

## Complex Variables Demystified

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[Video Demystified](#) McGraw Hill Professional

Your INTEGRAL tool for mastering ADVANCED CALCULUS Interested in going further in calculus but don't where to begin? No problem! With Advanced Calculus Demystified, there's no limit to how much you will learn. Beginning with an overview of functions of multiple variables and their graphs, this book covers the fundamentals, without spending too much time on rigorous proofs. Then you will move through more complex topics including partial derivatives, multiple integrals, parameterizations, vectors, and gradients, so you'll be able to solve difficult problems with ease. And, you can test yourself at the end of every chapter for calculated proof that you're mastering this subject, which is the gateway to many exciting areas of mathematics, science, and engineering. This fast and easy guide offers: Numerous detailed examples to illustrate basic concepts Geometric interpretations of vector operations such as div, grad, and curl Coverage of key integration theorems including Green's, Stokes', and Gauss' Quizzes at the end of each chapter to reinforce learning A time-saving approach to performing better on an exam or at work Simple enough for a beginner, but challenging enough for a more advanced student, Advanced Calculus Demystified is one book you won't want to function without!

[Copper Plate Photogravure](#) McGraw Hill Professional

Taught at junior level math courses at every university, Linear Algebra is essential for students in almost every technical and analytic discipline.

[Business Statistics Demystified](#) McGraw Hill Professional

Take the complication out of COMPLEX VARIABLES Ready to learn the fundamentals of complex variables but can't seem to get your brain to function on the right level? No problem! Add Complex Variables Demystified to the equation and you'll exponentially increase your chances of understanding this fascinating subject. Written in an easy-to-follow format, this book begins by covering complex numbers, functions, limits, and continuity, and the Cauchy-Riemann equations. You'll delve into sequences, Laurent series, complex integration, and residue theory. Then it's on to conformal mapping, transformations, and boundary value problems. Hundreds of examples and worked equations make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce learning. This fast and easy guide offers: Numerous figures to illustrate key concepts Sample problems with worked solutions Coverage of Cauchy-Riemann equations and the Laplace transform Chapters on the Schwarz-Christoffel transformation and the gamma and zeta functions A time-saving approach to performing better on an exam or at work Simple enough for a beginner, but challenging enough for an advanced student, Complex Variables Demystified is your integral tool for understanding this essential mathematics topic.

[Private Equity Demystified](#) McGraw Hill Professional

Deploy, configure, administer, and run Microsoft Azure Stack Hub Key Features Understand the topics required for the Microsoft Azure AZ-600 exam Configure and provide services from Microsoft Azure Stack Hub Implement data center integration with Microsoft Azure Stack Hub Book Description Azure Stack Hub is the on-premise offering from Microsoft, which provides Azure Cloud services within a customer's own data center. It provides consistent processes between on-site and the cloud, allowing developers to test locally and deploy to the cloud in exactly the same manner. Azure Stack Hub Demystified provides

complete coverage of deploying, configuring, administrating, and running Microsoft Azure Stack Hub efficiently. Firstly, you will learn how to deploy Azure Stack Hub within an organization. As you progress, you'll understand configuration and the different services provided by the platform. The book also focuses on the underlying architecture and connectivity options for the modern data center. Later, you will understand various approaches to DevOps and their implementation, and learn key topics for the AZ-600 exam. By the end of this Azure book, you will have a thorough understanding of Azure Stack Hub and the services that are provided by the platform, along with the confidence and information you need to be able to pass the AZ-600 exam. What you will learn Understand the architecture of Azure Stack Hub Get up to speed with the management and administration of Azure Stack Hub Explore how to administer virtual networking within your Azure Stack Become well versed in using the Azure Stack Hub support model and updating Azure Stack Hub Understand how licensing and billing is done with Azure Stack Hub Discover the tools that can be used to implement security within Azure Stack Hub Focus on how DevOps practices can be incorporated with Azure Stack Hub Who this book is for If you are an Azure Administrator and Azure Stack Hub Operator who provides or is looking to provide cloud services to end users or customers within their own data center, then this book is for you. This book will also be beneficial to those who are preparing for Exam AZ-600: Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub.

[Television Technology Demystified](#) CRC Press

Need to Learn MATLAB? Problem SOLVED! Get started using MATLAB right away with help from this hands-on guide. MATLAB Demystified offers an effective and enlightening method for learning how to get the most out of this powerful computational mathematics tool. Using an easy-to-follow format, this book explains the basics of MATLAB up front. You'll find out how to plot functions, solve algebraic equations, and compute integrals. You'll also learn how to solve differential equations, generate numerical solutions of ODEs, and work with special functions. Packed with hundreds of sample equations and explained solutions, and featuring end-of-chapter quizzes and a final exam, this book will teach you MATLAB essentials in no time at all. This self-teaching guide offers: The quickest way to get up and running on MATLAB Hundreds of worked examples with solutions Coverage of MATLAB 7 A quiz at the end of each chapter to reinforce learning and pinpoint weaknesses A final exam at the end of the book A time-saving approach to performing better on homework or on the job Simple enough for a beginner, but challenging enough for an advanced user, MATLAB Demystified is your shortcut to computational precision.

[Relativity Demystified](#) McGraw Hill Professional

This book deals with risk capital provided for established firms outside the stock market, private equity, which has grown rapidly over the last three decades, yet is largely poorly understood. Although it has often been criticized in the public mind as being short termist and having adverse consequences for employment, in reality this is far from the case. Here, John Gilligan and Mike Wright dispel some of the biggest myths and misconceptions about private equity. The book provides a unique and authoritative source from a leading practitioner and academic for practitioners, policymakers, and researchers that explains in detail what private equity involves and reviews systematic evidence of what the impact of private equity has been. Written in a highly accessible style, the book takes the reader through what private equity means, the different actors involved, and issues concerning sourcing, checking out, valuing, and structuring deals. The various themes from the systematic academic evidence are highlighted in numerous summary vignettes placed alongside the text that discuss the practical aspects. The main part of the work concludes with an up-to-date discussion by the authors, informed commentators on the key issues in the lively debate about private equity. The book further contains summary tables of the academic research carried out over the past three decades across the private equity landscape including: the returns to investors, economic performance, impact on R&D and employees, and the longevity and life-cycle of private equity backed deals.

[String Theory Demystified](#) Bookrener

Say goodbye to dry presentations, grueling formulas, and abstract theories that would put Einstein to sleep -- now there's an easier way to master the disciplines you really need to know. McGraw-Hill's Demystified Series teaches complex subjects in a unique, easy-to-absorb manner, and is perfect for users without formal training or unlimited time. They're also the most time-efficient, interestingly written "brush-ups" you can find. Organized as self-teaching guides, they come complete with key points, background information,

questions at the end of each chapter, and even final exams. You'll be able to learn more in less time, evaluate your areas of strength and weakness and reinforce your knowledge and confidence. This self-teaching guide brings business statistics down to an understandable level, using practical examples. Coverage includes: probability, analysis of variance, designed experiments, preparing statistical reports, basic statistical procedures, and much more.

[Discrete Mathematics DeMYSTiFied](#) McGraw Hill Professional

Chat like a native Italian speaker Want to hold conversations in Italian but you can't get past Come stai? Non e un problema! With Italian Conversation Demystified you'll develop your skills so quickly you'll sound like you were born in Bologna or made your living in Milan. Beginning with common Italian phrases you already know, this book covers key topics such as going out on the town, talking on the phone, asking for directions, and making future plans. Step by step, you'll build your Italian conversation skills and--in no time--you will learn how to talk about the past and future, express opinions, ask for advice, make small talk, and such more. To help you on your way, the accompanying audio CDs feature two-and-half hours of conversations performed by native speakers and interactive practice exercises and quizzes. This fast and easy guide features: In-depth dialogues presented both in the book and on the audio Audio practice exercises that get you speaking immediately Step-by-step guidance through the fundamentals of communicating in Italian Coverage of essential conversational skills such as asking a question or making comparisons Quizzes at the end of each chapter that reinforce new communication skills So when you are ready to graduate from simple questions to having full discussions with Italian speakers, Italian Conversation Demystified is your shortcut to mastering this popular language.

[Philosophy DeMYSTiFied](#) McGraw Hill Professional

Your solution to mastering fluid mechanics Need to learn about the properties of liquids and gases the pressures and forces they exert? Here's your lifeline! Fluid Mechanics Demystified helps you absorb the essentials of this challenging engineering topic. Written in an easy-to-follow format, this practical guide begins by reviewing basic principles and discussing fluid statics. Next, you'll dive into fluids in motion, integral and differential equations, dimensional analysis, and similitude. Internal, external, and compressible flows are also covered. Hundreds of worked examples and equations make it easy to understand the material, and end-of-chapter quizzes and two final exam, with solutions to all their problems, help reinforce learning. This hands-on, self-teaching text offers: Numerous figures to illustrate key concepts Details on Bernoulli's equation and the Reynolds number Coverage of entrance, laminar, turbulent, open channel, and boundary layer flows SI units throughout A time-saving approach to performing better on an exam or at work Simple enough for a beginner, but challenging enough for an advanced student, Fluid Mechanics Demystified is your shortcut to understanding this essential engineering subject.

[Optics Demystified](#) McGraw Hill Professional

James D. Broesch is a staff engineer for General Atomics, where he is responsible for the design and development of several advanced control systems used on fusion control programs. He also teaches classes in signal processing and hardware design at the University of California-San Diego. · Integrated book/software package allows readers to simulate digital signal processing (DSP) situations and experiment with effects of different DSP techniques. · Gives an applications-oriented approach to DSP instead of a purely mathematical one. · The accompanying CD includes a DSP "calculator" to help solve design problems

[Pre-Algebra Demystified](#) Penguin

This clear, concise introduction to quantum mechanics is the perfect supplement and complement to the math-heavy texts that dominate the field. The author includes hundreds of worked examples to illustrate the processes discussed and Dirac's Method, explains how to obtain a desired result in familiar terms rather than with confusing terminology and formulas.

[Quantum Mechanics Demystified](#) McGraw Hill Professional

Explores the interrelations between real and complex numbers by adopting both generalization and specialization methods to move between them, while simultaneously examining their analytic and geometric characteristics Engaging exposition with discussions, remarks, questions, and exercises to motivate understanding and critical thinking skills Includes numerous examples and applications relevant to science and engineering students MATLAB Demystified McGraw Hill Professional

Take the heat off of understanding thermodynamics Now you can get much-needed relief from the pressure of learning the fundamentals of thermodynamics! This practical guide helps you truly comprehend this challenging engineering topic while sharpening your problem-solving skills. Written in an easy-to-follow format, Thermodynamics Demystified begins by reviewing basic principles and discussing the properties of pure substances. The book goes on to cover laws of thermodynamics, power and refrigeration cycles, psychrometrics, combustion, and much more. Hundreds of worked examples and equations make it easy to understand the material, and end-of-chapter quizzes and two final exams help reinforce learning. This hands-on, self-teaching text offers: Numerous figures to

illustrate key concepts Details on the first and second laws of thermodynamics Coverage of vapor and gas cycles, psychrometrics, and combustion An overview of heat transfer SI units throughout A time-saving approach to performing better on an exam or at work Simple enough for a beginner, but challenging enough for an advanced student, Thermodynamics Demystified is your shortcut to mastering this essential engineering subject.

#### Medical Charting Demystified McGraw Hill Professional

An enlightening guide to optics Are you in the dark when it comes to understanding the science of optics? Now there's a glimmer in the gloom! Optics Demystified brings this challenging topic into focus. Written in an easy-to-follow format, this practical guide begins by covering the nature of light, the electromagnetic spectrum, reflection, refraction, and color dispersion. You'll move on to common optical devices and effects, lasers, and optical data transmission technology. Industrial, medical, and military applications are discussed, as are exotic optics such as holography. Detailed examples and concise explanations make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce learning. It's a no-brainer! You'll get: Explanations of the particle and wave theories Analysis of optical microscopes and telescopes Functional details of fiber optics A sampling of optical illusions A time-saving approach to performing better on an exam or at work Simple enough for a beginner but challenging enough for an advanced student, Optics Demystified illuminates this vital physics topic.

#### C++ Demystified McGraw Hill Professional

Get up to speed on nanotechnology and the many biological, chemical, physical, environmental, and political aspects of this developing science.

#### Competition Demystified McGraw Hill Professional

Minimal technical jargon, step-by-step discussions, and quizzes at the end of each chapter make this an easy-to-understand guide to C++ programming. Quickly learn what a programming language is and the anatomy of C++, then jump right into creating your own programs with expert guidance. Discover functions, objects, compilers, linkers, and much more along the way. For the fast and easy way to understanding the fundamentals of C++, this is the resource you need.

#### Complex Variables with Applications Newnes

Here is a complete self-teaching guide for anyone needing knowledge of math as it applies to engineering and technical fields.

#### Minitab Demystified McGraw Hill Professional

Need to learn MATHEMATICA? Problem SOLVED! Take full advantage of all the powerful capabilities of Mathematica with help from this hands-on guide. Filled with examples and step-by-step explanations, Mathematica Demystified takes you from your very first calculation all the way to plotting complex fractals. Using an intuitive format, this book explains the fundamentals of Mathematica up front. Learn how to define functions, create 2-D graphs of functions, write basic programs, and use modules. You'll move on to 3-D graphics, calculus, polynomial, linear, and differential equations, dynamical systems, and fractals. Hundreds of examples with concise explanations make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce learning. This self-teaching guide offers: A quick way to get up and running on Mathematica Coverage of Mathematica 6 and 7 Tips for avoiding and correcting syntax errors Details on creating slideshow presentations of your work No unnecessary technical jargon A time-saving approach to performing better on an exam or at work! Simple enough for a beginner, but challenging enough for an advanced user, Mathematica Demystified is your shortcut to mastering this fully integrated technical computing software.

#### Introduction to Infrared and Electro-optical Systems Oxford University Press

MULTIPLY your chances of understanding DISCRETE MATHEMATICS If you're interested in learning the fundamentals of discrete mathematics but can't seem to get your brain to function, then here's your solution. Add this easy-to-follow guide to the equation and calculate how quickly you learn the essential concepts. Written by award-winning math professor Steven Krantz, Discrete Mathematics Demystified explains this challenging topic in an effective and enlightening way. You will learn about logic, proofs, functions, matrices, sequences, series, and much more. Concise explanations, real-world examples, and worked equations make it easy to understand the material, and end-of-chapter exercises and a final exam help reinforce learning. This fast and easy guide offers: Numerous figures to illustrate key concepts Sample problems with worked solutions Coverage of set theory, graph theory, and number theory Chapters on cryptography and Boolean algebra A time-saving approach to performing better on an exam or at work Simple enough for a beginner, but challenging enough for an advanced student, Discrete Mathematics Demystified is your integral tool for mastering this complex subject.

#### Italian Conversation DeMYSTiFied Vikas Publishing House

This international bestseller and essential reference is the "bible" for digital video engineers and programmers worldwide. This fourth edition is completely updated with all new chapters on MPEG-4, H.264, SDTV/HDTV, ATSC/DVB, and Streaming Video (Video over DSL, Ethernet, etc.), as well as discussions of the latest standards throughout. This is by far the most informative analog and digital video reference available, made even more comprehensive through the author's inclusion of the hottest new trends and cutting-edge developments in the field. Finding another amalgamated source of the huge amount of information in this book is impossible. The author attends DVD and HDTV standards meetings, so the absolute most up-to-date content is assured. The accompanying CD is updated to include a unique set of

video test files in the newest formats. This book is a "one stop" reference guide for the various digital video technologies. Professionals in this rapidly changing field need the new edition of this book to keep up with the latest developments and standards in the industry. \*This essential reference is the "bible" for digital video engineers and programmers worldwide \*Contains all new chapters on MPEG-4, H.264, SDTV/HDTV, ATSC/DVB, and Streaming Video \*Completely revised with all the latest and most up-to-date industry standards