

Latest Mx2 Firmware For You To Fully Rooted

The peripheral component interconnect (PCI) bus is the dominant bus system used to connect the different elements making up today's high-performance computer systems. Different PCI implementations have also been developed for such applications as telecommunications and embedded computing. If an application calls for high speed, high reliability, flexible configuration, and bus mastering, then PCI is the only logical bus choice. This book is an applications-oriented introduction to the PCI bus, with an emphasis on implementing PCI in a variety of computer architectures. Special attention is given to industrial and mission-critical applications of PCI bus. -Fully describes PCI electrical specifications, mechanical requirements, and signal types -Covers advanced topics through numerous design examples to increase the readers understanding of the subject -Includes updated coverage of PCI-X 2.0

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Safe, efficient, code-compliant electrical installations are made simple with the latest publication of this widely popular resource. Like its highly successful previous editions, the National Electrical Code 2011 spiral bound version combines solid, thorough, research-based content with the tools you need to build an in-depth understanding of the most important topics. New to the 2011 edition are articles including first-time Article 399 on Outdoor, Overhead Conductors with over 600 volts, first-time Article 694 on Small Wind Electric Systems, first-time Article 840 on Premises Powered Broadband Communications Systems, and more. This spiralbound version allows users to open the code to a certain page and easily keep the book open while referencing that page. The National Electrical Code is adopted in all 50 states, and is an essential reference for those in or entering careers in electrical design, installation, inspection, and safety.

The textbook covers the main aspects of Edge Computing, from a thorough look at the technology to the standards and industry associations working in the field. The book is conceived as a textbook for graduate students but also functions as a working guide for developers, engineers, and researchers. The book aims not only at providing a comprehensive technology and standard reference overview for students, but also useful research insights and practical exercises for edge software developers and investigators in the area (and for students looking to apply their skills). A particular emphasis is given Multi-access Edge Computing (MEC) as defined in European Telecommunications Standards Institute (ETSI), in relationship with other standard organizations like 3GPP, thus in alignment with the recent industry efforts to produce harmonized standards for edge computing leveraging both ETSI ISG MEC and 3GPP specifications. Practical examples of Edge Computing implementation from industry groups, associations, companies and edge developers, complete the book and make it useful for students entering the field. The book includes exercises, examples, and quizzes throughout.

Multi-access Edge Computing: Software Development at the Network Edge

Hacking Exposed Wireless

From Assembly Language to C Using the PIC24 Family

The Evolution and Design of the Personal Computer

Mathematics for Computer Graphics and Game Programming

Applied Optimal Control

This best-selling text focuses on the analysis and design of complicated dynamics systems. CHOICE called it "a high-level, concise book that could well be used as a reference by engineers, applied mathematicians, and undergraduates. The format is good, the presentation clear, the diagrams instructive, the examples and problems helpful...References and a multiple-choice examination are included."

This book provides the state-of-the-art development on security and privacy for fog/edge computing, together with their system architectural support and applications. This book is organized into five parts with a total of 15 chapters. Each area corresponds to an important snapshot. The first part of this book presents an overview of fog/edge computing, focusing on its relationship with cloud technology and the future with the use of 5G communication. Several applications of edge computing are discussed. The second part of this book considers several security issues in fog/edge computing, including the secure storage and search services, collaborative intrusion detection method on IoT-fog computing, and the feasibility of deploying Byzantine agreement protocols in untrusted environments. The third part of this book studies the privacy issues in fog/edge computing. It first investigates the unique privacy challenges in fog/edge computing, and then discusses a privacy-preserving framework for the edge-based video analysis, a popular machine learning application on fog/edge. This book also covers the security architectural design of fog/edge computing, including a comprehensive overview of vulnerabilities in fog/edge computing within multiple architectural levels, the security and intelligent management, the implementation of network-function-virtualization-enabled multicasting in part four. It explains how to use the blockchain to realize security services. The last part of this book surveys applications of fog/edge computing, including the fog/edge computing in Industrial IoT, edge-based augmented reality, data streaming in fog/edge computing, and the blockchain-based application for edge-IoT. This book is designed for academics, researchers and government officials, working in the field of fog/edge computing and cloud computing. Practitioners, and business organizations (e.g., executives, system designers, and marketing professionals), who conduct teaching, research, decision making, and designing fog/edge technology will also benefit from this book The content of this book will be particularly useful for advanced-level students studying computer science, computer technology, and information systems, but also applies to students in business, education, and economics, who would benefit from the information, models, and case studies therein.

TakeoffThe Alpha to Zulu of Aviation PhotographyNew Riders

This timely text/reference describes the development and implementation of large-scale distributed processing systems using open source tools and technologies. Comprehensive in scope, the book presents state-of-the-art material on building high performance distributed computing systems, providing practical guidance and best practices as well as describing theoretical software frameworks. Features: describes the fundamentals of building scalable software systems for large-scale data processing in the new paradigm of high performance distributed computing; presents an overview of the Hadoop ecosystem, followed by step-by-step instruction on its installation, programming and execution; Reviews the basics of Spark, including resilient distributed datasets, and examines Hadoop streaming and working with Scalding; Provides detailed case studies on approaches to clustering, data classification and regression analysis; Explains the process of creating a working recommender system using Scalding and Spark.

Modernist Cuisine

CompTIA PenTest+ PTO-001 Cert Guide

Microcontrollers

The Alpha to Zulu of Aviation Photography

Depression and Its Treatment

Materials, Devices and Applications

Secure Your Wireless Networks the Hacking Exposed Way Defend against the latest pervasive and devastating wireless attacks using the tactical security information contained in this comprehensive volume. Hacking Exposed Wireless reveals how hackers zero in on susceptible networks and peripherals, gain access, and execute debilitating attacks. Find out how to plug security holes in Wi-Fi/802.11 and Bluetooth systems and devices. You'll also learn how to launch wireless exploits from Metasploit, employ bulletproof authentication and encryption, and sidestep insecure wireless hotspots. The book includes vital details on new, previously unpublished attacks alongside real-world countermeasures. Understand the concepts behind RF electronics, Wi-Fi/802.11, and Bluetooth Find out how hackers use NetStumbler, WiSPY, Kismet, KisMAC, and AiroPeek to target vulnerable wireless networks Defend against WEP key brute-force, aircrack, and traffic injection hacks Crack WEP at new speeds using Field Programmable Gate Arrays or your spare PS3 CPU cycles Prevent rogue AP and certificate authentication attacks Perform packet injection from Linux Launch DoS attacks using device driver-independent tools Exploit wireless device drivers using the Metasploit 3.0 Framework Identify and avoid malicious hotspots Deploy WPA/802.11i authentication and encryption using PEAP, FreeRADIUS, and WPA pre-shared keys

Mood mapping simply involves plotting how you feel against your energy levels, to determine your current mood. Dr Liz Miller then gives you the tools you need to lift your low mood, so improving your mental health and wellbeing. Dr Miller developed this technique as a result of her own diagnosis of bipolar disorder (manic depression), and of overcoming it, leading her to seek ways to improve the mental health of others. This innovative book illustrates:
* The Five Keys to Moods: learn to identify the physical or emotional factors that affect your moods
* The Miller Mood Map: learn to visually map your mood to increase self-awareness
* Practical ways to implement change to alleviate low mood
Mood mapping is an essential life skill; by giving an innovative perspective to your life, it enables you to be happier, calmer and to bring positivity to your own life and to those around you.

‘A gloriously accessible read from a truly unique voice’ Mary O’Hara, Guardian ‘It’s great to have such accessible and positive advice about our moods, which, after all, govern everything we do. I love the idea of ‘MoodMapping’ Dr Phil Hammond ‘Can help you find calm and take the edge off your anxieties’ Evening Standard ‘MoodMapping is a fantastic tool for managing your mental health and taking control of your life’ Jonathan Naess, Founder of Stand to Reason

Designed to explain the mathematical concepts involved in computer graphics and its entities, this book is ideal for courses in computer graphics, engineering, game development, as well as for professionals in industry. It begins with simple concepts such as how an image is generated on the screen and then moves to cover the different algorithms for the generation of simple geometry on the screen. The following chapters include two-dimensional and three-dimensional transformations, parametric representation of planar curves and parametric representation of space curves such as cubic splines, Bezier curves, etc. In addition to programming in C, OpenGL, and several other topics, it includes a final chapter on the methods of generating 3D models.

This book has been written from the system administrator's perspective, tackling the topics that will be most important to help you understand FreeNAS, and get it set up as securely and quickly as possible. You will just see how to get the job done. This book is for systems administrators who want a low cost, simple way to provide large amounts of network-attached storage. It does not assume knowledge of BSD, and will work for people using FreeNAS in any network environment.

Plot your way to emotional health and happiness

Electrical equipment of machines. General requirements

Us Mice

Packaging, Accessible Design. Ease of Opening

Takeoff

Hardware, Software, and Interfacing

A step-by-step guide to the fundamentals of programming the PIC24H using the Microchip IDE MPLAB and the Microstick II as the programng tool.

*I thought I had all I needed: my gun, my chopper, and my brothers. Most women don't crave a life like mine, but after the things I've done and seen, I never thought I longed for more. The Ghost Riders Motorcycle Club is my family and I'll bleed for them. I'll do anything to keep them safe, even if it's from me. One look from him and everything I fought to hide was ripped wide open. Being an FBI agent gave him the power to flip my world upside down, and he did it in a way I never saw coming. What happens when an FBI agent becomes more obsessed with you than with his case? Do you let down your guard? Or pull the trigger? Warning: This book contains a heroine who doesn't submit, a hero who fights for what he's claimed, and insta-love so hard it will dent your kindle. *not responsible for dented kindles**

Photodetectors: Materials, Devices and Applications discusses the devices that convert light to electrical signals, key components in communication, computation, and imaging systems. In recent years, there has been significant improvement in photodetector performance, and this important book reviews some of the key advances in the field. Part one covers materials, detector types, and devices, and includes discussion of silicon photonics, detectors based on reduced dimensional charge systems, carbon nanotubes, graphene, nanowires, low-temperature grown gallium arsenide, plasmonic, Si photomultiplier tubes, and organic photodetectors, while part two focuses on important applications of photodetectors, including microwave photonics, communications, high-speed single photon detection, THz detection, resonant cavity enhanced photodetection, photo-capacitors and imaging. Reviews materials, detector types and devices Addresses fabrication techniques, and the advantages and limitations and different types of photodetector Considers a range of application for this important technology Includes discussions of silicon photonics, detectors based on reduced dimensional charge systems, carbon nanotubes, graphene, nanowires, and more

"For six years a group of eminent scientists and engineers, under the auspices of the S. Morgan Smith company, has worked on the technical problems of the 1250-kilowatt windmill. Leading specialists in many fields have served as consultants. The ultimate economics of wind-power have been explored in a preliminary way. This book is a summary of the problems which faced us in 1939, our attempts at solving them, our findings and conclusions. ..." --Taken from the preface.

Embedded Linux

Power from the Wind

Betrothed, #1

Encyclopedia of Electronic Circuits, Volume 7

A Self-Teaching Introduction

Pulling Her Trigger

This completely updated second edition of MICROCONTROLLERS: FROM ASSEMBLY LANGUAGE TO C USING THE PIC24 FAMILY covers assembly language, C programming, and hardware interfacing for the Microchip PIC24 family, a recently updated microcontroller family from Microchip. Hardware interfacing topics include parallel port usage, analog-to-digital conversion, digital-to-analog conversion, the serial peripheral bus (SPI), the inter-integrated circuit bus (I2C), asynchronous serial communication, and timers. Assembly language programming is covered in the context of the PIC24 instruction set, and no initial knowledge of assembly language programming is assumed. Specific hardware interfacing topics covered are parallel IO, analog-to-digital/digital-to-analog conversion, pulse width modulation, timer usage for IO polling, and industry standard serial interface standards. Interfacing examples include external devices such as pushbutton switches, LEDs, serial EEPROMs, liquid crystal displays (LCDs), keypads, rotary encoders, external digital-to-analog converters, DC motors, servos, temperature sensors, and IR receivers. Master the PIC24 family with MICROCONTROLLERS: FROM ASSEMBLY LANGUAGE TO C USING THE PIC24 FAMILY.

Showcases the computer graphics program's updated features while demonstrating fundamental and advanced Illustrator concepts and displaying professionally designed projects.

A guide to using Linux on embedded platforms for interfacing to the real world. "Embedded Linux" is one of the first books available that teaches readers development and implementation of interfacing applications on an Embedded Linux platform.

The acclaimed Disneyland Paris, From Sketch to Reality book is now available in an English eBook special edition with a major update! Not only the book has 40 new pages more than in the regular 320 pages printed edition, but it includes also 118 pictures more in addition to the 750 pictures and artworks of the regular edition, so the book has now around 15% more pages and pictures! The printed edition of the book is now out of stock and copies are sold at very high prices on the web by various sellers, so this eBook edition is a unique chance to get the book at the best price ever! Disneyland Paris, From Sketch to Reality tells the story of the creation of Disneyland Paris thanks to interviews by Didier Ghez of dozens of Disney Imagineers and 250 Imagineering artworks as well as 600 pictures of the park and resort. There is new pages for all attractions which have been updated recently or added in the park since the book was published 17 years ago, i.e new pages for Pirates of Caribbean, Star Tours 2, Hyperspace Mountain, Buzz Lightyear, Big Thunder Mountain, Meet Mickey, Mickey's Philarmagic, Hotel New York, and of course Phantom Manor which reopened recently, with 16 new pages for Phantom Manor only! And because it is a digital edition we don't need to care about the number of pages, so i've put back the full pages on the beloved Visionarium attraction, now extinct. The originally 320 pages book is now a 364 pages book (not counting the front and back cover), and this eBook edition also include a selection of 60+ of the best videos about the park, Imagineering, hotels, and more! The Disneyland Paris, From Sketch to Reality book is an absolute must-have for every Disneyland Paris and Disney theme parks fan!

El arte y la ciencia de la cocina / The Art and Science of Cooking

Case Studies with Hadoop, Scalding and Spark

The Geometry of Being Black

Knowledge-Based Configuration

Exploiting OS X from the Root Up

Schiit Happened

I was twenty-one when the gypsy read my future: As punishment for your crimes, you will only love one woman...but she'll never love you back. I didn't believe a word of it. Until I met Sofia Romano almost ten years later. I fell hard for this woman. Would die for this woman. But she left me. Now years have passed and Sofia needs a husband. Her father is gone and her mother is trying to marry her off to a man that can protect their family, protect their company. She's looking for someone powerful. Check. Someone rich. Check. Someone handsome. Double check. Now it's my chance to have the only woman I've ever loved...and I'll make sure she feels the same way. I have a lifetime to make that happen.

Ergonomics, Performance testing, Product design, Consumers, Mechanical testing, Packaging, Packages, Old people, Effectiveness

An image-driven chronological look at the PC, from the 1970s to present day, is supplemented with critical industry milestones, screenshots of the original software designed for the original machine, and social and cultural anecdotes from PC creators.

Inadequacies in Data Processing Planning in the Department of Commerce

Adobe Illustrator 9.0

Build in Color

PCI Bus Demystified

Fog/Edge Computing For Security, Privacy, and Applications

From Research to Business Cases

The Hacker's Guide to OS X

For everyone who didn't win the venture capital lottery, for everyone who wasn't born with a trust fund, for everyone who doesn't have rich relatives... This is the story of how real start-ups work. This is how to turn a dream into a multi-million dollar business--without selling out, without spending a mint on marketing, and without losing your sense of humor. Meet Schiit Audio, a company born in a garage that went on to change the face of high-end personal audio--challenging the idea that everything must be made in China, rejecting old ideas about advertising and social awareness, and forging our own unforgettable brand. This is our (improbable) story. Here's to your own stories--and your success!

Técnicas rompedoras utilizadas por los mejores chefs del mundo "El libro más importante en las artes culinarias desde Escoffier." --Tim Zagat Una revolución está en marcha en el arte de la cocina. Al igual que el impresionismo francés rompió con siglos de tradición artística, en los últimos años la cocina modernista ha franqueado los límites de las artes culinarias. Tomando prestadas técnicas de laboratorio, los chefs de santuarios gastronómicos mundialmente reconocidos, como elBulli, The Fat Duck, Alinea y wd-50, han abierto sus cocinas a la ciencia y a la innovación tecnológica incorporando estos campos de conocimiento al genio creativo de la elaboración de alimentos. En Modernist Cuisine: El arte y la ciencia de la cocina, Nathan Myhrvold, Chris Young y Maxime Bilet --científicos, creadores y reconocidos cocineros-- revelan a lo largo de estos seis volúmenes, de 2.440 páginas en total, unas técnicas culinarias que se inspiran en la ciencia y van de lo insospechado a lo sublime. Las 20 personas que componen el equipo de The Cooking Lab han conseguido nuevos y asombrosos sabores y texturas con utensilios como el baño María, los homogeneizadores y las centrifugas e ingredientes como los hidrocoloides, los emulsionantes y las enzimas. Modernist Cuisine es una obra destinada a reinventar la cocina. ¿Cómo se hace una tortilla ligera y tierna por fuera pero sabrosa y cremosa por dentro? ¿O patatas fritas esponjosas por dentro y crujientes por fuera? Imagínese poder envolver un mejillón con una esfera de gelatina de su propio jugo, dulce y salado a la vez. O preparar una mantequilla solo a base de pistachos, fina y homogénea. Modernist Cuisine explica todas estas técnicas y le guía paso a paso con ilustraciones. La ciencia y la tecnología de la gastronomía cobran vida en miles de fotografías y diagramas originales. Las técnicas fotográficas más novedosas e impresionantes permiten al lector introducirse en los alimentos para ver toda la cocina en acción, desde las fibras microscópicas de un trozo de carne hasta la sección transversal de una barbacoa Weber. La experiencia de comer y cocinar bajo una perspectiva completamente nueva. Una muestra de lo que va a descubrir: Por qué sumergir los alimentos en agua helada no detiene el proceso de cocción Cuando cocer en agua es más rápido que al vapor Por qué subir la parrilla no reduce el calor Por qué el horneado es principalmente un proceso de secado Por qué los alimentos fritos se doran mejor y saben más si el aceite se ha utilizado previamente Cómo pueden las modernas técnicas de cocina conseguir resultados perfectos sin el tiempo exacto o la buena suerte que requieren los métodos tradicionales Incluye aspectos cruciales como: Los sorprendentes principios científicos que encierran los métodos tradicionales de preparación de los alimentos, como asar, ahumar y saltear La guía más completa publicada hasta la fecha sobre la cocina al vacío, con las mejores opciones para baños María, materiales de envasado y equipos de sellado, estrategias de cocción y consejos para solucionar problemas Más de 250 páginas sobre carnes, pescados y marisco y 130 páginas sobre frutas, verduras y cereales, incluidas cientos de recetas paramétricas y técnicas paso a paso Extensos capítulos que explican cómo obtener conseguir resultados increíbles utilizando modernos espesantes, geles, emulsiones y espumas, incluidas recetas de muestra y muchas fórmulas Más de 300 páginas de nuevas recetas con presentaciones listas para servirse en restaurantes de alta cocina, además de recetas adaptadas de grandes chefs como Grant Achatz, Ferran Adrià, Heston Blumenthal, David Chang, Wylie Dufresne y David Kinch, entre otros Volumen 1: Historia y fundamentos Volumen 2: Técnicas y equipamiento Volumen 3: Animales y plantas Volumen 4: Ingredientes y preparaciones Volumen 5: Recetas listas para servir Volumen 6: Manual de cocina, impreso en papel resistente al agua, con recetas de ejemplo y exhaustivas tablas de referencia

Knowledge-based Configuration incorporates knowledge representation formalisms to capture complex product models and reasoning methods to provide intelligent interactive behavior with the user. This book represents the first time that corporate and academic worlds collaborate integrating research and commercial benefits of knowledge-based configuration. Foundational interdisciplinary material is provided for composing models from increasingly complex products and services. Case studies, the latest research, and graphical knowledge representations that increase understanding of knowledge-based configuration provide a toolkit to continue to push the boundaries of what configurators can do and how they enable companies and customers to thrive. Includes detailed discussion of state-of-the-art configuration knowledge engineering approaches such as automated testing and debugging, redundancy detection, and conflict management Provides an overview of the application of knowledge-based configuration technologies in the form of real-world case studies from SAP, Siemens, Kapsch, and more Explores the commercial benefits of knowledge-based configuration technologies to business sectors from services to industrial equipment Uses concepts that are based on an example personal computer configuration knowledge base that is represented in an UML-based graphical language

Depression and its Treatment focuses on medical interventions in the diagnosis and treatment of depression, as well as identification of symptoms and possible mechanisms of treatment. The book first offers information on the concept and classification of depression, physiology and psychopathology, and clinical types of depression, including classification of depressive illnesses and etiology. The publication then takes a look at the treatment of psychological and physiological depression and complications of depression and their treatment. The text ponders on the prognosis of psychological and physiological depression and critique of existing terminology, as well as illustrative case histories of depression. The manuscript is highly recommended for clinicians and psychiatrists wanting to explore the approaches in the treatment of depression.

Wife

Vertical Turbulent Buoyant Jets

Disneyland Paris, From Sketch to Reality Special Updated Edition

A Review of Experimental Data

Ultra-wideband Positioning Systems

Inadequacies in Data Processing Planning in the Department of Commerce

The CompTIA Linux+/LPIC-1 Training and Exam Preparation Guide, First Edition is a comprehensive resource designed and written with one fundamental goal in mind: teach Linux in an easy and practical manner while preparing for the Linux+/LPIC-1 exams. This book provides an in-depth coverage of all official exam objectives. This book is organized in two parts: Part One covers LXO-103/101-400 exam objectives and Part Two covers LXO-104/102-400 exam objectives. The book includes hands-on examples, step-by-step exercises, chapter-end review of concepts, files, and commands learned, and 790 challenging practice questions. This book uses "learn-by-doing" methodology. It begins with guidance on how to download a virtualization software and two Linux distribution versions and then provides instructions on how to create VMs and install Linux in them to set up a lab environment for hands-on learning. Throughout the book, appropriate command prompts are employed to identify the lab system and user to run a command. Each command and task presented in the book was actually performed and tested on lab systems. Followed by the lab environment setup in Part One, the book presents the essentials of Linux incl. interaction with Linux, basic commands, file management (permissions, ownership, linking, searching, special permissions, editing), filter programs, regex, shell features, and process handling. Subsequent topics focus on system administration incl. shared libraries, Debian and RPM package management, system boot and initialization, hardware management, kernel modules, storage partitioning, file system creation and repairs, quota handling, and swap space administration. This brings Part One to an end and you should be able to take the quiz in Appendix A to test your readiness for the LXO-103/101-400 exam. Part Two covers all the objectives for the LXO-104/102-400 exam. It covers shell scripts with a presentation and line-by-line analysis of several scripts. Building a simple SQL database and performing queries comes next. A detailed comprehension of local authentication files, user creation, password aging, and shell startup files follows. The book covers networking concepts, reference models, and terms that accompany exercises on interface configuration, hostname change, and route management. A discussion of network testing and debugging tools is furnished and their usage is demonstrated, followed by topics on internationalization, localization, time synchronization, name resolution, X Window, display/desktop managers, accessibility options, printer and print queue administration, task scheduling, system logging, system and service access controls, emailing and email aliasing, searching for special files, and so on. This brings Part Two to an end and you should be able to take the quiz in Appendix C to test your readiness for the LXO-104/102-400 exam. Highlights: * 100% coverage of ALL official exam objectives (version 4.0) * Enumerated and descriptive knowledge areas (under exam objectives) to assist in identifying and locating them * A summarized and convenient view showing exam objectives, chapters they are discussed in, associated weights, the number of questions to expect on the real exam, and other useful information * Separate section on each exam * 15 chapters in total (8 for LXO-103/101-400 and 7 for LXO-104/102-400) * Detailed guidance on building lab environment * 49 tested, hands-on exercises with explanation * Numerous tested, practical examples for clarity and understanding * Chapter-end one-sentence review of key topics * 790 single-response, multiple-response, and fill-in-the-blank practice questions/answers to test your knowledge of the material and exam readiness * Equally good for self-study and in-class training As the price of servers comes down to the level of desktop PCs, many small- and medium-sized businesses are forced to provide their own server setup, maintenance and support, without the high-dollar training enjoyed by their big corporation counterparts. Upgrading and Repairing Servers is the first line of defense for small- and medium-sized businesses, and an excellent go-to reference for the experienced administrators who have been asking for a reference guide like this one for a long time! It's all here in one, incredibly useful tome that you will refer to again and again.

Inside is in-depth coverage of server design and implementation, building and deploying, server hardware components, network and backup operations, SAN, fault tolerance, server racks, server rooms, server operating systems, as well as SUN Microsystems servers. No other computer hardware book has ever dared tackle this enormous topic - until now!

This is a very frank and detailed account by a leading and very active mathematician of the past decades whose contributions have had an important impact in those fields where mathematics is now an integral part. It starts from his early childhood just after the First World War to his present-day positions as professor of mathematics, electrical engineering and medicine at the USC, which in itself reflects on the diversity of interests and experiences gained through the turbulent years when American mathematics and sciences established themselves on the forefront. The story traces the tortuous path Bellman followed from Brooklyn College; the University of Wisconsin to Princeton during the war years; more than a decade with the RAND Corporation; with frequent views of more than just the academic circles, including his experiences at Los Alamos on the A-bomb project. Bellman gives highly personalised views of key personalities in mathematics, physics and other areas, and his motivations and the forces that helped shape dynamic programming and other new areas which emerged as consequences of fruitful applications of mathematics. Readership: All. Position estimation of wireless devices has many applications in short-range networks. Ultra-wideband (UWB) signals provide accurate positioning capabilities that can be harnessed in wireless systems to realize these applications. This title provides detailed coverage of UWB positioning systems, offering comprehensive treatment of signal and receiver design for ranging, range estimation techniques, theoretical performance bounds, ranging algorithms and protocols. Beginning with a discussion of the potential applications of wireless positioning, and investigating UWB signals for such applications, later chapters establish a signal processing framework for analyzing UWB positioning and ranging systems. The recent IEEE 802.15.4a standard related to UWB is also studied in detail. Each chapter contains examples, problems and Matlab scripts to help readers grasp key concepts. This is an ideal text for graduate students and researchers in electrical and computer engineering, and practitioners in the communications industry, particularly those in wireless communications.

Guide to High Performance Distributed Computing

Digital Retro

Theoretical Limits, Ranging Algorithms, and Protocols

Photodetectors

Upgrading and Repairing Servers

'the geometry of being Black' is a poetic piece that splits open the concrete beneath our feet in order to give society a glimpse into prominent issues that the Black community experiences today.The book probes into five themes: how the Black community receives anti-Blackness and internalizes anti-Blackness, how the community can unlearn anti-Blackness and resist anti-Blackness, and how the community can learn to love their Blackness again. Some topics explored in the book are colorism, colonialism, police brutality, misogynoir, hair politics, self-loathing, toxic-masculinity, healing, and self-love. This book will break your heart open in the beginning, fill it with love in the middle, and sow it back up at the end.

Written by two experienced penetration testers the material presented discusses the basics of the OS X environment and its vulnerabilities. Including but limited to; application porting, virtualization utilization and offensive tactics at the kernel, OS and wireless level. This book provides a comprehensive in-depth guide to exploiting and compromising the OS X platform while offering the necessary defense and countermeasure techniques that can be used to stop hackers As a resource to the reader, the companion website will provide links from the authors, commentary and updates. Provides relevant information including some of the latest OS X threats Easily accessible to those without any prior OS X experience Useful tips and strategies for exploiting and compromising OS X systems Includes discussion of defensive and countermeasure applications and how to use them Covers mobile IOS vulnerabilities

The forest is a big place and Snuffles is a little mouse trying to make her way around. Through adventure and keeping her head on her little shoulders, she learns that everyone in her forest is one big family and the importance of accepting others.

Aviation photography is the perfect mix of sleek, beautiful machines, blended with nature's beautiful skies and fields, along with a fascinating collection of fearless pilots and capable crew, all wrapped in a rich, significant, and crucial part of history. Few genres combine this many elements, and invoke this much passion from photographers. This one-of-a kind book from Moose Peterson, one of the world's most recognized experts in aviation photography, not only teaches you exactly what you need to know to start making beautiful, intriguing photographs of aircraft, but inspires you and pushes you creatively and technically every step of the way. Moose takes you through all the basics for camera gear and settings, showing you what he travels with and the settings he uses to get those tack sharp images. He covers one of the most important aspects of aviation photography--light! And, he gives you a number of examples of how to take the best advantage of that light any time of the day. He shares the critical techniques you'll need to master to create the illusion of flight, speed, and romance in a still image, including which types of prop blur you're aiming for (and which types you want to avoid). You'll learn how to make the most out of air shows and fly-ins--what to shoot while you're there, and what you might want to skip or avoid altogether (and why). You'll learn how to photograph aircraft on the ground, from ground-to-air, and ultimately air-to-air, and how to capture one of the most important elements in aviation photography today: the fascinating pilots and crew--the people! Moose shares many wonderful stories and adventures along the way, which illustrate how, as photographers, we're also storytellers, and the importance of bringing out those stories in our aviation photos. Plus, you'll gain free access to his acclaimed KelbyOne film, Warbirds and the Men Who Flew Them. With this book, your camera, and your passion, your success in aviation photography will quickly take flight!

Optimization, Estimation and Control

Learning FreeNAS

Beginner's Guide to Programming the PIC24/dsPIC33

Mood Mapping

The Story of the World's Most Improbable Start-Up

Shameless

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CompTIA Pentest+ PT0-001 exam success with this CompTIA Cert Guide from Pearson IT Certification, a leader in IT Certification. Master CompTIA Pentest+ PT0-001 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks Practice with realistic exam questions Get practical guidance for next steps and more advanced certifications CompTIA Pentest+ Cert Guide is a best-of-breed exam study guide. Leading IT security experts Omar Santos and Ron Taylor share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will allow you to succeed on the exam the first time. The CompTIA study guide helps you master all the topics on the Pentest+ exam, including: Planning and scoping: Explain the importance of proper planning and scoping, understand key legal concepts, explore key aspects of compliance-based assessments Information gathering and vulnerability identification: Understand passive and active reconnaissance, conduct appropriate information gathering and use open source intelligence (OSINT); perform vulnerability scans; analyze results; explain how to leverage gathered information in exploitation; understand weaknesses of specialized systems Attacks and exploits: Compare and contrast social engineering attacks; exploit network-based, wireless, RF-based, application-based, and local host vulnerabilities; summarize physical security attacks; perform post-exploitation techniques Penetration testing tools: Use numerous tools to perform reconnaissance, exploit vulnerabilities and perform post-exploitation activities; leverage the Bash shell,

Python, Ruby, and PowerShell for basic scripting Reporting and communication: Write reports containing effective findings and recommendations for mitigation; master best practices for reporting and communication; perform post-engagement activities such as cleanup of tools or shells
National Electrical Code
CompTIA Linux+/LPIC-1: Training and Exam Preparation Guide (Exam Codes: LX0-103/101-400 and LX0-104/102-400), First Edition
Safety of Machinery
Eye of the Hurricane