some cities have adopted simple strategies such as harvesting rainwater, greening roofs, and producing renewable energy. Others have created biodiversity parks for endangered species, community gardens that support a connection to their foodshed, and pedestrian-friendly spaces that encourage walking and cycling. A powerful model for urban redevelopment, *Cities as Sustainable Ecosystems* describes aspects of urban ecosystems from the visioning process to achieving economic security to fostering a sense of place.

Day Trading For Canadians For Dummies Bryan Borzykowski 2020-11-10 Purchase the power to trade smart Knowledge is power in any endeavor, and in the quick-action world of day trading—with roller-coaster markets, trade wars, and new tax laws inflating both opportunity and risk—being expertly informed is what gives you the power to trade fast with a cool head. The fully updated new edition of *Day Trading For Canadians For Dummies*—the first in almost a decade—gives you that knowledge, taking you from the basic machinery of short-term markets to building and sticking to a plan of action that keeps your bottom line sitting pretty. In an easy-to-follow, no-jargon style, award-winning business journalist Bryan Borzykowski provides a complete course in day trading. He covers the basics—such as raising capital and protecting one's principal investments—as well as specialized skills and knowledge, including risk-management strategies and ways to keep your emotions in check when you're plugged into an overheating market. You'll also find sample trading plans and important Canada-specific information, such as the best online brokerage firms, useful local resources, and an overview of the unique tax issues faced by Canadian traders. Evaluate strategy and performance Read market indicators Know your crypto Get your options For day traders, every second counts: With the help of *Day Trading For Canadians For Dummies*, you'll know where you want to be and how to get there—and how best to profit—fast. [Head First PHP & MySQL](#) Lynn Beighley 2008-12-22 With this book, Web designers who

usually turn out static Websites with HTML and CSS can make the leap to the next level of Web development--full-fledged, dynamic, database-driven Websites using PHP and SQL.

Big Farms Make Big Flu Rob Wallace

2016-06-30 Thanks to breakthroughs in production and food science, agribusiness has been able to devise new ways to grow more food and get it more places more quickly. There is no shortage of news items on hundreds of thousands of hybrid poultry - each animal genetically identical to the next - packed together in megabarns, grown out in a matter of months, then slaughtered, processed and shipped to the other side of the globe. Less well known are the deadly pathogens mutating in, and emerging out of, these specialized agro-environments. In fact, many of the most dangerous new diseases in humans can be traced back to such food systems, among them Campylobacter, Nipah virus, Q fever, hepatitis E, and a variety of novel influenza variants. Agribusiness has known for decades that packing thousands of birds or livestock together results in a monoculture that selects for such disease. But market economics doesn't punish the companies for growing Big Flu - it punishes animals, the environment, consumers, and contract farmers. Alongside growing profits, diseases are permitted to emerge, evolve, and spread with little check. "That is," writes evolutionary biologist Rob Wallace, "it pays to produce a pathogen that could kill a billion people." In Big Farms Make Big Flu, a collection of dispatches by turns harrowing and thought-provoking, Wallace tracks the ways influenza and other pathogens emerge from an agriculture controlled by multinational corporations. Wallace details, with a precise and radical wit, the latest in the science of agricultural epidemiology, while at the same time juxtaposing ghastly phenomena such as attempts at producing featherless chickens, microbial time travel, and neoliberal Ebola. Wallace also offers sensible alternatives to lethal agribusiness. Some, such as farming cooperatives, integrated pathogen management, and mixed crop-livestock systems, are already in practice off the agribusiness grid. While many books cover facets of food or outbreaks, Wallace's collection appears the first to explore

infectious disease, agriculture, economics and the nature of science together. Big Farms Make Big Flu integrates the political economies of disease and science to derive a new understanding of the evolution of infections. Highly capitalized agriculture may be farming pathogens as much as chickens or corn.

Mindshift Barbara Oakley, PhD 2017-04-18

Mindshift reveals how we can overcome stereotypes and preconceived ideas about what is possible for us to learn and become. At a time when we are constantly being asked to retrain and reinvent ourselves to adapt to new technologies and changing industries, this book shows us how we can uncover and develop talents we didn't realize we had--no matter what our age or background. We're often told to "follow our passions." But in Mindshift, Dr. Barbara Oakley shows us how we can broaden our passions. Drawing on the latest neuroscientific insights, Dr. Oakley shepherds us past simplistic ideas of "aptitude" and "ability," which provide only a snapshot of who we are now--with little consideration about how we can change. Even seemingly "bad" traits, such as a poor memory, come with hidden advantages--like increased creativity. Profiling people from around the world who have overcome learning limitations of all kinds, Dr. Oakley shows us how we can turn perceived weaknesses, such as impostor syndrome and advancing age, into strengths. People may feel like they're at a disadvantage if they pursue a new field later in life; yet those who change careers can be fertile cross-pollinators: They bring valuable insights from one discipline to another. Dr. Oakley teaches us strategies for learning that are backed by neuroscience so that we can realize the joy and benefits of a learning lifestyle. Mindshift takes us deep inside the world of how people change and grow. Our biggest stumbling blocks can be our own preconceptions, but with the right mental insights, we can tap into hidden potential and create new opportunities.

Contextualizing Translation Theories Ali

Almanna 2015-09-10 Contextualizing Translation Theories: Aspects of Arabic-English Interlingual Communication provides critical readings of available strategies of translating, ranging from the familiar concept of equivalence, to strategies

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of modulation, domestication, foreignization and mores of translation. As such, this volume demonstrates to the reader the pros and cons of each of these strategies within a theoretical context that is augmented by translational tasks and examples, most derived from actual textual data.

Essentials of Macroeconomics

Modern Control Technology Christopher T. Kilian 2001 Thoroughly updated, this edition features new material on decibels, levers, friction, clutches and brakes, tooth rotor tachometers, vision sensors, dynamic braking of DC motors, linear motors, and flux vector AC drives. Also included is new information on popular PIC and BASIC Stamp microcontrollers, plus expanded coverage of brushless DC motors and networking used in control systems."--BOOK JACKET.

Bobbi Brown Makeup Manual Bobbi Brown 2008-12-01 This is the book that Bobbi Brown's fans have been waiting for: her 25-plus years of makeup styling experience distilled into one complete, gorgeous book. Bobbi looks at everything from skincare basics to every aspect of facial makeup--from how to find the right color and type of foundation for any skin tone to how to apply every detail of eye makeup (Brows, Eye Liner, Eye Shadow, and Eye Lashes) no matter your eye color and shape. Of course there are never-before-seen tips on blush, bronzer, lip liners, lipstick, etc. And Bobbi looks beyond the face with informative chapters on "Hands and Feet" and "Body Skin Care." Each chapter has thorough step-by-step basic directions for makeup application and easy-to-follow photographs and line drawings, along with Bobbi's expert, yet assuring, advice. Plus, there's a groundbreaking section of the book that will be of special interest to women who've wanted to know how makeup stylists do what they do: the top beauty secrets only these artists know, essential equipment to keep on hand, how to break into the business, and how to work with photographers and celebrities. Breathtaking photos of the finished faces--from everyday looks to exotic runway style--along with advice on putting it all together for every woman, make this a book like no other. BOBBI BROWN'S MAKEUP MANUAL will be the only book any woman will need to look absolutely fabulous.

Introduction to Machine Learning Ethem Alpaydin 2014-08-29 The goal of machine learning is to program computers to use example data or past experience to solve a given problem. Many successful applications of machine learning exist already, including systems that analyze past sales data to predict customer behavior, optimize robot behavior so that a task can be completed using minimum resources, and extract knowledge from bioinformatics data. *Introduction to Machine Learning* is a comprehensive textbook on the subject, covering a broad array of topics not usually included in introductory machine learning texts. Subjects include supervised learning; Bayesian decision theory; parametric, semi-parametric, and nonparametric methods; multivariate analysis; hidden Markov models; reinforcement learning; kernel machines; graphical models; Bayesian estimation; and statistical testing. Machine learning is rapidly becoming a skill that computer science students must master before graduation. The third edition of *Introduction to Machine Learning* reflects this shift, with added support for beginners, including selected solutions for exercises and additional example data sets (with code available online). Other substantial changes include discussions of outlier detection; ranking algorithms for perceptrons and support vector machines; matrix decomposition and spectral methods; distance estimation; new kernel algorithms; deep learning in multilayered perceptrons; and the nonparametric approach to Bayesian methods. All learning algorithms are explained so that students can easily move from the equations in the book to a computer program. The book can be used by both advanced undergraduates and graduate students. It will also be of interest to professionals who are concerned with the application of machine learning methods.

Learning Pentaho CTools Miguel Gaspar 2016-05-31 Acquire finesse with CTools features and build rich and custom analytics solutions using Pentaho About This Book Learn everything you need to know to make the most of CTools Create interactive and remarkable dashboards using the CTools Understand how to use and create data visualizations that can make the difference The author of our book works for

Pentaho as a Senior Consultant Acts as a follow-up to Packt's previously published products on Pentaho such as Pentaho Business Analytics Cookbook, Pentaho Analytics for MongoDB, Pentaho Data Integration Cookbook - Second Edition, and Pentaho Reporting [Video] Our book is based on the latest version of Pentaho, that is, 6.0 Who This Book Is For If you are a CTools developer and would like to expand your knowledge and create attractive dashboards and frameworks, this book is the go-to-guide for you. A basic knowledge of JavaScript and Cascading Style Sheets (CSS) is highly recommended. What You Will Learn Install Community Tools on Pentaho; and understand the necessary concepts and considerations when creating an exciting dashboard design Get data from many different Pentaho datasources and deliver it in different formats (CSV, XLS, XML, or JSON) Use the Community Data Access (CDA) as the data abstraction layer and understand the concepts in the Community Dashboard Framework (CDF) Create a Community Dashboard Editor (CDE) dashboard and make the most of the main components Create and make use of widgets and use duplicate components to have data-driven sections on the dashboard Customize and create interaction between all components, including charts, using the Community Charts Components Create and embed dashboards in a better and new way Create plugins and make use of parameters inside Pentaho without writing code In Detail Pentaho and CTools are two of the fastest and most rapidly growing tools for practical solutions not found in any other tool available on the market. Using Pentaho allows you to build a complete analytics solution, and CTools brings an advanced flexibility to customizing them in a remarkable way. CTools provides its users with the ability to utilize Web technologies and data visualization concepts, and make the most of best practices to create a huge visual impact. The book starts with the basics of the framework and how to get data to your dashboards. We'll take you all the way through to create your custom and advanced dashboards that will create an effective visual impact and provide the best user experience. You will be given deep insights into the lifecycle of dashboards and the working of various components. Further, you will create a custom

dashboard using the Community Dashboards Editor and use datasources to load data on the components. You will also create custom content using Query, the Freeform Addins Popup, and text components. Next, you will make use of widgets to create similar sections and duplicate components to reproduce other components on a dashboard. You will then learn to build a plugin without writing Java code, use Sparkl as a CPK plugin manager, and understand the application of deployment and version control to dashboard development. Finally, you will learn tips and tricks that can be very useful while embedding dashboards into other applications. This guide is an invaluable tutorial if you are planning to use custom and advanced dashboards among the solutions that you are building with Pentaho. Style and approach This book is a pragmatic, easy-to-follow guide that provides theoretical concepts, ideas, and tricks to better understand the necessary theoretical concepts. It also provides you with a set of highly intriguing samples of dashboards with customized code within them that can be utilized for future projects.

Designing Embedded Hardware John Catsoulis 2005-05-16 Embedded computer systems literally surround us: they're in our cell phones, PDAs, cars, TVs, refrigerators, heating systems, and more. In fact, embedded systems are one of the most rapidly growing segments of the computer industry today. Along with the growing list of devices for which embedded computer systems are appropriate, interest is growing among programmers, hobbyists, and engineers of all types in how to design and build devices of their own. Furthermore, the knowledge offered by this book into the fundamentals of these computer systems can benefit anyone who has to evaluate and apply the systems. The second edition of Designing Embedded Hardware has been updated to include information on the latest generation of processors and microcontrollers, including the new MAXQ processor. If you're new to this and don't know what a MAXQ is, don't worry--the book spells out the basics of embedded design for beginners while providing material useful for advanced systems designers. Designing Embedded Hardware steers a course between those books dedicated to writing code for

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particular microprocessors, and those that stress the philosophy of embedded system design without providing any practical information. Having designed 40 embedded computer systems of his own, author John Catsoulis brings a wealth of real-world experience to show readers how to design and create entirely new embedded devices and computerized gadgets, as well as how to customize and extend off-the-shelf systems. Loaded with real examples, this book also provides a roadmap to the pitfalls and traps to avoid. Designing Embedded Hardware includes: The theory and practice of embedded systems Understanding schematics and data sheets Powering an embedded system Producing and debugging an embedded system Processors such as the PIC, Atmel AVR, and Motorola 68000-series Digital Signal Processing (DSP) architectures Protocols (SPI and I2C) used to add peripherals RS-232C, RS-422, infrared communication, and USB CAN and Ethernet networking Pulse Width Monitoring and motor control If you want to build your own embedded system, or tweak an existing one, this invaluable book gives you the understanding and practical skills you need.

Schaum's Outline of Structural Steel Design

Abraham J. Rokach 1991 A revision guide for students of structural engineering aiming to provide a succinct description of the key features of structural steel design using LRFD. Among topics discussed are tension members, columns and other compression members, beam-columns, torsion and design considerations.

Oracle 12c: SQL Joan Casteel 2015-09-08

Introduce the latest version of the fundamental SQL language used in all relational databases today with Casteel's ORACLE 12C: SQL, 3E. Much more than a study guide, this edition helps those who have only a basic knowledge of databases master the latest SQL and Oracle concepts and techniques. Learners gain a strong understanding of how to use Oracle 12c SQL most effectively as they prepare for the first exam in the Oracle Database Administrator or Oracle Developer Certification Exam paths. This edition initially focuses on creating database objects, including tables, constraints, indexes, sequences, and more. The author then explores

data query techniques, such as row filtering, joins, single-row functions, aggregate functions, subqueries, and views, as well as advanced query topics. ORACLE 12C: SQL, 3E introduces the latest features and enhancements in 12c, from enhanced data types and invisible columns to new CROSS and OUTER APPLY methods for joins. To help readers transition to further studies, appendixes introduce SQL tuning, compare Oracle's SQL syntax with other databases, and overview Oracle connection interface tools: SQL Developer and SQL Plus. Readers can trust ORACLE 12C: SQL, 3E to provide the knowledge for Oracle certification testing and the solid foundation for pursuing a career as a successful database administrator or developer. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Cyber-security of SCADA and Other

Industrial Control Systems Edward J. M.

Colbert 2016-08-23 This book provides a comprehensive overview of the fundamental security of Industrial Control Systems (ICSs), including Supervisory Control and Data Acquisition (SCADA) systems and touching on cyber-physical systems in general. Careful attention is given to providing the reader with clear and comprehensive background and reference material for each topic pertinent to ICS security. This book offers answers to such questions as: Which specific operating and security issues may lead to a loss of efficiency and operation? What methods can be used to monitor and protect my system? How can I design my system to reduce threats? This book offers chapters on ICS cyber threats, attacks, metrics, risk, situational awareness, intrusion detection, and security testing, providing an advantageous reference set for current system owners who wish to securely configure and operate their ICSs. This book is appropriate for non-specialists as well. Tutorial information is provided in two initial chapters and in the beginnings of other chapters as needed. The book concludes with advanced topics on ICS governance, responses to attacks on ICS, and future security of the Internet of Things.