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cuda is a computing architecture designed to facilitate the development of parallel programs in conjunction with a comprehensive software platform the cuda architecture enables programmers to draw on the immense power of graphics processing units gpus when building high performance applications gpus of course have long been available for demanding graphics and game applications cuda now brings this valuable resource to programmers working on applications in other domains including science engineering and finance no knowledge of graphics programming is required just the ability to program in a modestly extended version of c cuda by example written by two senior members of the cuda software platform team shows programmers how to employ this new technology the authors introduce each area of cuda development through working examples after a concise introduction to the cuda platform and architecture as well as a quick start guide to cuda c the book details the techniques and trade offs associated with each key cuda feature you ll discover when to use each cuda c extension and how to write cuda software that delivers truly outstanding performance major topics covered include parallel programming thread cooperation constant memory and events texture memory graphics interoperability atomics streams cuda c on multiple gpus advanced atomics additional cuda resources all the cuda software tools you ll need are freely available for download from nvidia developer nvidia com object cuda by example html cuda вычислительная архитектура разработанная компанией nvidia и предназначенная для разработки параллельных программ В сочетании с развитой программной платформой архитектура cuda позволяет программисту задействовать невероятную мощь графических процессоров для создания высокопроизводительных приложений включая научные инженерные и финансовые приложения Книга написана двумя старшими членами команды по разработке программной платформы cuda Новая технология представлена в ней с точки зрения программиста Авторы рассматривают все аспекты разработки на cuda иллюстрируя изложение работающими примерами После краткого введения в саму платформу и архитектуру cuda а также беглого обзора языка cuda с начинается подробное обсуждение различных функциональных возможностей cuda и связанных с ними компромиссов Вы узнаете когда следует использовать то или иное средство и как писать программы демонстрирующие поистине выдающуюся производительность Издание предназначено для программистов а также будет полезно инженерам научным работникам и студентам вузов the two volume set lnai 6922 and lnai 6923 constitutes the refereed proceedings of the third international conference on computational collective intelligence iccci 2011 held in gdynia poland in september 2011 the 112 papers in this two volume set presented together with 3 keynote speeches were carefully reviewed and selected from 300 submissions the papers are organized in topical sections on knowledge management machine learning and applications autonomous and collective decision making collective computations and optimization services and semantic social networks and computational swarm intelligence and applications packed with practical advice this hands on guide provides valuable information you need to most effectively optimize and manage the xenserver open source virtualization platform whether you run a modest installation of a few blades or multiple global enterprise datacenters this book focuses on the most critical issues you re likely to encounter when designing a xenserver deployment and helps you handle day to day management tasks tim mackey and j k benedict from citrix systems the company that manages xenserver show you how to design a deployment through best practices deployment blueprints and installation guidelines the book s second part features concise easy to implement recipes for day to day management such as user rights backup strategies and hardware maintenance learn precisely what makes a xenserver work and how it can host 1000 virtual machines explore the core components of a production xenserver environment investigate several options on how and where to install

xenserver examine several factors for right sizing your xenserver deployment to fit your needs work with a decision tree to optimize your xenserver deployment design understand how to accommodate guest vm virtualization modes use recipes that help you plan for obtain and apply xenserver upgrades this book constitutes the refereed post proceedings of the 9th ifip international conference on network and parallel computing npc 2012 held in gwangju korea in september 2012 the 38 papers presented were carefully reviewed and selected from 136 submissions the papers are organized in the following topical sections algorithms scheduling analysis and data mining network architecture and protocol design network security paralel distributed and virtualization techniques performance modeling prediction and tuning resource management ubiquitous communications and networks and web communication and cloud computing in addition a total of 37 papers selected from five satellite workshops atimcn atsme cloud grid datics and umas 2012 are included

the book constitutes the refereed proceedings of the 17th european conference on genetic programming euro gp 2014 held in grenada spain in april 2014 co located with the evo 2014 events evo bio evo cop evo musart and evo applications the 15 revised full papers presented together with 5 poster papers were carefully reviewed and selected form 40 submissions the wide range of topics in this volume reflects the current state of research in the field thus we see topics as diverse as search based software engineering image analysis dynamical systems evolutionary robotics and operational research to the foundations of search as characterized through semantic variation operators this volume presents a collection of original research works by leading specialists focusing on novel and promising approaches in which the multi agent system paradigm is used to support enhance or replace traditional approaches to solving difficult optimization problems the editors have invited several well known specialists to present their solutions tools and models falling under the common denominator of the agent based optimization the book consists of eight chapters covering examples of application of the multi agent paradigm and respective customized tools to solve difficult optimization problems arising in different areas such as machine learning scheduling transportation and more generally distributed and cooperative problem solving

В этом справочнике вы найдете бесценную информацию необходимую для оптимизации и управления xenserver платформой виртуализации с открытым исходным кодом Приводятся сведения об архитектуре xenserver инструкции по установке рекомендуемые подходы и готовые сценарии развертывания Материал книги представлен в виде простых задач и рекомендаций по их решению В процессе перевода было добавлено Дополнение к русскому изданию где описано всё необходимое для того чтобы начать работу с виртуальной инфраструктурой citrix xenserver Издание предназначено системным администраторам уже использующим или предполагающим использование xenserver в своей работе komputer sudah menjadi kebutuhan yang sangat penting dimana hampir semua kalangan pasti menggunakan perangkat ini baik itu di toko mahasiswa pelajar karyawan atau siapa pun pasti membutuhkan komputer dalam buku terbitan kunci komunikasi ini akan mengupas secara detail apa itu fungsi komputer apa saja komponen komponen pada komputer dan trik cara cepat memperbaiki komputer tidak salah lagi kalau buku ini bisa dijadikan sebagai buku koleksi yang pasti berguna kapan saja ketika kamu membutuhkannya lembar langit indonesia group

CUDA GPU

2010-03-25

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CUDA by Example

2010-07-19

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Технология CUDA в примерах. Введение в программирование графических процессоров

2022-01-29

2023-08-18

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surekha bhanot process control

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Computational Collective Intelligence Technologies and Applications

2011-09-13

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XenServer Administration Handbook

2016-04-05

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Network and Parallel Computing

2012-12-09

Genetic Programming (GP) is a branch of evolutionary computation that uses the principles of natural selection and genetics to evolve computer programs. It is particularly useful for solving complex, non-linear optimization problems. The process involves creating a population of random programs, evaluating their performance, and iteratively selecting the best ones to undergo genetic operations like crossover and mutation. This process repeats until a satisfactory solution is found. GP has been applied in various fields such as image processing, signal processing, and robotics.

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2012-01-01

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Genetic Programming

2014-08-21

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Agent-Based Optimization

2012-12-14

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2023-08-18

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2002-08

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