

Newnes Unix Pocket Book Newnes Pocket Books

A readable reference for the C++ programmer, this book is written in the Newnes Pocket Book format. It covers the fundamentals of C++ extensions in 10 short sections and then goes into seven detailed chapters with many practical examples.

This latest edition of the Newnes Data Communications Pocket Book has been substantially updated to keep abreast with the rapid pace of developments in data communications technology. New topics have been introduced - data compression, the Internet and World-Wide Web, HyperText Mark-up Language - existing material has been updated and expanded.

Despite the complexity of subject, this wealth of information is presented succinctly and in such a way, using tables, diagrams and brief explanatory text, as to allow the user to locate information quickly and easily. Thus the book should be invaluable to those involved with the installation, commissioning and maintenance of data communications equipment, as well as the end user. Mike Tooley is the well known author of many books including the Newnes Computer Engineer's Pocket Book, now in its fourth edition.

In this new edition the latest ARM processors and other hardware developments are fully covered along with new sections on Embedded Linux and the new freeware operating system eCOS. The hot topic of embedded systems and the internet is also introduced. In addition a fascinating new case study explores how embedded systems can be developed and experimented with using nothing more than a standard PC. * A practical introduction to the hottest topic in modern electronics design * Covers hardware, interfacing and programming in one book * New material on Embedded Linux for embedded internet systems

Appendices offer further resources for deciphering common error messages, converting data, comparing hardware, and accessing networks, along with general hints and suggestions for ongoing reading. UNIX for the Mainframer is the only book that helps mainframers use their existing skills to get them up and running in the UNIX environment, fast.

Multimedia and Communications Technology is a practical explanation of the technologies that bring together existing products such as the PC, telephone and television. It is precisely this revolution that the book addresses - offering an up to date technical overview of developments in PC technology, video and audio compression, telecommunications and many other disciplines. Written as a series of tutorials, the book starts with the fundamental techniques of digital audio and video, moving on to compression techniques such as JPEG and MPEG. The delivery systems for multimedia are then covered, starting with the CD and on to telephones, local and wide area networks and ATM and ASDL. The final chapters describe how these technologies are brought together in some key applications: - video conferencing - digital video broadcasting - video on demand - interactive television Steve Heath is responsible for European Strategy and Technology Development at Motorola. He has had many years experience in computer design and has presented papers on multimedia technology at international conferences. He is a well known technical writer and has written fourteen other books for Focal Press, Newnes and Butterworth-Heinemann.

This book is a pocket guide to Windows NT. It looks at portability, true multi-tasking, processor independence, microprocessor support, security and POSIX support, networking support, and MS-DOS and Windows 3 compatibility.

The powertrain is at the heart of vehicle design; the engine – whether it is a conventional, hybrid or electric design – provides the motive power, which is then managed and controlled through the transmission and final drive components. The overall powertrain system therefore defines the dynamic performance and character of the vehicle. The design of the powertrain has conventionally been tackled by analyzing each of the subsystems individually and the individual components, for example,

engine, transmission and driveline have received considerable attention in textbooks over the past decades. The key theme of this book is to take a systems approach – to look at the integration of the components so that the whole powertrain system meets the demands of overall energy efficiency and good drivability. Vehicle Powertrain Systems provides a thorough description and analysis of all the powertrain components and then treats them together so that the overall performance of the vehicle can be understood and calculated. The text is well supported by practical problems and worked examples. Extensive use is made of the MATLAB(R) software and many example programmes for vehicle calculations are provided in the text. Key features: Structured approach to explaining the fundamentals of powertrain engineering Integration of powertrain components into overall vehicle design Emphasis on practical vehicle design issues Extensive use of practical problems and worked examples Provision of MATLAB(R) programmes for the reader to use in vehicle performance calculations This comprehensive and integrated analysis of vehicle powertrain engineering provides an invaluable resource for undergraduate and postgraduate automotive engineering students and is a useful reference for practicing engineers in the vehicle industry Official organ of the book trade of the United Kingdom.

This is a collection of all the key data, facts, practical guidance and circuit design basics needed by a spectrum of students, electronics enthusiasts, technicians and circuit designers. It provides explanations and practical guidance.

Includes no. 53a: British wartime books for young people.

Based on the author's original VMEbus User's Handbook, this companion has been updated and expanded, and aims to provide all users and potential users of VMEbus with an essential companion to the bus specification itself.

'Why are there all these different processor architectures and what do they all mean? Which processor will I use? How should I choose it?' Given the task of selecting an architecture or design approach, both engineers and managers require a knowledge of the whole system and an explanation of the design tradeoffs and their effects. This is information that rarely appears in data sheets or user manuals. This book fills that knowledge gap. Section 1 provides a primer and history of the three basic microprocessor architectures. Section 2 describes the ways in which the architectures react with the system. Section 3 looks at some more commercial aspects such as semiconductor technology, the design cycle, and selection criteria. The appendices provide benchmarking data and binary compatibility standards. Since the first edition of this book was published, much has happened within the industry. The Power PC architecture has appeared and RISC has become a more significant challenger to CISC. The book now includes new material on Power PC, and a complete chapter devoted to understanding the RISC challenge. The examples used in the text have been based on Motorola microprocessor families, but the system considerations are also applicable to other processors. For this reason comparisons to other designs have been included, and an overview of other processors including the Intel 80x86 and Pentium, DEC Alpha, SUN Sparc, and MIPS range has been given. Steve Heath has been involved in the design and development of microprocessor based systems since 1982. These designs have included VMEbus systems, microcontrollers, IBM PCs, Apple Macintoshes, and both CISC and RISC based multiprocessor systems, while using operating systems as varied as MS-DOS, UNIX, Macintosh OS and real time kernels. An avid user of computer systems, he has written numerous articles and papers for the electronics press, as well as books from Butterworth-Heinemann including VMEbus: A Practical Companion; PowerPC: A Practical Companion; MAC User's Pocket Book; UNIX Pocket Book; Upgrading Your PC Pocket Book; Upgrading

Your MAC Pocket Book; and Effective PC Networking.

This document outlines the set of requirements and guidelines for file and directory placement under the Linux operating system according to those of the FSSTND v2.3 final (January 29, 2004) and also its actual implementation on an arbitrary system. It is meant to be accessible to all members of the Linux community, be distribution independent and is intended discuss the impact of the FSSTND and how it has managed to increase the efficiency of support interoperability of applications, system administration tools, development tools, and scripts as well as greater uniformity of documentation for these systems.

The first new PCs from the IBM/Apple joint venture are about to appear. These new PCs and Apple Macs will be using the new Power PC RISC microprocessor. The chip can be inserted into existing PCs and Macs and will enable the user to run applications faster. This pocketbook is a programming guide to this powerful chip.

Newnes Electrical Pocket Book is the ideal daily reference source for electrical engineers, electricians and students. First published in 1932 this classic has been fully updated in line with the latest technical developments, regulations and industry best practice. Providing both in-depth knowledge and a broad overview of the field this pocket book is an invaluable tool of the trade. A handy source of essential information and data on the practice and principles of electrical engineering and installation. The 23rd edition has been updated by engineering author and consultant electrical engineer, Martin Heathcote. Major revisions have been made to the sections on semiconductors, power generation, transformers, building automation systems, electric vehicles, electrical equipment for use in hazardous areas, and electrical installation (reflecting the changes introduced to the IEE Wiring Regulations BS7671: 2001).

Newnes Engineering and Physical Science Pocket Book is an easy reference of engineering formulas, definitions, and general information. Part One deals with the definitions and formulas used in general engineering science, such as those concerning SI units, density, scalar and vector quantities, and standard quantity symbols and their units. Part Two pertains to electrical engineering science and includes basic d.c. circuit theory, d.c. circuit analysis, electromagnetism, and electrical measuring instruments. Part Three involves mechanical engineering and physical science. This part covers formulas on speed, velocity, acceleration, force, as well as definitions and discussions on waves, interference, diffraction, the effect of forces on materials, hardness, and impact tests. Part Four focuses on chemistry — atoms, molecules, compounds and mixtures. This part examines the laws of chemical combination, relative atomic masses, molecular masses, the mole concept, and chemical bonding in element or compounds. This part also discusses organic chemistry (carbon based except oxides, metallic carbonates, metallic hydrogen carbonate, metallic carbonyls) and inorganic chemistry (non-carbon elements). This book is intended as a reference for students, technicians, scientists, and engineers in their studies or work in electrical engineering, mechanical engineering, chemistry, and general engineering science.

This document is designed to be a resource for those Linux users wishing to seek clarification on Linux/UNIX/POSIX related terms and jargon. At approximately 24000 definitions and two thousand pages it is one of the largest Linux related dictionaries currently available. Due to the rapid rate at which new terms are being created it has been decided that this will be an active project. We welcome input into the content of this document. At this moment in time half yearly updates are being envisaged. Please note that if you wish to find a 'Computer Dictionary' then see the 'Computer Dictionary Project' at <http://computerdictionary.tsf.org.za/> Searchable databases exist at locations such as: <http://www.swpearl.com/eng/scripts/dictionary/> (SWP) Sun Wah-PearL Linux Training and Development Centre is a centre of the Hong Kong Polytechnic University, established in 2000. Presently SWP is delivering professional grade Linux and related Open Source Software (OSS) technology training and consultant service in Hong Kong. SWP has an ambitious aim to promote the use of Linux and related Open Source

Software (OSS) and Standards. The vendor independent positioning of SWP has been very well perceived by the market. Throughout the last couple of years, SWP becomes the Top Leading OSS training and service provider in Hong Kong. <http://www.geona.com/dictionary?b=Geona>, operated by Gold Vision Communications, is a new powerful search engine and internet directory, delivering quick and relevant results on almost any topic or subject you can imagine. The term "Geona" is an Italian and Hebrew name, meaning wisdom, exaltation, pride or majesty. We use our own database of spidered web sites and the Open Directory database, the same database which powers the core directory services for the Web's largest and most popular search engines and portals. Geona is spidering all domains listed in the non-adult part of the Open Directory and millions of additional sites of general interest to maintain a fulltext index of highly relevant web sites. <http://www.linuxdig.com/documents/dictionary.php>

LINUXDIG.COM, "Yours News and Resource Site", LinuxDig.com was started in May 2001 as a hobby site with the original intention of getting the RFC's online and becoming an Open Source software link/download site. But since that time the site has evolved to become a RFC distribution site, linux news site and a locally written technology news site (with bad grammar :)) with focus on Linux while also containing articles about anything and everything we find interesting in the computer world. LinuxDig.Com contains about 20,000 documents and this number is growing everyday! <http://linux.about.com/library/glossary/blglossary.htm> Each month more than 20 million people visit About.com. Whether it be home repair and decorating ideas, recipes, movie trailers, or car buying tips, our Guides offer practical advice and solutions for every day life. Wherever you land on the new About.com, you'll find other content that is relevant to your interests. If you're looking for "How To" advice on planning to re-finish your deck, we'll also show you the tools you need to get the job done. If you've been to About before, we'll show you the latest updates, so you don't see the same thing twice. No matter where you are on About.com, or how you got here, you'll always find content that is relevant to your needs. Should you wish to possess your own localised searchable version please make use of the available "dict", <http://www.dict.org/> version at the Linux Documentation Project home page, <http://www.tldp.org/> The author has decided to leave it up to readers to determine how to install and run it on their specific systems. An alternative form of the dictionary is available at: <http://elibrary.fultus.com/covers/technical/linux/guides/Linux-Dictionary/cover.html>

Fultus Corporation helps writers and companies to publish, promote, market, and sell books and eBooks. Fultus combines traditional self-publishing practices with modern technology to produce paperback and hardcover print-on-demand (POD) books and electronic books (eBooks). Fultus publishes works (fiction, non-fiction, science fiction, mystery, ...) by both published and unpublished authors. We enable you to self-publish easily and cost-effectively, creating your book as a print-ready paperback or hardcover POD book or as an electronic book (eBook) in multiple eBook's formats. You retain all rights to your work. We provide distribution to bookstores worldwide. And all at a fraction of the cost of traditional publishing. We also offer corporate publishing solutions that enable businesses to produce and deliver manuals and documentation more efficiently and economically. Our use of electronic delivery and print-on-demand technologies reduces printed inventory and saves time. Please inform the author as to whether you would like to create a database or an alternative form of the dictionary so that he can include you in this list. Also note that the author considers breaches of copyright to be extremely serious. He will pursue all claims to the fullest extent of the law.

Essential Linux addresses and provides the essential information for getting a Linux system up and running, looking after it, and using it. It includes many screen shots and examples of essential commands and utilities. This book focuses on practical installations, such as converting IBM PCs, transferring data from Windows and MS-DOS, and running Linux in conjunction with Windows. Provides detailed instructions and advice on installation for many different systems and environments. By author of UNIX Pocket Book, which was chosen by PC

Magazine as a recommended UNIX book. CD-ROM contains Versions 1.3 and 2.0 of Linux with installation details.

Explains the RISC-based superscalar architecture of the PowerPC processor and how it can be exploited in programming and system design, combining architectural explanations with practical advice. Covers programming models, branching and flow control, memory management, cache control, and superscalar operation. Includes extensive reference material on SPR register numbering, PowerPC instruction set, and programming techniques.

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Newnes PC Troubleshooting Pocket Book provides a concise and compact reference that describes, in a clear and straightforward manner, the principles and practice of faultfinding and upgrading PCs and peripherals. The strong practical emphasis is backed up with many illustrations and examples of real-life problems. The book is aimed at anyone who is involved with the installation, configuration, maintenance, upgrading, repair or support of PC systems. It also provides non-technical users with sufficient background information, charts and checklists to enable the diagnosis of faults and help to carry out simple modifications and repairs. The new edition of PC Troubleshooting will continue to include a number of short cuts that are instrumental in avoiding hours of potential frustration and costly effort. In order to reflect rapid changes in computer technology (both hardware and software) this new edition has been completely revised and rewritten. New and expanded sections on: modern machines (Pentium II, III, IV, AMD); modern buses (FSB, AGP, Cyrix, Chip sets); different RAM chip types and connectors; Win 2000, ME, XP; latest SCSI standards, Ultra DMA, "live" re-partitioning of the disc, FAT16, FAT32, NTFS, performance and compatibility differences; 'famous' viruses and personal firewalls. * All the essential data for PC fault-finding and upgrading * Ideal for systems support staff, businesses, students, teachers, and home PC users * Strong practical emphasis is backed up with many illustrations and examples of real problems

The open source nature of Linux has always intrigued embedded engineers, and the latest kernel releases have provided new features enabling more robust functionality for embedded applications. Enhanced real-time performance, easier porting to new architectures, support for microcontrollers and an improved I/O system give embedded engineers even more reasons to love Linux! However, the rapid evolution of the Linux world can result in an eternal search for new information sources that will help embedded programmers to keep up! This completely updated second edition of noted author Doug Abbott's respected introduction to embedded Linux brings readers up-to-speed on all the latest developments. This practical, hands-on guide covers the many issues of special concern to Linux users in the embedded space, taking into account their specific needs and constraints. You'll find updated information on:

- The GNU toolchain
- Configuring and building the kernel
- BlueCat Linux
- Debugging on the target
- Kernel Modules
- Devices Drivers
- Embedded Networking
- Real-time programming tips and techniques
- The RTAI environment
- And much more

The accompanying CD-ROM contains all the source code from the book's examples, helpful software and other resources to help you get up to speed quickly. This is still the reference you'll reach for again and again! * 100+ pages of new material adds depth and breadth to the 2003 embedded bestseller. * Covers new Linux kernel 2.6 and the recent major OS release, Fedora. * Gives the engineer a guide to working with popular and cost-efficient open-source code.

The third edition of Steve Heath's popular Newnes Pocket Book successfully guides the UNIX user away from the morass of user manuals to essential information needed to perform a variety of tasks. This easy to use reference book covers most of the user commands and system functions for the majority of UNIX systems. Based on the two main implementations - System V and the Berkeley enhancements - this book covers all the administrative functions that are essential to the system's maintenance as well as basic commands and configurations.

Despite the complexity of the subject, this wealth of information is presented succinctly and in such a way, using tables, diagrams and brief explanatory text, as to allow the user to locate information quickly and easily. Thus the book should be invaluable to those involved with the installation, commissioning and maintenance of data communications equipment, as well as the end user. A practical engineer's reference that puts the key information at your fingertips
Covers essential data, techniques and working practice
This update covers the latest international regulations

This book aims to provide insights on new trends in power systems operation and control and to present, in detail, analysis methods of the power system behavior (mainly its dynamics) as well as the mathematical models for the main components of power plants and the control systems implemented in dispatch centers. Particularly, evaluation methods for rotor angle stability and voltage stability as well as control mechanism of the frequency and voltage are described. Illustrative examples and graphical representations help readers across many disciplines acquire ample knowledge on the respective subjects. A world list of books in the English language.

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