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**OpenCL Programming Guide** Pearson Education

Explaining how to use the new features of Windows 7, a comprehensive manual details hundreds of timesaving solutions, troubleshooting tips, and workarounds, along with information on such topics as Internet Explorer 8, Windows Media Center, networking, and security.

*Windows Small Business Server 2008 Administrator's Pocket Consultant*

Microsoft Press

Conquer Windows 10--from the inside out! Dive into Windows 10--and really put your Windows expertise to work.

Focusing on the most powerful and

innovative features of Windows 10, this supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds. From the new Microsoft Edge browser to the personal assistant Cortana, from security to the enhanced Start menu, discover how the experts tackle essential Windows 10 tasks--and challenge yourself to new levels of mastery. Install, configure, and personalize Windows 10 Transition smoothly from Windows 7 or Windows 8.1 Discover the fast, efficient Microsoft Edge browser Use the Cortana personal assistant to handle reminders and information retrieval Explore cloud services Find, manage, back up, and restore files Use the Windows 10 Mail, Calendar, and People apps Retrieve, organize, and enjoy digital media Harden

security and strengthen privacy Add Windows Store apps Fine-tune performance and troubleshoot crashes Share resources and control computers remotely Automate tasks and use advanced system management Run Hyper-V virtual machines For Intermediate and Advanced Users Your role: Experienced intermediate-level to advanced-level Windows user Prerequisites: Basic understanding of Windows procedures, techniques, and navigation

**Database Administration** Pearson Education

The new RISC-V Edition of Computer Organization and Design features the RISC-V open source instruction set architecture, the first open source architecture designed to be used in

modern computing environments such as cloud computing, mobile devices, and other embedded systems. With the post-PC era now upon us, Computer Organization and Design moves forward to explore this generational change with examples, exercises, and material highlighting the emergence of mobile computing and the Cloud. Updated content featuring tablet computers, Cloud infrastructure, and the x86 (cloud computing) and ARM (mobile computing devices) architectures is included. An online companion Web site provides advanced content for further study, appendices, glossary, references, and recommended reading. Features RISC-V, the first such architecture designed to be used in modern computing environments, such as cloud computing,

mobile devices, and other embedded systems Includes relevant examples, exercises, and material highlighting the emergence of mobile computing and the cloud

*Computer Organization and Design*

Osborne Publishing

Appealing to amateurs as well as more experienced technicians, this book reviews PC hardware basics and the process of troubleshooting. A 40-page flowchart helps readers isolate likely causes to common problems. A special section walks readers through the steps of putting a component system together. On the CD, the author explains what each component is and how to remove and install them.

**Windows 7 Inside Out** Plunkett Research, Ltd.

Computer Engineering: A DEC View of Hardware Systems Design focuses on the principles, progress, and concepts in the design of hardware systems. The selection first elaborates on the seven views of computer systems, technology progress in logic and memories, and packaging and manufacturing. Concerns cover power supplies, DEC computer packaging generations, general packaging, semiconductor logic technology, memory technology, measuring (and creating) technology progress, structural levels of a computer system, and packaging levels-of-integration. The manuscript then examines transistor circuitry in the Lincoln TX-2, digital modules, PDP-1 and other 18-bit computers, PDP-8 and other 12-bit computers, and structural levels

of the PDP-8. The text takes a look at cache memories for PDP-11 family computers, buses, DEC LSI-11, and design decisions for the PDP-11/60 mid-range minicomputer. Topics include reliability and maintainability, price/performance balance, advances in memory technology, synchronization of data transfers, error control strategies, PDP-11/45, PDP-11/20, and cache organization. The selection is a fine reference for practicing computer designers, users, programmers, designers of peripherals and memories, and students of computer engineering and computer science.

### **Great Principles of Computing**

Morgan Kaufmann

COMPUTERS, IBM

*Windows 10 Inside Out (includes Current*

*Book Service)* IGI Global

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Conquer today's Windows 10—from the inside out! Dive into Windows 10—and really put your Windows expertise to work. Focusing on the most powerful and innovative features of Windows 10, this supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all fully reflecting the major Windows 10 Anniversary Update. From new Cortana and Microsoft Edge enhancements to the latest security and virtualization features, you'll discover how experts tackle today's essential tasks—and challenge yourself to new

levels of mastery. Install, configure, and personalize the newest versions of Windows 10 Understand Microsoft's revamped activation and upgrade processes Discover major Microsoft Edge enhancements, including new support for extensions Use today's improved Cortana services to perform tasks, set reminders, and retrieve information Make the most of the improved ink, voice, touch, and gesture support in Windows 10 Help secure Windows 10 in business with Windows Hello and Azure AD Deploy, use, and manage new Universal Windows Platform (UWP) apps Take advantage of new entertainment options, including Groove Music Pass subscriptions and connections to your Xbox One console Manage files in the cloud with Microsoft OneDrive and

OneDrive for Business Use the improved Windows 10 Mail and Calendar apps and the new Skype app Fine-tune performance and troubleshoot crashes Master high-efficiency tools for managing Windows 10 in the enterprise Leverage advanced Hyper-V features, including Secure Boot, TPMs, nested virtualization, and containers In addition, this book is part of the Current Book Service from Microsoft Press. Books in this program will receive periodic updates to address significant software changes for 12 to 18 months following the original publication date via a free Web Edition. Learn more at <https://www.microsoftpresstore.com/cbs>.  
[The Car Hacker's Handbook](#) Que Publishing

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.

Absolute Beginner's Guide to Tablet PCs  
Addison-Wesley

Using the new OpenCL (Open Computing Language) standard, you can write applications that access all available programming resources: CPUs, GPUs, and other processors such as DSPs and the Cell/B.E. processor. Already implemented by Apple, AMD, Intel, IBM, NVIDIA, and other leaders, OpenCL has outstanding potential for PCs, servers, handheld/embedded devices, high

performance computing, and even cloud systems. This is the first comprehensive, authoritative, and practical guide to OpenCL 1.1 specifically for working developers and software architects. Written by five leading OpenCL authorities, OpenCL Programming Guide covers the entire specification. It reviews key use cases, shows how OpenCL can express a wide range of parallel algorithms, and offers complete reference material on both the API and OpenCL C programming language. Through complete case studies and downloadable code examples, the authors show how to write complex parallel programs that decompose workloads across many different devices. They also present all the essentials of OpenCL software

performance optimization, including probing and adapting to hardware. Coverage includes Understanding OpenCL's architecture, concepts, terminology, goals, and rationale Programming with OpenCL C and the runtime API Using buffers, sub-buffers, images, samplers, and events Sharing and synchronizing data with OpenGL and Microsoft's Direct3D Simplifying development with the C++ Wrapper API Using OpenCL Embedded Profiles to support devices ranging from cellphones to supercomputer nodes Case studies dealing with physics simulation; image and signal processing, such as image histograms, edge detection filters, Fast Fourier Transforms, and optical flow; math libraries, such as matrix multiplication and high-performance

sparse matrix multiplication; and more Source code for this book is available at <https://code.google.com/p/opencv-book-samples/>

**Windows 10 Inside Out** Microsoft Press

A new framework for understanding computing: a coherent set of principles spanning technologies, domains, algorithms, architectures, and designs. Computing is usually viewed as a technology field that advances at the breakneck speed of Moore's Law. If we turn away even for a moment, we might miss a game-changing technological breakthrough or an earthshaking theoretical development. This book takes a different perspective, presenting computing as a science governed by fundamental principles that span all



technologies. Computer science is a science of information processes. We need a new language to describe the science, and in this book Peter Denning and Craig Martell offer the great principles framework as just such a language. This is a book about the whole of computing—its algorithms, architectures, and designs. Denning and Martell divide the great principles of computing into six categories: communication, computation, coordination, recollection, evaluation, and design. They begin with an introduction to computing, its history, its many interactions with other fields, its domains of practice, and the structure of the great principles framework. They go on to examine the great principles in different areas: information, machines,

programming, computation, memory, parallelism, queueing, and design. Finally, they apply the great principles to networking, the Internet in particular. Great Principles of Computing will be essential reading for professionals in science and engineering fields with a “computational” branch, for practitioners in computing who want overviews of less familiar areas of computer science, and for non-computer science majors who want an accessible entry way to the field.

*1-2-3 Release 2.3 Made Easy* Plunkett Research, Ltd.

Portable and precise, this pocket-sized guide delivers ready answers for administering Windows Small Business Server 2008. Zero in on core support tasks and tools using quick-reference

tables, instructions, and lists. You'll get the focused information you need to solve problems and get the job done—whether at your desk or in the field. Get fast facts to: Plan, install, and configure a small business network  
 Navigate the Windows SBS Console tool  
 Create and administer user and group accounts  
 Manage automatic updates, disk storage, and shared printers  
 Configure mail settings and customize internal Web sites  
 Boost security with authentication, authorization, and permissions  
 Develop a backup and restoration strategy  
 Monitor performance using alerts, notifications, and reports  
 Expand the network by adding a server and accessing remote computers

**Exam Ref 70-410** McGraw Hill

Professional

This guide fills the need for a single, compact volume that combines information on cutting-edge technologies with older material, such as coverage of venerable networking protocols like TCP/IP and classic networking theory. A 40-page visual Troubleshooting Flowchart section helps readers narrow and isolate likely causes to common problems.

*Computer Engineering* Morgan Kaufmann

Giving comprehensive, soup-to-nuts coverage of database administration, this guide is written from a platform-independent viewpoint, emphasizing best practices.

**Understanding Virtual Reality**

Pearson Education

A complete guide to the business of biotech, genetics, proteomics and related services. Complete profiles of nearly 450 leading biotech companies, in-depth chapters on trends. Includes glossary thorough indexes, statistics, research and development, emerging technology.

Cisco Networking Essentials Addison-Wesley Professional

Portable and precise, this pocket-sized guide delivers ready answers for the day-to-day administration of Windows Server 2012. Zero in on core operations and daily tasks using quick-reference tables, instructions, and lists. You'll get focused information to solve problems and get the job done-whether at your desk or in the field.

**Systematic Software Testing** Digital

Press

Plunketts InfoTech Industry Almanac presents a complete analysis of the technology business, including the convergence of hardware, software, entertainment and telecommunications. This market research tool includes our analysis of the major trends affecting the industry, from the rebound of the global PC and server market, to consumer and enterprise software, to super computers, open systems such as Linux, web services and network equipment. In addition, we provide major statistical tables covering the industry, from computer sector revenues to broadband subscribers to semiconductor industry production. No other source provides this books easy-to-understand comparisons of growth, expenditures,

technologies, imports/exports, corporations, research and other vital subjects. The corporate profile section provides in-depth, one-page profiles on each of the top 500 InfoTech companies. We have used our massive databases to provide you with unique, objective analysis of the largest and most exciting companies in: Computer Hardware, Computer Software, Internet Services, E-Commerce, Networking, Semiconductors, Memory, Storage, Information Management and Data Processing. We've been working harder than ever to gather data on all the latest trends in information technology. Our research effort includes an exhaustive study of new technologies and discussions with experts at dozens of innovative tech companies. Purchasers

of the printed book or PDF version may receive a free CD-ROM database of the corporate profiles, enabling export of vital corporate data for mail merge and other uses.

**Embedded Linux** Addison-Wesley Professional

The most comprehensive reference for Network Professionals, providing in-depth and up-to-date coverage of the latest networking topics with more than 200 pages of new material. 600 illustrations.

PC Hardware: A Beginner's Guide

Addison-Wesley Professional

this book includes a review of PC hardware basics, a troubleshooting methodology primer, and a vast component reference that will help both novice and intermediate readers solve

hardware and OS technical problems as well as upgrade computers. 40-page visual Troubleshooting Flowchart section helps readers isolate likely causes to common problems and helps narrow their search for the cause of their systems problem.

*PC et Hardware* Artech House

PLEASE PROVIDE SUMMARY

The PC User's Guide Microsoft Press Database Administration, Second Edition, is the definitive, technology-independent guide to the modern discipline of database administration. Packed with best practices and proven solutions for any database platform or environment, this text fully reflects the field's latest realities and challenges. Drawing on more than thirty years of database experience, Mullins focuses on

problems that today's DBAs actually face, and skills and knowledge they simply must have. Mullins presents realistic, thorough, and up-to-date coverage of every DBA task, including creating database environments, data modeling, normalization, design, performance, data integrity, compliance, governance, security, backup/recovery, disaster planning, data and storage management, data movement/distribution, data warehousing, connectivity, metadata, tools, and more. This edition adds new coverage of "Big Data," database appliances, cloud computing, and NoSQL. Mullins includes an entirely new chapter on the DBA's role in regulatory compliance, with substantial new material on data breaches, auditing,

encryption, retention, and metadata management. You'll also find an all-new

glossary, plus up-to-the-minute DBA rules of thumb.