Maple 12 Advanced Programming Guide

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Intelligent Computer Mathematics CreateSpace

Don't look any further if you want to learn about Blockchain Today! Nobody likes banks and, for a lot of people, it's for good reason. You go to the teller window five minutes before closing time and she won't acknowledge you because she just wants to close up and go home. Your Paypal account is tied to the banking system and they may yank your account access simply because you got an unusually large payment for something you sold on eBay. You wonder if the homeless aren't caught in some kind of Catch-22 where they can't get access to a decent apartment without a bank account and can't get a bank account without a photo ID that includes their home address. All of these are good points that could be solved with a new digital currency called Bitcoin. Bitcoin is always open for business and won't ignore you even when you want to use it to have a pizza delivered at two in the morning. It won't shut you out simply because you received a transaction worth thousands of dollars from someone buying your car. If you want to use it, literally all you need to do is download the wallet on a laptop or tablet. This is made possible by technology that doesn't care about much of anything except whether you have a device that can link to the Internet even if it means soaking up the free Wi-Fi at the coffee shop and the ability to copy-and-paste a string of letters and numbers or scan a QR code. It's called the Blockchain, a decentralized ledger that keeps track of debits and credits for all Bitcoin users. There are many ways that the Blockchain can benefit entrepreneurs beyond the fact that it's associated with a currency that makes fraudulent chargebacks impossible. It can be used for many applications that require a reliable and tamper-resistant means of record-keeping. It can be used to give you a competitive edge in a world where the economy is becoming increasingly global and customers increasingly care about how their goods are produced and can hop from one "next big thing" to the next pretty fast. If you're looking at the Blockchain, you probably have a few questions that this book will answer for you. Here Is A Sneak Peek Of What You Will Learn What is The Blockchain? What Can The Blockchain Be Used For? The Blockchain As Part Of Future Economics Cryptocurrencies Does The Blockchain Have Any Weaknesses? And Much Much More... Do Not Wait Any Longer And Get This Book For Only $7.99!

Maple 8 Learning Guide Createspace Independent Pub

Breaking through glass ceilings in the workplace is dangerous business. There is now an easier (and safer) way for women to rise and succeed professionally. The Glass Elevator: A Guide to Leadership Presence for Women on the Rise shares the 9 critical skills that will enhance your ability to engage, connect, and influence in the workplace. Have you been holding yourself back by: - Not speaking up at meetings when you have value to add? - Failing to promote yourself to seniors in the workplace? - Shying away from challenges because you lack confidence? - Neglecting your networking inside and outside the company? - Living in a state of overwhelm at home and work? The author - one of New York's leading Executive Coaches - will teach you how to stop retreating and start ascending, employing the same expertise she uses to help her executive clients rise to the top. With Ground Floor Quizzes, Elevator Workouts, and Power Profiles of women leaders, this engaging book helps you master the must-have skills that will propel you upward. Pursue your professional aspirations one floor at a time by riding The Glass Elevator.

Maple 12: Advanced Programming Guide Lulu Press, Inc

Since its introduction in 2011, the Universal Verification Methodology (UVM) has achieved its promise of becoming the dominant platform for semiconductor design verification. Advanced UVM delivers proven coding guidelines, convenient recipes for common tasks, and cutting-edge techniques to provide a framework within UVM. Once adopted by an organization, these strategies will create immediate benefits, and help verification teams develop scalable, high-performance environments and maximize their productivity. "Written by an experienced UVM practitioner, this book contains lots of great tips on using UVM effectively and example code that actually works!" John Aynsley, Doulos "In 'Advanced UVM', Mr. Hunter, based on his company's real world experiences, provides excellent resources, a well-tested reference verification environment, and advanced best practices on how to apply UVM. If you are ready to move beyond a UVM introduction, this should be the book you add to your library." George Taglieri, Director Verification Product Solutions, Synopsys, Inc.

Esl Vocabulary and Idioms Book 2 85 Broads

This book explains the key features of Maple, with a focus on showing how things work, and how to avoid common problems.

The Batz Guide for Bedside Advocacy, Teaming Up for the Patient Hal Leonard Corporation

Your complete guide for overlanding in Mexico and Central America. This book provides detailed and up-to-date information by country. It also includes 11 chapters of information for planning and preparing your trip and 9 chapters on what to expect while driving through Mexico and Central America. Completed by the authors of LifeRemotely.com this is the most comprehensive guide for driving the Pan American yet!

The World Book Encyclopedia Createspace Independent Publishing Platform

* Uses a pedagogical approach that makes a mathematically challenging subject easier and more fun to learn * Self-contained and standalone text that may be used in the classroom, for an online course, for self-study, as a reference * Using MAPLE allows the reader to easily and quickly change the models and parameters

Biomedical Engineering, Trends in Electronics Rodale

Microfluidics: Modeling, Mechanics and Mathematics, Second Edition provides a practical, lab-based approach to nano- and microfluidics, including a wealth of practical techniques, protocols and experiments ready to be put into practice in both research and industrial settings. This practical approach is ideally suited to researchers and R&D staff in industry. Additionally, the interdisciplinary approach to the science of nano- and microfluidics enables readers from a range of different academic disciplines to broaden their understanding. Alongside traditional fluid/transport topics, the book contains a wealth of coverage of materials and manufacturing techniques, chemical modification/surface functionalization, biochemical analysis, and the biosensors involved. This fully updated new edition also includes new sections on viscous flows and centrifugal microfluidics, expanding the types of platforms covered to include centrifugal, capillary and electro kinetic platforms. Provides a practical guide to the successful design and implementation of nano- and microfluidic processes (e.g., biosensing) and equipment (e.g., biosensors, such as diabetes blood glucose sensors) Provides techniques, experiments and protocols that are ready to be put to use in the lab, or in an academic or industry setting Presents a collection of 3D-CAD and image files on a companion website

Fair Chances Springer Science & Business Media

This book shows you how to build your own Linux Web server with Ubuntu Linux and host your own website at home for free without having to pay a web hosting company like GoDaddy or Web.com. Whether you are ten years old or 80, even if you have never worked with Linux before and you are not that good with computers, you can setup a Linux Web Server by following the simple, easy-to-follow steps in this book. Setup an Ubuntu Linux Server from scratch. Create your own domain name. Make a simple web page. Get your server to be seen by the Internet. Use FTP to edit your web pages. Process HTML form submissions. Program a MySQL database to store a guest book. Use PHP to integrate your web page with MySQL. Add a visitor counter to your web page. Setup Free Dynamic DNS Forwarding Backup your MySQL Databases Use Linux, MySQL and PHP security features. Accept payment with PayPal buttons.

Guitar Univ Santiago de Compostela

An accessible introduction to the theoretical and computational aspects of linear algebra using MapleTM Many topics in linear algebra can be computationally intensive, and software programs often serve as important tools for understanding challenging concepts and visualizing the geometric aspects of the subject. Principles of Linear Algebra with Maple uniquely addresses the quickly growing intersection between subject theory and numerical computation, providing all of the commands required to solve complex and computationally challenging linear algebra problems using Maple. The authors supply an informal, accessible, and easy-to-follow treatment of key topics often found in a first course in linear algebra. Requiring no prior knowledge of the software, the book begins with an introduction to the commands and programming guidelines for working with Maple. Next, the book explores linear systems of equations and matrices, applications of linear systems and matrices, determinants, inverses, and Cramer's rule. Basic linear algebra topics such as vectors, dot product, cross product, and vector projection are explained, as well as the more advanced topics of rotations in space, rolling a circle along a curve, and the TNB Frame. Subsequent chapters feature coverage of linear transformations from Rn to Rm, the geometry of linear and affine transformations, least squares fits and pseudoinverses, and eigenvalues and eigenvectors. The authors explore several topics that are not often found in introductory linear algebra books, including sensitivity to error and the effects of linear and affine maps on the geometry of objects. The Maple software highlights the topic's visual nature, as the book is complete with numerous graphics in two and three dimensions, animations, symbolic manipulations, numerical computations, and programming. In addition, a related Web site features supplemental material, including Maple code for each chapter's problems, solutions, and color versions of the book's figures. Extensively class-tested to ensure an accessible presentation, Principles of Linear Algebra with Maple is an excellent book for courses on linear algebra at the undergraduate level. It is also an ideal reference for students and professionals who would like to gain a further understanding of the use of Maple to solve linear algebra problems.

The Master Cleanser Academic Press

This book constitutes the joint refereed proceedings of three international events, namely the 18th Symposium on the Integration of Symbolic Computation and Mechanized Reasoning, Calculemus 2011, the 10th International Conference on Mathematical Knowledge Management, MKM 2011, and a new track on Systems and Projects descriptions that span both the Calculemus and MKM topics, all held in Bertinoro, Italy, in July 2011. All 51 submissions passed through a rigorous review process. A total of 15 papers were submitted to Calculemus, of which 9 were accepted. Systems and Projects track 2011 there have been 12 papers selected out of 14 submissions while MKM 2011 received 22 submissions, of which 9 were accepted for presentation and publication. The events focused on the use of AI techniques within symbolic computation and the application of symbolic computation to AI problem solving; the combination of computer algebra systems and automated deduction systems; and mathematical knowledge management, respectively.

Computer Algebra Recipes for Mathematical Physics Createspace Independent Publishing Platform

This innovative text was written for the one or two-semester, sophomore/junior level advanced maths course for engineers. It was built from the ground up using a Computer Algebra System, offering the student opportunities to visualize and experience the maths at every turn. The text has been designed to accommodate a variety of teaching styles, and varying levels on technology integration. It has a logical arrangement with many short self-contained sections, and many real-world applications of interest to engineering students. Chapter Introductions and Chapter Summaries help to make the material more accessible, and Chapter Review Exercises provides constant checks along the way. *A CD-ROM is included in the back of every book, which contains Maple worksheets. The Maple worksheets are fully integrated with the books content, and provide a great resource for students when working on exercise sections. The CD-ROM allows the instructor and the student to take full advantage of what the text has to offer. *Logical arrangement with many short self-contained sections. *Exercises are divided into two sections: those designed to be computed by hand (A exercises), and those to be computed w

Getting Around with Google Maps Walter de Gruyter GmbH & Co KG

The original version of this guide has sold over 30,000 copies. This new edition has been expanded by 25% and promises to become an invaluable resource. For collectors, dealers and players, this completely updated "field guide" provides specifications, serial numbers, and more for determining the originality of vintage American acoustic and electric fretted instruments. Detailing thousands of models by every major manufacturer, the book now includes expanded coverage of Martin, Guild, Mosrite, Dobro, Gibson banjos, Fender amps, Gibson amps, plus updates on the latest models from Fender, Gibson, Rickenbacker, and others since 1990.

Mathematik für Ingenieure Springer-Verlag

A guide for parents and professionals who work with children who have stress issues.

The Glass Elevator BoD – Books on Demand

DO YOU WANT TO LEARN HOW TO PLAY THE GUITAR WITHIN 24 HOURS?!?! TAKE ACTION RIGHT NOW AND GET THIS KINDLE BOOK FOR ONLY $8,99 WITH ONE CLICK Guitar - Music Book For Beginners Guide-How To Play Guitar Within 24 Hours, Easy And Quick Memorize Fretboard, Learn The Notes, Simple Chords GET IT NOW BEFORE THE PRICE INCREASES!! READ FREE WITH KINDLE UNLIMITED !!!BONUS!!! PICTURES OF CHORDS, 5 FAMOUS SONGS TO PLAY This book will help you learn the guitar in a record time. If you would love to learn how to play the guitar, but have not had the courage to pick it up or tried playing a chord because the scores of notes and the complex fretboard (fingerboard) has been scaring you, you have landed at the perfect spot. This book is the complete, how-to-play guitar guide for newbie guitar players. If you want to develop guitar playing skills and want to become a maestro guitar player one day, this book is precisely the help you need right now. Start reading and implementing the steps discussed in it and you will most certainly be able to play your guitar by the end of the day. Sounds exciting, right? If your answer is in the affirmative, what are you waiting for? YOU ARE MORE THAN WELCOME SHARE YOUR THOUGHTS AND HONEST REVIEW

Blockchain CRC Press

Buch und CD-ROM ermöglichen es, ohne Vorkenntnisse das Computeralgebra-System MAPLE zu nutzen, um elementare mathematische Probleme am Computer zu lösen. Sie liefern einen schnellen Zugriff auf die Lösung mit der Beschreibung der zugehörigen MAPLE-Befehle. Besondere Vorteile: Alle Probleme werden exemplarisch behandelt. Die flexiblen elektronischen Arbeitsblätter können an die eigenen Problemstellungen einfach angepasst werden. Die übersichtliche Struktur der einzelnen Abschnitte: - Jedes Thema wird mathematisch beschrieben. - Das Problem wird mit MAPLE gelöst. - Die Syntax des MAPLE-Befehls wird erläutert. - Ein Beispielaufruf wird angegeben. - Hinweise behandeln Besonderheiten des Befehls oder der Ausgabe. Die CD-ROM enthält neben den über 120 im Text gelösten Problemen viele weitere Beispiele. Inhaltsverzeichnis und Index ermöglichen eine übersichtliche und benutzerfreundliche Navigation auf der CD-ROM zum gezielten Aufsuchen der Themen und der MAPLE-Worksheets. Die 4. Auflage enthält eine Einführung in die Benutzeroberfläche von Maple 14.

The South Beach Diet Cookbook SHEBA Media

This is a 2 book bundle related to C++ programming and Data Analytics! Two manuscripts for the price of one! Whats included in this 2 book bundle manuscript: "C++: Learn C++ Like a Boss. A Beginners Guide in Coding Programming And Dominating C++. Novice to Expert Guide To Learn and Master C++ Fast" "Data Analytics: Practical Data Analysis and Statistical Guide to Transform and Evolve Any Business" In C++ programming, you will learn the basics about: Compliers, syntax, class, objects, and variables Identifiers, trigraphs, data types, lines, and characters Boolean and functions Arrays, loops, and conditions Various types of operators Decision statements, if else statements Constants and literals Quick follow up quizzes and answers Guided examples and much more! In the Data Analytics portion of this bundle, you will learn: Why your business should be using data analytics Issues with using big data Effective data management Examples of data management in the real-world The different kinds of data analytics and their definitions How data management, data mining, data integration and data warehousing work together A step-by-step guide for conducting data analysis for your business An organizational guide to data analytics Tools for data visualization Get your copy today! Scroll up and learn how to program in both C++ and Data Analytics!

CRC Press

A hands-on introduction to the theoretical and computationalaspects of linear algebra using Mathematica® Many topics in linear algebra are simple, yet computationallyintensive, and computer algebra systems such as Mathematica®are essential not only for learning to apply the concepts tocomputationally challenging problems, but also for visualizing manyof the geometric aspects within this field of study. Principles ofLinear Algebra with Mathematica uniquely bridges the gap betweenbeginning linear algebra and computational linear algebra that isoften encountered in applied settings, and the commands required tosolve complex and computationally challenging problems usingMathematica are provided. The book begins with an introduction to the commands andprogramming guidelines for working with Mathematica. Next, theauthors explore linear systems of equations and matrices,applications of linear systems and matrices, determinants,inverses, and Cramer's rule. Basic linear algebra topics, such asvectors, dot product, cross product, and vector projection areexplored, as well as a unique variety of more advanced topicsincluding rotations in space, 'rolling' a circle along a curve, andthe TNB Frame. Subsequent chapters feature coverage of lineartransformations from Rn to Rm, the geometry of linear and affinetransformations, with an exploration of their effect on arclength,area, and volume, least squares fits, and pseudoinverses. Mathematica is used to enhance concepts and is seamlesslyintegrated throughout the book through symbolic manipulations,numerical computations, graphics in two and three dimensions,animations, and programming. Each section concludes with standardproblems in addition to problems that were specifically designed tobe solved with Mathematica, allowing readers to test theircomprehension of the presented material. All related Mathematicacode is available on a corresponding website, along with solutionsto problems and additional topical resources. Extensively class-tested to ensure an accessible presentation,Principles of Linear Algebra with Mathematica is an excellent bookfor courses on linear algebra at the undergraduate level. The bookis also an ideal reference for students and professionals who wouldlike to gain a further understanding of the use of Mathematica tosolve linear algebra problems.

How to Setup a Linux Web Server CreateSpace

Advanced Problem Solving Using MapleTM: Applied Mathematics, Operations Research, Business Analytics, and Decision Analysis applies the mathematical modeling process by formulating, building, solving, analyzing, and criticizing mathematical models. Scenarios are developed within the scope of the problem-solving process. The text focuses on discrete dynamical systems, optimization techniques, single-variable unconstrained optimization and applied problems, and numerical search methods. Additional coverage includes multivariable unconstrained and constrained techniques. Linear algebra techniques to model and solve problems such as the Leontief model, and advanced regression techniques including nonlinear, logistics, and Poisson are covered. Game theory, the Nash equilibrium, and Nash arbitration are also included. Features: The text’s case studies and student projects involve students with real-world problem solving Focuses on numerical solution techniques in dynamical systems, optimization, and numerical analysis The numerical procedures discussed in the text are algorithmic and iterative Maple is utilized throughout the text as a tool for computation and analysis All algorithms are provided with step-by-step formats About the Authors: William P. Fox is an emeritus professor in the Department of Defense Analysis at the Naval Postgraduate School. Currently, he is an adjunct professor, Department of Mathematics, the College of William and Mary. He received his PhD at Clemson University and has many publications and scholarly activities including twenty books and over one hundred and fifty journal articles. William C. Bauldry, Prof. Emeritus and Adjunct Research Prof. of Mathematics at Appalachian State University, received his PhD in Approximation Theory from Ohio State. He has published many papers on pedagogy and technology, often using Maple, and has been the PI of several NSF-funded projects incorporating technology and modeling into math courses. He currently serves as Associate Director of COMAP’s Math Contest in Modeling (MCM).

MATLAB Programming Addison Wesley

Maple V Mathematics Programming Guide is the fully updated language and programming reference for Maple V Release 5. It presents a detailed description of Maple V Release 5 - the latest release of the powerful, interactive computer algebra system used worldwide as a tool for problem-solving in mathematics, the sciences, engineering, and education. This manual describes the use of both numeric and symbolic expressions, the data types available, and the programming language statements in Maple. It shows how the system can be extended or customized through user defined routines and gives complete descriptions of the system's user interface and 2D and 3D graphics capabilities.

Microfluidics Life Remotely

Mathematics for Physical Science and Engineering is a complete text in mathematics for physical science that includes the use of symbolic computation to illustrate the mathematical concepts and enable the solution of a broader range of practical problems. This book enables professionals to connect their knowledge of mathematics to either or both of the symbolic languages Maple and Mathematica. The book begins by introducing the reader to symbolic computation and how it can be applied to solve a broad range of practical problems. Chapters cover topics that include: infinite series; complex numbers and functions; vectors and matrices; vector analysis; tensor analysis; ordinary differential equations; general vector spaces; Fourier series; partial differential equations; complex variable theory; and probability and statistics. Each important concept is clarified to students through the use of a simple example and often an illustration. This book is an ideal reference for upper level undergraduates in physical chemistry, physics, engineering, and advanced/applied mathematics courses. It will also appeal to graduate physicists, engineers and related specialties seeking to address practical problems in physical science. Clarifies each important concept to students through the use of a simple example and often an illustration Provides quick-reference for students through multiple appendices, including an overview of terms in most commonly used applications (Mathematica, Maple) Shows how symbolic computing enables solving a broad range of practical problems