

Michael Kofler Linux 2013

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Python for Biologists - Martin Jones 2013

Python for biologists is a complete programming course for beginners that will give you the skills you need to tackle common biological and bioinformatics problems.

Linux in a Nutshell - Ellen Siever 2005

Over the last few years, Linux has grown both as an operating system and a tool for personal and business use. Simultaneously becoming more user friendly and more powerful as a back-end system, Linux has achieved new plateaus: the newer filesystems have solidified, new commands and tools have appeared and become standard, and the desktop--including new desktop environments--have proved to be viable, stable, and readily accessible to even those who don't consider themselves computer gurus. Whether you're using Linux for personal software projects, for a small office or home office (often termed the SOHO environment), to provide services to a small group of colleagues, or to administer a site responsible for millions of email and web connections each day, you need quick access to information on a wide range of tools. This book covers all aspects of administering and making effective use of Linux systems. Among its topics are booting, package management, and revision control. But foremost in Linux in a Nutshell are the utilities and commands that make Linux one of the most powerful

and flexible systems available. Now in its fifth edition, Linux in a Nutshell brings users up-to-date with the current state of Linux. Considered by many to be the most complete and authoritative command reference for Linux available, the book covers all substantial user, programming, administration, and networking commands for the most common Linux distributions. Comprehensive but concise, the fifth edition has been updated to cover new features of major Linux distributions.

Configuration information for the rapidly growing commercial network services and community update services is one of the subjects covered for the first time. But that's just the beginning. The book covers editors, shells, and LILO and GRUB boot options. There's also coverage of Apache, Samba, Postfix, sendmail, CVS, Subversion, Emacs, vi, sed, gawk, and much more. Everything that system administrators, developers, and power users need to know about Linux is referenced here, and they will turn to this book again and again.

Running Linux - Matthias Kalle Dalheimer 2005-12-22

You may be contemplating your first Linux installation. Or you may have been using Linux for years and need to know more about adding a network printer or setting up an FTP server. Running Linux, now in its fifth edition, is the book you'll want on hand in either case. Widely recognized in the Linux community as the ultimate getting-started and

problem-solving book, it answers the questions and tackles the configuration issues that frequently plague users, but are seldom addressed in other books. This fifth edition of *Running Linux* is greatly expanded, reflecting the maturity of the operating system and the teeming wealth of software available for it. Hot consumer topics such as audio and video playback applications, groupware functionality, and spam filtering are covered, along with the basics in configuration and management that always have made the book popular. *Running Linux* covers basic communications such as mail, web surfing, and instant messaging, but also delves into the subtleties of network configuration--including dial-up, ADSL, and cable modems--in case you need to set up your network manually. The book can make you proficient on office suites and personal productivity applications--and also tells you what programming tools are available if you're interested in contributing to these applications. Other new topics in the fifth edition include encrypted email and filesystems, advanced shell techniques, and remote login applications. Classic discussions on booting, package management, kernel recompilation, and X configuration have also been updated. The authors of *Running Linux* have anticipated problem areas, selected stable and popular solutions, and provided clear instructions to ensure that you'll have a satisfying experience using Linux. The discussion is direct and complete enough to guide novice users, while still providing the additional information experienced users will need to progress in their mastery of Linux. Whether you're using Linux on a home workstation or maintaining a network server, *Running Linux* will provide expert advice just when you need it.

RapidMiner - Markus Hofmann 2016-04-19

Powerful, Flexible Tools for a Data-Driven World As the data deluge continues in today's world, the need to master data mining, predictive analytics, and business analytics has never been greater. These techniques and tools provide unprecedented insights into data, enabling better decision making and forecasting, and ultimately the solution of increasingly complex problems. Learn from the Creators of the RapidMiner Software Written by leaders in the data mining community,

including the developers of the RapidMiner software, *RapidMiner: Data Mining Use Cases and Business Analytics Applications* provides an in-depth introduction to the application of data mining and business analytics techniques and tools in scientific research, medicine, industry, commerce, and diverse other sectors. It presents the most powerful and flexible open source software solutions: RapidMiner and RapidAnalytics. The software and their extensions can be freely downloaded at www.RapidMiner.com. *Understand Each Stage of the Data Mining Process* The book and software tools cover all relevant steps of the data mining process, from data loading, transformation, integration, aggregation, and visualization to automated feature selection, automated parameter and process optimization, and integration with other tools, such as R packages or your IT infrastructure via web services. The book and software also extensively discuss the analysis of unstructured data, including text and image mining. *Easily Implement Analytics Approaches Using RapidMiner and RapidAnalytics* Each chapter describes an application, how to approach it with data mining methods, and how to implement it with RapidMiner and RapidAnalytics. These application-oriented chapters give you not only the necessary analytics to solve problems and tasks, but also reproducible, step-by-step descriptions of using RapidMiner and RapidAnalytics. The case studies serve as blueprints for your own data mining applications, enabling you to effectively solve similar problems.

[Ubuntu Linux Bible](#) - William von Hagen 2007-03-26

Everything you need to know—and then some! It's the fastest-growing, coolest Linux distribution out there, and now you can join the excitement with this information-packed guide. Want to edit graphics? Create a spreadsheet? Manage groups? Set up an NFS server? You'll learn it all and more with the expert guidance, tips, and techniques in this first-ever soup-to-nuts book on Ubuntu. From the basics for newcomers to enterprise management for system administrators, it's what you need to succeed with Ubuntu. Master the fundamentals for desktop and networks Send e-mail, share files, edit text, and print Download music, watch DVDs, and play games Use Ubuntu on laptops, go wireless, or synch it

with your PDA Set up Web, mail, print, DNS, DHCP, and other servers
Manage groups and secure your network What's on the CD-ROM? Test-drive Ubuntu on your computer without changing a thing using the bootable Ubuntu Desktop Live CD included with this book. If you decide to install it permanently, a simple, easy-to-use installer is provided. Also on the CD, you'll find: Popular open-source software for Microsoft(r) Windows(r), such as AbiWord, Firefox(r), GIMP, and more An easy-to-use application that simplifies installing these programs on your Microsoft Windows system System Requirements: Please see the "About the CD-ROM Appendix" for details and complete system requirements. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Metafun - Hans Hagen 2010

Maximum RPM - Edward C. Bailey 1997

The complete reference for the RPM software package that is the heart of the Red Hat Linux distribution. Designed for both the novice and advanced users, Maximum RPM enables anyone to take full advantage of the benefits of building software packages with the Red Hat Package management tools to ensure that they install simply and accurately each and every time.

Jetzt lerne ich Linux im Büro - Michael Kofler 2004

Linux on the Mainframe - John Eilert 2003

This is the comprehensive guide to Linux on the mainframe straight from the IBM Linux experts. The book covers virtualization, security, systems management, and more.

Definitive Guide to Excel VBA - Michael Kofler 2008-01-01

- Kofler's book offers more up-to-date coverage than other books on the market - Provides in-depth coverage of topics normally overlooked, such as the File Scripting Objects, accessing external databases using the ADO library, automating data analysis with pivot tables, and automating diagrams.

Digital Entrepreneurship - Mariusz Soltanifar 2020-11-13

This open access book explores the global challenges and experiences related to digital entrepreneurial activities, using carefully selected examples from leading companies and economies that shape world business today and tomorrow. Digital entrepreneurship and the companies steering it have an enormous global impact; they promise to transform the business world and change the way we communicate with each other. These companies use digitalization and artificial intelligence to enhance the quality of decisions and augment their business and customer operations. This book demonstrates how cloud services are continuing to evolve; how cryptocurrencies are traded in the banking industry; how platforms are created to commercialize business, and how, taken together, these developments provide new opportunities in the digitalized era. Further, it discusses a wide range of digital factors changing the way businesses operate, including artificial intelligence, chatbots, voice search, augmented and virtual reality, as well as cyber threats and data privacy management. "Digitalization mirrors the Industrial Revolution's impact. This book provides a complement of perspectives on the opportunities emanating from such a deep seated change in our economy. It is a comprehensive collection of thought leadership mapped into a very useful framework. Scholars, digital entrepreneurs and practitioners will benefit from this timely work." Gina O'Connor, Professor of Innovation Management at Babson College, USA "This book defines and delineates the requirements for companies to enable their businesses to succeed in a post-COVID19 world. This book deftly examines how to accomplish and achieve digital entrepreneurship by leveraging cloud computing, AI, IoT and other critical technologies. This is truly a unique "must-read" book because it goes beyond theory and provides practical examples." Charlie Isaacs, CTO of Customer Connection at Salesforce.com, USA "This book provides digital entrepreneurs useful guidance identifying, validating and building their venture. The international authors developed new perspectives on digital entrepreneurship that can support to create impact ventures." Felix Staeritz, CEO FoundersLane, Member of the World Economic Forum Digital Leaders Board and bestselling author of FightBack, Germany

Windows Subsystem for Linux 2 (WSL 2) Tips, Tricks, and Techniques - Stuart Leeks 2020-10-23

A practical handbook that will help you bridge the gap between Windows and Linux to develop apps that leverage the best features across both ecosystems with seamless interoperability Key Features Configure and control WSL to suit your needs and preferences Discover tips for working seamlessly between Windows and WSL Linux distros Learn how to work effectively with containers in WSL, as well as how to containerize your development environments with Visual Studio Code to isolate your dependencies Book Description Windows Subsystem for Linux (WSL) allows you to run native Linux tools alongside traditional Windows applications. Whether you're developing applications across multiple operating systems or looking to add more tools to your Windows environment, WSL offers endless possibilities. You'll start by understanding what WSL is and learn how to install and configure WSL along with different Linux distros. Next, you'll learn techniques that allow you to work across both Windows and Linux environments. You'll discover how to install and customize the new Windows Terminal. We'll also show you how to work with code in WSL using Visual Studio Code (VS Code). In addition to this, you'll explore how to work with containers with Docker and Kubernetes, and how to containerize a development environment using VS Code. While Microsoft has announced support for GPU and GUI applications in an upcoming release of WSL, at the time of writing these features are either not available or only in early preview releases. This book focuses on the stable, released features of WSL and giving you a solid understanding of the amazing techniques that you can use with WSL today. By the end of this book, you'll be able to configure WSL and Windows Terminal to suit your preferences, and productively use Visual Studio Code for developing applications with WSL. What you will learn Install and configure Windows Subsystem for Linux and Linux distros Access web applications running in Linux from Windows Invoke Windows applications, file systems, and environment variables from bash in WSL Customize the appearance and behavior of the Windows Terminal to suit your preferences and workflows Explore various tips for enhancing

the Visual Studio Code experience with WSL Install and work with Docker and Kubernetes within Windows Subsystem for Linux Discover various productivity tips for working with Command-line tools in WSL Who this book is for This book is for developers who want to use Linux tools on Windows, including Windows-native programmers looking to ease into a Linux environment based on project requirements or Linux developers who've recently switched to Windows. This book is also for web developers working on open source projects with Linux-first tools such as Ruby or Python, or developers looking to switch between containers and development machines for testing apps. Prior programming or development experience and a basic understanding of running tasks in bash, PowerShell, or the Windows Command Prompt will be required.

Arabic Natural Language Processing - Nizar Y. Habash 2009-11-15
This book provides system developers and researchers in natural language processing and computational linguistics with the necessary background information for working with the Arabic language. The goal is to introduce Arabic linguistic phenomena and review the state-of-the-art in Arabic processing. The book discusses Arabic script, phonology, orthography, morphology, syntax and semantics, with a final chapter on machine translation issues. The chapter sizes correspond more or less to what is linguistically distinctive about Arabic, with morphology getting the lion's share, followed by Arabic script. No previous knowledge of Arabic is needed. This book is designed for computer scientists and linguists alike. The focus of the book is on Modern Standard Arabic; however, notes on practical issues related to Arabic dialects and languages written in the Arabic script are presented in different chapters. Table of Contents: What is "Arabic"? / Arabic Script / Arabic Phonology and Orthography / Arabic Morphology / Computational Morphology Tasks / Arabic Syntax / A Note on Arabic Semantics / A Note on Arabic and Machine Translation

Linux - Jürgen Gulbins 2013-03-07

Dieses Hand- und Arbeitsbuch stellt die Konzepte und Anwendungstechniken von Linux vor. Viele Einzelheiten werden zusammenhängend und verständlich dargestellt. Die Autoren

beschreiben die häufig verwendeten Kommandos und Funktionen detailliert und erläutern sie an zahlreichen Beispielen. Damit soll das Werk den Einstieg in Linux und den Umstieg auf Linux erleichtern und dem Benutzer und Administrator als kompaktes Nachschlagewerk bei der täglichen Arbeit am Linux-Rechner dienen. Es werden sowohl die alphanumerische Oberfläche als auch die grafischen Oberflächen KDE und GNOME behandelt. Die Autoren verfügen über langjährige Erfahrungen aus der Praxis mit UNIX und Linux und gehen vor allem auf SuSE- und Red Hat-Linux ein.

The Definitive Guide to MySQL 5 - Michael Kofler 2006-11-22

* MySQL 5, due to be released in summer 2005, is slated to be the most significant release in the product's history. The Definitive Guide to MySQL 5, Third Edition is the first book to offer in-depth instruction on the new features. * This book shows readers how to connect to MySQL via all of the major APIs, including PHP, Perl, Java, JSP, and C#. * Novice and intermediate database administrators are introduced to both MySQL's key features, and crucial database management concepts by way of real-world examples such as discussion forums, online polls, and other data administration projects.

The Architecture of Open Source Applications - Amy Brown 2011

Beschrijving van vijftientig open source applicaties.

The Definitive Guide to MySQL - Michael Kofler 2004

Provides instructions on installing MySQL and building applications with a variety of programming languages.

Avalanche Dynamics - S.P. Pudasaini 2007-06-30

Avalanches, mudflows and landslides are common and natural phenomena that occur in mountainous regions. With an emphasis on snow avalanches, this book provides a survey and discussion about the motion of avalanche-like flows from initiation to run out. An important aspect of this book is the formulation and investigation of a simple but appropriate continuum mechanical model for the realistic prediction of geophysical flows of granular material.

Applied Computer Science for GGOS Observatories - Alexander N.J. Neidhardt 2017-08-08

This book combines elementary theory from computer science with real-world challenges in global geodetic observation, based on examples from the Geodetic Observatory Wettzell, Germany. It starts with a step-by-step introduction to developing stable and safe scientific software to run successful software projects. The use of software toolboxes is another essential aspect that leads to the application of generative programming. An example is a generative network middleware that simplifies communication. One of the book's main focuses is on explaining a potential strategy involving autonomous production cells for space geodetic techniques. The complete software design of a satellite laser ranging system is taken as an example. Such automated systems are then combined for global interaction using secure communication tunnels for remote access. The network of radio telescopes is used as a reference. Combined observatories form coordinated multi-agent systems and offer solutions for operational aspects of the Global Geodetic Observing System (GGOS) with regard to "Industry 4.0".

Digital Information and Communication Technology and Its Applications - Hocine Cherifi 2011-06-17

This two-volume set CCIS 166 and 167 constitutes the refereed proceedings of the International Conference on Digital Information and Communication Technology and its Applications, DICTAP 2011, held in Dijon, France, in June 2010. The 128 revised full papers presented in both volumes were carefully reviewed and selected from 330 submissions. The papers are organized in topical sections on Web applications; image processing; visual interfaces and user experience; network security; ad hoc network; cloud computing; Data Compression; Software Engineering; Networking and Mobiles; Distributed and Parallel processing; social networks; ontology; algorithms; multimedia; e-learning; interactive environments and emergent technologies for e-learning; signal processing; information and data management.

Modsecurity Handbook, Second Edition - Christian Folini 2017-07-15
ModSecurity Handbook is the definitive guide to ModSecurity, the popular open source web application firewall. Written by Christian Folini and ModSecurity's original developer, Ivan Ristic, this book will teach

you how to monitor activity on your web sites and protect them from attack. Situated between your web sites and the world, web application firewalls provide an additional security layer, monitoring everything that comes in and everything that goes out in real time. They enable you to perform many advanced activities, such as access control, virtual patching, HTTP traffic logging, continuous passive security assessment, and web application hardening. Web application firewalls can be very effective in preventing application security attacks, such as SQL injection, cross-site scripting, remote file inclusion, and others that plague most web sites today. ModSecurity Handbook covers the following topics, which will help anyone with a web site to run:

- Installation and configuration of ModSecurity
- Detailed guide to writing rules
- IP address, session, and user tracking
- Session management
- hardening
- Whitelisting, blacklisting, and IP reputation management
- Anomaly scoring and advanced blocking strategies
- Integration with other Apache modules
- Working with predefined rule sets
- Virtual patching and content injection
- Performance considerations
- Writing rules in Lua and extending ModSecurity in C
- Detailed coverage of ModSecurity's numerous directives, variables, transformations, and operators

The book is suitable for all reader levels: It takes newcomers by the hand to turn them into seasoned users, while seasoned users will learn advanced techniques from the top experts on the subject and find hidden clues to master the rule language. An updated ModSecurity Reference Manual is included in the second part of the book.

ABOUT THE AUTHORS

Dr. Christian Folini is a twelve-year veteran of ModSecurity. He is a renowned speaker, teacher, and system engineer who has specialized in securing high-profile web servers. Christian is one of the leaders of the OWASP ModSecurity Core Rule Set project, a key member of the ModSecurity community, program chair of the Swiss Cyber Storm conference, and vice president of Swiss Cyber Experts (a public-private partnership).

Ivan Ristic is a security researcher, engineer, and author, known especially for his contributions to the web application firewall field and development of ModSecurity, an open source web application firewall, and for his SSL/TLS and PKI research, tools and guides

published on the SSL Labs web site. His latest project, Hardenize, is a security posture analysis service that makes security fun again. He is the author of three books, Apache Security, ModSecurity Handbook, and Bulletproof SSL and TLS.

Praktische Systemprogrammierung - Helmut Weber 2013-07-29
Das Buch behandelt die Grundlagen der Systemprogrammierung und Systemprogrammiersprachen, so daß es auch für Lehrveranstaltungen eingesetzt werden kann. Am Beispiel von UNIX wird die systemnahe Programmierung in C mit Systemaufrufen und systemspezifischen Bibliotheksfunktionen erläutert. Hinzu kommt die Benutzung der UNIX-Shells, der wesentlichen Programmentwicklungswerkzeuge vom C-Compiler bis zu den Compilerbautools lex und yacc. Zur Vertiefung der Inhalte tragen zahlreiche Programmbeispiele bei. Das Lehrbuch geht auch auf Fragen der Portierbarkeit zu anderen Betriebssystemen ein.

Hello World! - Warren Sande 2009

Presents a guide for beginners on the fundamentals of computer programming using the Python language.

Grundkurs Socketprogrammierung mit C unter Linux - Martin Pollakowski 2013-03-13

Wer Internet, PC und/oder Handy zur Kommunikation nutzen möchte benötigt möglichst einfache und schnelle Client-Server-Programme. Diese werden Sie mit Hilfe des Buches selbst leicht programmieren können - und dabei davon profitieren, dass es mit Verwendung von Open-Source-Software sogar meist kostenlos möglich ist. Das Buch bietet einen schnellen und einfachen Einstieg in die Programmierung von Web-Browsern und Web-Servern mit Hilfe von Sockets. Die hier vorgestellten Anwendungen sind schlank, d. h. äußerst ressourcenschonend und daher besonders für Embedded-Systems geeignet.

The Physics of the B Factories - Adrian Bevan 2015-03-23

This comprehensive work thoroughly introduces and reviews the set of results from Belle and BaBar - after more than two decades of independent and complementary work - all the way from the detectors and the analysis tools used, up to the physics results, and the interpretation of these results. The world's two giant B Factory

collaborations, Belle at KEK and BaBar at SLAC, have successfully completed their main mission to discover and quantify CP violation in the decays of B mesons. CP violation is a necessary requirement to distinguish unambiguously between matter and antimatter. The shared primary objective of the two B Factory experiments was to determine the shape of the so-called unitarity triangle, an abstract triangle representing interactions of quarks, the elementary constituents of matter. The area of the triangle is a measure of the amount of CP violation associated with the weak force. Many other measurements have been performed by the B Factories and are also discussed in this work.

Open Services Innovation - Henry Chesbrough 2011-01-18

The father of "open innovation" is back with his most significant book yet. Henry Chesbrough's acclaimed book *Open Innovation* described a new paradigm for management in the 21st century. *Open Services Innovation* offers a new approach that demonstrates how open innovation combined with a services approach to business is an effective and powerful way to grow and compete in our increasingly services-driven economy. Chesbrough shows how companies in any industry can make the critical shift from product- to service-centric thinking, from closed to open innovation where co-creating with customers enables sustainable business models that drive continuous value creation for customers. He maps out a strategic approach and proven framework that any individual, business unit, company, or industry can put to work for renewed growth and profits. The book includes guidance and compelling examples for small and large companies, services businesses, and emerging economies, as well as a path forward for the innovation industry. "Whether you are managing a product or a service, your business needs to become more open and more inclusive in order to be more innovative. *Open Services Innovation* will be an invaluable guide to intrepid managers who commit to making that journey." —GARY HAMEL, visiting professor, London Business School; director, Management Lab; and author, *The Future of Management* "I tore out page after page to share with my leaders. Chesbrough has pioneered an entire rethink of business innovation that's rich in concept, deeply explained, with tools

ready to use in every industry." —SCOTT COOK, founder and chairman of the executive committee, Intuit "Focusing on core competence often tempts managers to keep continuing what succeeded in the past. A far more important question is what capabilities are critical in the future, and Chesbrough shows how to ask and answer these issues." —CLAYTON CHRISTENSEN, Robert & Jane Cizik Professor of Business Administration, Harvard Business School, and author, *The Innovator's Dilemma* "To thrive, businesses will need to master the lessons of open service innovation. Here is their one-stop guidebook with important lessons clearly and compellingly presented." —JAMES C. SPOHRER, director, IBM University Programs World-Wide "Open Innovation pioneer Henry Chesbrough breaks new ground with *Open Services Innovation*, a persuasive argument for the power of co-creation in the world of services." —TOM KELLEY, general manager, IDEO, and author, *The Ten Faces of Innovation, The Art of Innovation* "With his trademark style of beautifully explained examples, Henry Chesbrough shows how open service innovation and new business models can help you escape this product commodity trap and bring you to the next level of competition." —ALEX OSTERWALDER, author, *Business Model Generation* "Open Services Innovation shows how a business can redefine itself as a service organisation and tap into faster growth through shared innovation." —SIR TERRY LEAHY, chief executive, Tesco "Chesbrough shows how innovating openly with a services mindset can make you a market leader." —CHARLENE LI, author, *Open Leadership*, and founder, Altimeter Group

Linux 2013 - Michael Kofler 2012

Softwareentwicklung - Albin Meyer 2018-06-25

Ein kompaktes Nachschlagewerk, geballt mit viel Wissen! Dieser praxisorientierte Kompass liefert Informationen über das gesamte Themenspektrum der Softwareentwicklung: Projektmanagement, Requirements Engineering, Softwarearchitektur, Programmierung und Qualitätssicherung. Ob es sich um ein Projekt im Bereich Web, Desktop, Mobile, IoT, Big Data oder Cloud handelt, es finden sich viele Tipps und

Tricks für die tägliche Arbeit. Dieses Buch unterstützt Entscheidungsträger bei der Wahl von Hardware, Plattformen, Programmiersprachen, Tools und Librarys. Es hilft weiter bei Fragen zur Sicherheit, zum Monitoring des produktiven Systems und zur Dokumentation. In der Praxis immer wiederkehrende bewährte Muster werden kurz und bündig erklärt. Erfahrungen mit verschiedenen Vorgehensmodellen werden diskutiert, vom Wasserfall bis zu agilen Prozessen. Sowohl Berufseinsteiger als auch erfahrene Professionals finden hier konkrete Lösungsideen für die Herausforderungen im Berufsalltag und Hinweise zu weiterführender Literatur.

Ubuntu 8.10 "Intrepid Ibex" - Michael Kofler 2009

METAPOST - Entenmann, Walter

METAPOST von John D. Hobby ist eine graphische Programmiersprache und ein Compiler/Interpreter zur Erzeugung von qualitativ hochwertigen Graphiken. Die Ausgabe erfolgt als Vektorgraphik im PostScript-Format. Das Buch zeigt aus der Sicht des Anwenders wie man Zeichnungen für Veröffentlichungen, Bücher, Berichte und Skripten anhand praktischer Vorgaben systematisch entwirft. Insbesondere wird die Beschriftung mit TEX/LATEX und verschiedenen Fonts ausführlich behandelt sowie die Wandlung der Graphiken in stand-alone eps- und PDF-Files und deren Einbindung in ein Dokument. Die angegebenen Templates und der Workflow als Shell-Skript erleichtern den Entwurfsprozess. Der zweite Teil des Buches ist den praktischen Anwendungen gewidmet. Dazu gehört in erster Linie das Zeichnen von Diagrammen aller Art wie Funktionsverläufe, Block- und Balkendiagramme, statistische Darstellungen usw. Als umfangreichere Anwendung wird die Perspektivische Abbildung behandelt. Neu hinzugekommen ist das letzte Kapitel über die Einbettung von MP-Code in ein LATEX-Dokument mit LuaLATEX und der MP-Library luamplib.

Deep Learning for Computer Architects - Brandon Reagen
2017-08-22

This is a primer written for computer architects in the new and rapidly evolving field of deep learning. It reviews how machine learning has

evolved since its inception in the 1960s and tracks the key developments leading up to the emergence of the powerful deep learning techniques that emerged in the last decade. Machine learning, and specifically deep learning, has been hugely disruptive in many fields of computer science. The success of deep learning techniques in solving notoriously difficult classification and regression problems has resulted in their rapid adoption in solving real-world problems. The emergence of deep learning is widely attributed to a virtuous cycle whereby fundamental advancements in training deeper models were enabled by the availability of massive datasets and high-performance computer hardware. It also reviews representative workloads, including the most commonly used datasets and seminal networks across a variety of domains. In addition to discussing the workloads themselves, it also details the most popular deep learning tools and show how aspiring practitioners can use the tools with the workloads to characterize and optimize DNNs. The remainder of the book is dedicated to the design and optimization of hardware and architectures for machine learning. As high-performance hardware was so instrumental in the success of machine learning becoming a practical solution, this chapter recounts a variety of optimizations proposed recently to further improve future designs. Finally, it presents a review of recent research published in the area as well as a taxonomy to help readers understand how various contributions fall in context.

LINUX - Michael Kofler 2000

Get running fast on Linux by learning its leading applications. Maximize productivity, learn how to use Linux Internet services, how to work with Emacs and much more. Latest distributions covered include: RedHat 6, Caldera 2, Debian, and SuSE 6. Two CD-ROMs contain both RedHat 6 and SuSE 6.

The Road Chose Me Volume 1 - Dan Grec 2018-05-05

When Dan set out to drive his Jeep from the Northern tip of Alaska to Tierra del Fuego on the Southern tip of South America, he had no idea how much the adventure would change his life. Over the course of two years, Dan's expedition spanned forty thousand miles through sixteen

countries. Now he will never be the same. After years of saving, dreaming and planning, Dan wanted to find out if an ordinary guy can achieve the extraordinary. With no sponsorship, a modest savings account and a willingness to learn Spanish, Dan threw himself in. Going solo, with no GPS and sleeping in a ground tent, Dan wanted to experience everything the Americas have to offer. From poking lava with a stick and hiking among world-famous mountains to corrupt military and camping with Ecuadorian locals - every day provided something new. With his eyes and ears open to the world around him, Dan met many interesting and thought-provoking characters. With their guidance and prodding, and by using their unique perspective, Dan was able to learn many valuable life lessons. Running to the beat of a different drum, Latin America was the perfect classroom for Dan to view our modern work-a-day world through an entirely new lens.

Camera Networks - Amit K. Roy-Chowdhury 2012

As networks of video cameras are installed in many applications like security and surveillance, environmental monitoring, disaster response, and assisted living facilities, among others, image understanding in camera networks is becoming an important area of research and technology development. There are many challenges that need to be addressed in the process. Some of them are listed below: - Traditional computer vision challenges in tracking and recognition, robustness to pose, illumination, occlusion, clutter, recognition of objects, and activities; - Aggregating local information for wide area scene understanding, like obtaining stable, long-term tracks of objects; - Positioning of the cameras and dynamic control of pan-tilt-zoom (PTZ) cameras for optimal sensing; - Distributed processing and scene analysis algorithms; - Resource constraints imposed by different applications like security and surveillance, environmental monitoring, disaster response, assisted living facilities, etc. In this book, we focus on the basic research problems in camera networks, review the current state-of-the-art and present a detailed description of some of the recently developed methodologies. The major underlying theme in all the work presented is to take a network-centric view whereby the overall decisions are made at

the network level. This is sometimes achieved by accumulating all the data at a central server, while at other times by exchanging decisions made by individual cameras based on their locally sensed data. Chapter One starts with an overview of the problems in camera networks and the major research directions. Some of the currently available experimental testbeds are also discussed here. One of the fundamental tasks in the analysis of dynamic scenes is to track objects. Since camera networks cover a large area, the systems need to be able to track over such wide areas where there could be both overlapping and non-overlapping fields of view of the cameras, as addressed in Chapter Two: Distributed processing is another challenge in camera networks and recent methods have shown how to do tracking, pose estimation and calibration in a distributed environment. Consensus algorithms that enable these tasks are described in Chapter Three. Chapter Four summarizes a few approaches on object and activity recognition in both distributed and centralized camera network environments. All these methods have focused primarily on the analysis side given that images are being obtained by the cameras. Efficient utilization of such networks often calls for active sensing, whereby the acquisition and analysis phases are closely linked. We discuss this issue in detail in Chapter Five and show how collaborative and opportunistic sensing in a camera network can be achieved. Finally, Chapter Six concludes the book by highlighting the major directions for future research. Table of Contents: An Introduction to Camera Networks / Wide-Area Tracking / Distributed Processing in Camera Networks / Object and Activity Recognition / Active Sensing / Future Research Directions

Earth Observation Open Science and Innovation - Pierre-Philippe Mathieu 2018-01-23

This book is published open access under a CC BY 4.0 license. Over the past decades, rapid developments in digital and sensing technologies, such as the Cloud, Web and Internet of Things, have dramatically changed the way we live and work. The digital transformation is revolutionizing our ability to monitor our planet and transforming the way we access, process and exploit Earth Observation data from

satellites. This book reviews these megatrends and their implications for the Earth Observation community as well as the wider data economy. It provides insight into new paradigms of Open Science and Innovation applied to space data, which are characterized by openness, access to large volume of complex data, wide availability of new community tools, new techniques for big data analytics such as Artificial Intelligence, unprecedented level of computing power, and new types of collaboration among researchers, innovators, entrepreneurs and citizen scientists. In addition, this book aims to provide readers with some reflections on the future of Earth Observation, highlighting through a series of use cases not just the new opportunities created by the New Space revolution, but also the new challenges that must be addressed in order to make the most of the large volume of complex and diverse data delivered by the new generation of satellites.

Противодействия атакам на популярные сетевые сервисы - Станислав Линник 2022-01-29

В пособии изложены теоретические и практические основы методов проникновения в удаленную сетевую инфраструктуру.

Предназначено для студентов вузов по направлению 090900 - «Информационная безопасность».

Ubuntu 8.4 LTS "Hardy Heron" - Michael Kofler 2008

Hacking- The art Of Exploitation - J. Erickson 2018-03-06

This text introduces the spirit and theory of hacking as well as the science behind it all; it also provides some core techniques and tricks of hacking so you can think like a hacker, write your own hacks or thwart

potential system attacks.

Keine Angst vor UNIX - Christine Wolfinger 2013-03-08

Dieses Buch bietet einen leichten Einstieg in UNIX und UNIX-Derivate wie Linux, Solaris, HP-UX oder AIX. Aus der Vielfalt der Kommandos und den fast unendlichen Variationsmöglichkeiten ist das Wesentliche für den Anwender herausgefiltert. Dabei sind die Entwicklungen unter UNIX und darauf aufbauender Software berücksichtigt. An Beispielen aus der Praxis wird gezeigt, wie einfach man mit den Werkzeugen, die UNIX bietet, eine eigene Arbeitsumgebung schaffen kann, die funktionell ist und in der man sich wohlfühlt. Besonders beliebt ist die herausnehmbare Kurzreferenz mit häufig benutzten Kommandos, sie erleichtert die praktische Arbeit sehr.

Linux and the Unix Philosophy - Mike Gancarz 2003-08-15

Unlike so many books that focus on how to use Linux, Linux and the Unix Philosophy explores the "way of thinking that is Linux" and why Linux is a superior implementation of this highly capable operating system. This book is a revision and expansion of a computer science classic. Every chapter has been thoroughly updated with Linux coverage. Linux and the Unix Philosophy falls squarely between the "softer" texts on iterative software design and project management and the "how-to" technical texts. Thus far, no one has come out with a book that addresses this topic, either in the Unix space or the Linux space. Linux and the Unix Philosophy covers the same ground as the first edition, while it also presents bold new ideas about Linux and Open Source. · Concise list of philosophy tenets makes it a handy quick reference · Anecdotal examples personalize the book for the reader · Conversational style makes it easy and joyful to read