

Engineering Statistics Demystified

Take the angst out of learning German Interested in learning to speak German but can't tell the difference between a strudel and a schnauzer? No need to feel intimidated! With German Demystified you'll develop language skills so quickly you'll pass for a wunderkind. Organized into twenty chapters that cover key grammar topics, this book contains the building blocks for the storehouse of your new German language skills. Covering common verb tenses, essential vocabulary, useful adjectives and adverbs, and even the correct way to ask questions, this guide makes learning what can be a difficult language both simple and entertaining. Test yourself at the end of every chapter for reinforcement that you're fast on your way to speaking, writing, and understanding German. This fast and easy guide features: Clear grammatical explanations that illustrate how the language works Numerous examples that place new vocabulary in practical context Helpful writing and speaking exercises that bring the German language to life Coverage of everyday topics, conversational expressions, and cultural information Quizzes at the end of each chapter reinforce new language skills Simple enough for a beginner but challenging enough for a more advanced student, German Demystified is your shortcut to mastering this complex language.

Stack the odds in your favor for mastering probability Don't leave your knowledge of probability to chance. Instead, turn to Probability Demystified, Second Edition, for learning fundamental concepts and theories step-by-step. This practical guide eases you into the subject of probability using familiar items such as coins, cards, and dice. As you progress, you will master concepts such as addition and multiplication rules, odds and expectation, probability distributions, and more. You'll learn the relationship between probability and normal distribution, as well as how to use the recently developed Monte Carlo method of simulation. Detailed examples make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key ideas. It's a no-brainer! You'll learn about: Classical probability Game theory Actuarial science Addition rules Bayes' theorem Odds and expectation Binomial distribution Simple enough for a beginner, but challenging enough for an advanced student, Probability Demystified, Second Edition, helps you master this essential subject.

MULTIPLY your chances of learning STATISTICS Trying to understand statistics but feeling a bit uncertain? Here's your solution. Statistics Demystified, Second Edition helps you master this fundamental topic with ease. Written in a step-by-step format, this practical guide begins by reviewing background mathematics, probability basics, and descriptive measures. The book goes on to demonstrate statistics in action with coverage of sampling, estimation, hypotheses, prediction, regression, correlation, causation, order, and chaos. Detailed examples, concise explanations, and worked-out problems 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 learn about: The probability fallacy Random sampling Estimation Assumptions and testing Chaos, bounds, and randomness Variance and standard deviation Correlation and cause/effect relations The use of statistics in medicine, law, math, and engineering Simple enough for a beginner, but challenging enough for an advanced student, Statistics Demystified, Second Edition helps you master this essential subject.

SUPERCHARGE your understanding of **ELECTRONICS** Learn electronics without getting your wires crossed! *Electronics Demystified, Second Edition* teaches you fundamental concepts and applications step by step. This practical guide begins by covering voltage, current, resistance, impedance, admittance, and power supplies. The book goes on to discuss semiconductor diodes, transistors, integrated circuits, and signal amplifiers and oscillators. Wireless electronics is then addressed, including radio-frequency transmitters and receivers, telecommunications, and antennas. Detailed examples make it easy to understand the material. End-of-chapter quizzes and a final exam help reinforce key topics. It's a no-brainer! You'll learn about: Ohm's law Current and voltage in RL and RC circuits Oscillation and amplification Bipolar and field-effect transistors Radio-wave propagation Receiver and transmitter design Communications satellites and antennas Simple enough for a beginner, but challenging enough for an advanced student, *Electronics Demystified, Second Edition* helps you master this essential subject.

A fast and painless way to learn Spanish--now with all new quiz and test questions and a companion 75-minute audio download *Spanish DeMYSTiFieD* takes the mystery and menace out of learning Spanish by walking you step-by-step through the fundamentals of the language. The book lets you work at your own pace and arms you with the essentials of Spanish grammar in an unintimidating format. You will be able to: Understand basic grammar structures and verb tenses Pronounce Spanish words correctly Build a Spanish vocabulary Communicate with confidence Inside you will find: Hundreds of brand-new quiz and test questions with answer keys, similar to those used in standardized scholastic exams Chapter-opening objectives that give you insight into what you are going to learn in each step Questions at the end of every chapter that reinforce your learning and pinpoint your weaknesses "Still Struggling?" icons that offer specific recommendations for those difficult subtopics

Learn quantum field theory relatively easily Trying to comprehend quantum field theory but don't have infinite time or the IQ of Einstein? No problem! This easy-to-follow guide helps you understand this complex subject matter without spending a lot of energy. *Quantum Field Theory Demystified* covers essential principles such as particle physics and special relativity. You'll learn about Lagrangian field theory, group theory, and electroweak theory. The book also explains continuous and discrete symmetries, spontaneous symmetry breaking, and supersymmetry. With thorough coverage of the mathematics of quantum field theory and featuring end-of-chapter quizzes and a final exam to test your knowledge, this book will teach you the fundamentals of this theoretical framework in no time at all. This fast and easy guide offers: Numerous figures to illustrate key concepts Sample equations with worked solutions Coverage of quantum numbers Details on the Dirac equation, the Feynman rules, and the Higgs mechanism 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, *Quantum Field Theory Demystified* is your shortcut to understanding this fascinating area of physics. Your **SOLUTION** to mastering **ALGEBRA**! Trying to tackle algebra but nothing's adding up? No problem! *Factor in Algebra Demystified, Second Edition* and multiply your chances of learning this important branch of mathematics. Written in a step-by-step format, this practical guide covers fractions, variables, decimals, negative numbers, exponents, roots, and factoring. Techniques for solving linear and quadratic equations

and applications are discussed in detail. Clear examples, concise explanations, and worked problems with complete solutions 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 learn how to: Translate English sentences into mathematical symbols Write the negative of numbers and variables Factor expressions Use the distributive property to expand expressions Solve applied problems Simple enough for a beginner, but challenging enough for an advanced student, Algebra Demystified, Second Edition helps you master this essential math subject. It's also the perfect resource for preparing you for higher level math classes and college placement tests.

Encapsulating the science behind vitamins and minerals Need to understand how vitamins and minerals work but find dense texts difficult to absorb? Here's your panacea! Vitamins & Minerals Demystified makes it easy to digest information on everything from A to zinc. Written by a holistic health doctor, this essential guide explains the crucial role vitamins and minerals play in nutrition and physiology. You'll find details on the type and amount required for survival and for increased disease resistance. The book outlines the food sources of different vitamins and minerals and covers the benefits and pitfalls of both natural and synthetic vitamins. Featuring end-of-chapter quizzes and a final exam, this book will fortify your knowledge of vitamins and minerals. This fast and easy guide offers: Numerous figures to illustrate key concepts Graphs indicating the foods rich in various vitamins and minerals Charts featuring U.S. Recommended Daily Allowances (USRDA's) Coverage of deficiency-related diseases Quick summaries of each vitamin and mineral reinforce learning Simple enough for a beginner, but challenging enough for an advanced student, Vitamins & Minerals Demystified is the perfect supplement for anyone studying or interested in this important health topic.

Your solution to MATH word PROBLEMS! Find yourself stuck on the tracks when two trains are traveling at different speeds? Help has arrived! Math Word Problems Demystified, Second Edition is your ticket to problem-solving success. Based on mathematician George Polya's proven four-step process, this practical guide helps you master the basic procedures and develop a plan of action you can use to solve many different types of word problems. Tips for using systems of equations and quadratic equations are included. 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 learn to solve: Decimal, fraction, and percent problems Proportion and formula problems Number and digit problems Distance and mixture problems Finance, lever, and work problems Geometry, probability, and statistics problems Simple enough for a beginner, but challenging enough for an advanced student, Math Word Problems Demystified, Second Edition helps you master this essential mathematics skill.

A non-heated discussion on global warming and climate change Interested in getting to the core of the reasons for the Earth's changing climate? Want an accurate reading on the science behind global warming? Here's your gauge! This easy-to-follow guide offers a temperate view of this hot topic. Global Warming & Climate Change Demystified starts by looking at scientific data gathered from weather instruments, satellite telemetry, ice cores, and coral sections that reveal how the Earth's temperature is changing. The book goes on to examine the causes of climate change, including both natural processes and human-generated greenhouse gases. Finally, the consequences of global warming are discussed and a wide variety of viable

solutions that can be implemented by individuals as well as society as a whole are presented. Complete with end-of-chapter quizzes and a final review to test your knowledge, this book will teach you the fundamentals of global warming and climate change in an unbiased and thorough manner. This fast and easy guide offers: A thorough review of scientific data Details on the evidence of global warming worldwide Information on the origin and impact of greenhouse gases Explanations of alternatives to carbon-based energy sources Suggestions for local and global solutions Simple enough for a beginner, but challenging enough for an advanced student, *Global Warming & Climate Change Demystified* is your shortcut to understanding this important and timely issue.

Presents a comprehensive guide to understanding engineering statistics that includes instruction on a number of statistical software programs, end-of-chapter exercises, and practice exams.

The tools and technique used in Statistical Process Control have been used around the world to monitor and measure process variation and allow real positive changes to be made. The majority of engineers and scientists have had some exposure to this important technique but in many cases this has been badly taught and they fail to see the usefulness of it properly applied. This book has been written with the authors 30 years experience in practical Statistical Process Control and is aimed squarely at practising engineers and scientists rather than statisticians and mathematicians. *Practical Statistical Process Control* takes a graphical approach using a software tool called Minitab. The author concentrates on each step of using the technique with explanations along the way of each decision point. Readers will find this guide both practical and useful, with copious screenshots of the software in use and clear precise explanations. The emphasis is on understanding the technique and being able to use it in real world applications. Key points: * Provides tools and techniques for practical business and process improvement. * Introduces screenshots and explanations for each step of SPC including the importance of assessing the measurement system and constructing control charts. * A worked example, using Minitab sample data with clear explanations of the variables and analyses. This book will be extremely useful to engineers and scientists who want to solve quality, process and manufacturing problems quickly and easily.

DeMYSTiFieD is your solution for tricky subjects like trigonometry If you think a Cartesian coordinate is something from science fiction or a hyperbolic tangent is an extreme exaggeration, you need *Trigonometry DeMYSTiFieD, Second Edition*, to unravel this topic's fundamental concepts and theories at your own pace. This practical guide eases you into "trig," starting with angles and triangles. As you progress, you will master essential concepts such as mapping, functions, vectors, and more. You will learn to transform polar coordinates as well as apply trigonometry in the real world. Detailed examples make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key ideas. It's a no-brainer! You'll learn about: Right triangles Circular functions Hyperbolic functions Inverse functions Geometrical optics Infinite-series expansions Trigonometry on a sphere Simple enough for a beginner, but challenging enough for an advanced student, *Trigonometry DeMYSTiFieD, Second Edition*, helps you master this essential subject.

Demystified is your vaccine for tricky subjects like microbiology If you don't know your prokaryotes from your protozoa, or learning about fungi puts you in a funk, look no further--*Microbiology Demystified, Second Edition* is your cure for learning this topic's fundamental concepts and theories at your own pace. This practical guide eases you into this field of science, starting at the cell level. As you progress, you will master microbiology essentials such as bacteria, algae, viruses, pasteurization, and more. You will understand the difference between friendly and unfriendly microorganisms as well as the microscope's role in shaping microbiology. Detailed examples make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key ideas. It's a no-brainer! You'll learn about:

Classification of microorganisms Immunology Germ theory Recombinant DNA technology Pathogens E.coli Antiseptics Simple enough for a beginner, but challenging enough for an advanced student, Microbiology Demystified, Second Edition, helps you master this essential subject.

Supercharge your CAREER as an ELECTRICIAN! Are you an aspiring journeyman or master electrician? The Electrician's Trade DeMYSTiFieD makes it shockingly easy to prepare for licensing exams and onthe- job success. Written in a step-by-step format, this practical guide describes the typical licensing process, which varies by region, and explains how to determine the specific requirements for your state or city. You'll get a thorough review of the National Electrical Code (NEC), including ways to access exam answers on an open-book basis. Detailed examples and concise explanations make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key concepts. It's a no-brainer! You'll learn: How to find licensing requirements for the state in which you plan to work Time-saving methods for navigating through the NEC What it takes to become a journeyman and master electrician Strategies for passing your exam How to use logic to improve your score Jobsite procedures that promote efficiency and productivity Simple enough for a beginner, but challenging enough for an advanced student, The Electrician's Trade DeMYSTiFieD helps you maximize your test score and become a successful working electrician!

A PROVEN formula for mastering CHEMISTRY Trying to understand chemistry but feel like the information's just not bonding with your brain? Here's your solution. Chemistry Demystified, Second Edition, helps you grasp both fundamental and complex concepts with ease. Written in a step-by-step format, this practical guide first covers atomic theory, elements, symbols, and the Periodic Table of the Elements. The book then delves into solids, liquids, gases, solutions, orbitals, chemical bonds, acids, and bases. Electrochemistry, thermodynamics, biochemistry, and organic, environmental, and nuclear chemistry are discussed. In-depth examples, detailed illustrations, and worked-out problems 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 learn about: Molecular and structural formulas Metallurgy Gas laws Molar mass Molecular orbital theory Covalent and ionic bonds Oxidation/reduction The laws of thermodynamics Organic reactions Biological and environmental markers Simple enough for a beginner, but challenging enough for an advanced student, Chemistry Demystified, Second Edition, helps you master this fascinating subject.

Engineering Statistics Demystified McGraw Hill Professional

This step-by-step approach to untangling the complexities of ethics from the bestselling ... Demystified brand is a trusted companion to a college (346,000 students annually) course or as a self-teaching guide for readers studying on their own. About the Book This easy-to-use guide from the popular Demystified series makes learning about ethics simple by walking readers step-by-step through the fundamentals of the subject. Each chapter concludes with a self-test that allows readers to track their progress, and a comprehensive final exam at the end of the book gives instant feedback on new knowledge. Ethics Demystified lets readers to work at their own pace and provides them with the essentials of the subject. Readers will learn: The important concepts of ethical theory How to untangle moral dilemmas and questions of right conduct Metaethics and how to understand ethical facts and judgments How to define a "right action" with normative ethics Applied ethics—from civil liberties and capital punishment to euthanasia and affirmative action The role business ethics play in today's corporate world Following the easy-to-use format of the books in the bestselling ... Demystified series, Ethics Demystified helps you truly comprehend this challenging subject a without overwhelming you with complexities or mystifying jargon. Bestselling series: Since its launch in 2002, the 100+ books in the Demystified series have sold more than 1.6 million units for more than \$14 million in revenue. Unique features: Readers work at their own pace, and hands-on self tests and a

“final exam” lets readers gauge their progress to ensure that they stay on track. Large audience: In 2006, 368,000 college students studied ethics. Current topic: Business ethics are becoming an important part of MBA programs. Step-by-step, self-teaching approach lets readers build ethics knowledge at their own pace. Chapter-ending quizzes, part-ending tests, and a final exam give readers instant feedback on their understanding of the topic. Ethics Demystified is an excellent self-teaching guide for: Undergraduate-level ethics and philosophy students (368,000 annual enrollment) Independent readers who want to build a solid foundation in ethics in their spare time

Preempt your anxiety about PRE-ALGEBRA! Ready to learn math fundamentals but can't seem to get your brain to function? No problem! Add Pre-Algebra Demystified, Second Edition, to the equation and you'll solve your dilemma in no time. Written in a step-by-step format, this practical guide begins by covering whole numbers, integers, fractions, decimals, and percents. You'll move on to expressions, equations, measurement, and graphing. Operations with monomials and polynomials are also discussed. Detailed examples, concise explanations, and worked problems 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 learn: Addition, subtraction, multiplication, and division of whole numbers, integers, fractions, decimals, and algebraic expressions Techniques for solving equations and problems Measures of length, weight, capacity, and time Methods for plotting points and graphing lines Simple enough for a beginner, but challenging enough for an advanced student, Pre-Algebra Demystified, Second Edition, helps you master this essential mathematics subject. It's also the perfect way to review the topic if all you need is a quick refresh.

Making sense of LOGIC just got a whole lot EASIER! Stumped trying to understand logic? It's time to listen to reason! There's no doubt that Logic Demystified will help you master this challenging subject. Written in a step-by-step format, this practical guide begins by covering arguments, validity, and truth tables. You'll move on to propositional and predicate logic, rigor, fallacies, paradoxes, and revelations. Proofs, Boolean algebra, the logic of machines, and sets are discussed as is the illogic of time, matter, space, and chaos. 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: Rules for reasoning Quantified statements and theorems Simple and classical paradoxes Strategies for proofs Basic set theory and machine logic A time-saving approach to performing better on homework, an exam, or at work Simple enough for a beginner, but challenging enough for an advanced student, Logic Demystified helps you validate your knowledge of this multidisciplinary topic.

Lick your language problems with DeMYSTiFieD! Want to get the most out of German but don't know where to start? No problem! German DeMYSTiFieD, Second Edition takes the angst out of learning the language. Written in a step-by-step format, this practical guide provides a firm foundation in German-language basics. You'll move on to mastering subjects such as using verbs, asking

questions, telling time, counting, and more. 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 learn: The German Alphabet Special Characters Definite Articles Conjugations Pronouns And more Topics include: German Pronunciation, People and Names, Asking Questions, Describing People and Things, Indicating Possession, Actions in the Present, Irregularities in Present Tense Verbs, Talking About Location, Talking About the Past, Time and Calendar, More Talking About the Past, Important Details, Talking About the Future, Review of Verbs Tenses, Linking Ideas Together, Comparing Things, Using Commands, Using the Passive Voice, Using the Subjunctive Mood, Expressing Wishes and Conditions

Solve your math troubles with DeMYSTiFieD If you cannot tell the difference between your Roman and Arabic numerals, or if when someone asks 'what is pi' you say "delicious," you need Everyday Math DeMYSTiFieD, Second Edition, to unravel these fundamental concepts and theories at your own pace. This practical guide eases you into basic math, starting with counting and simple operations. As you progress, you will master essential concepts such as division, converting decimals into fractions, determining volume, and more. You will learn to measure capital gains and losses as well as apply percentages in the real world. Detailed examples make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key ideas. It's a no-brainer! You'll learn about: Decimals Proportions Prime numbers Surface area Powers of 10 Graphs English vs. metric units Simple enough for a beginner but challenging enough for an advanced student, Everyday Math DeMYSTiFieD, Second Edition, helps you master this essential subject.

The ideal review for your statistics course geared toward engineering More than 40 million students have trusted Schaum's Outlines for their expert knowledge and helpful solved problems. Written by renowned experts in their respective fields, Schaum's Outlines cover everything from math to science, nursing to language. The main feature for all these books is the solved problems. Step-by-step, authors walk readers through coming up with solutions to exercises in their topic of choice. Concise explanations of the topics covered in statistics courses designed for students in engineering and the hard sciences Relevant examples and end-of-chapter questions motivate you and reinforce acquired skills Hundreds of solved problems Complete integration of EXCEL, MINITAB, SPSS, SAS, and STATISTIX software output as used in today's college statistics classes Detailed explanations and practice problems in all areas of engineering statistics Instructions for reading and interpreting today's most popular statistical software packages Comprehensive review of advanced topics such as analysis of variance and quality management programs Practice in basic problem-solving skills in calculus-based statistics

INCREASE your odds of learning STATISTICAL process control (SPC) Identify and reduce variation in business processes using SPC--the powerful analysis

tool for process evaluation and improvement. Statistical Process Control Demystified shows you how to use SPC to enable data-driven decision making and gain a competitive advantage in the marketplace. Written in a step-by-step format, this practical guide explains how to analyze process data, collect data, and determine the suitability of a process in meeting requirements. Attribute and X-bar control charts are discussed, as are charts for individuals data. You'll also get details on process improvement and measurement systems analysis. Detailed examples, calculations, and statistical assumptions make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key concepts. It's a no-brainer! You'll learn about: Control chart interpretation Overcoming common errors in the use of SPC and general statistical analysis tools Sampling requirements Analysis using Excel Estimating process variation Designed experiments Measurement systems analysis, including R&R studies Continuous process improvement strategies Simple enough for a beginner, but challenging enough for an advanced student, Statistical Process Control Demystified is your shortcut to this powerful analysis solution. Need to learn Minitab? Problem Solved! Get started using Minitab right way with help from this hands-on guide. Minitab Demystified walks you through essential Minitab features and shows you how to apply them to solve statistical analysis problems. Featuring coverage of Minitab 16, this practical guide explores the Minitab interface and the full range of Minitab graphics, Distribution models, statistical intervals, hypothesis testing, and sample size calculations are clearly explained. The book covers modeling tools of regression and the design of experiments (DOE) as well as the industrial quality tools of measurement systems analysis, control charts, capability analysis, acceptance sampling, and reliability analysis. Detailed examples and concise explanations make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key concepts. It's a no-brainer! You'll learn about: Accessing powerful Minitab functions with the Minitab assistant Confidence, prediction, and tolerance intervals Designing and analyzing experiments with hard-to-change variables Statistical process control (SPC), Six Sigma applications, and quality control Predicting the economic impact of sampling Analyzing life data with additional variables Simple enough for a beginner, challenging enough for an advanced student, and thorough enough for a Six Sigma professional, Minitab Demystified is your shortcut to statistical analysis success!

Here's the sure cure for CIRCUIT PARALYSIS! Need to learn circuit analysis but experiencing some resistance in your brain waves? No stress! Circuit Analysis Demystified will give you the jolt you need to understand this complex subject--without getting your circuits crossed. In the first part of the book, you'll learn the fundamentals such as voltage and current theorems, Thevenin and Norton's theorems, op amp circuits, capacitance and inductance, and phasor analysis of circuits. Then you'll move on to more advanced topics including Laplace transforms, three-phase circuits, filters, Bode plots, and characterization

of circuit stability. Featuring end-of-chapter quizzes and a final exam, this book will have you in a steady state when it comes to circuit analysis in no time at all. This fast and easy guide offers: Numerous figures to illustrate key concepts Sample equations with worked solutions Coverage of Kirchhoff's laws, the superposition theorem, Millman's theorem, and delta-wye transformations 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 an advanced student, *Circuit Analysis Demystified* will transform you into a master of this essential engineering subject.

Learn BIOCHEMISTRY without stressing out your brain CELLS Trying to understand the chemical processes of living organisms but having trouble metabolizing the complex concepts? Here's your lifeline! *Biochemistry Demystified* helps synthesize your understanding of this important topic. You'll start with a review of basic chemical concepts and a look at cell structures and cell division. Next, you'll study carbohydrates, lipids, proteins, nucleic acids, nucleotides, and enzymes. Glycolysis, the citric acid cycle, oxidative phosphorylation, and the control of chemical processes round out the coverage. Hundreds of examples and illustrations make it easy to understand the material, and end-of-chapter questions and a final exam help reinforce learning. This fast and easy guide offers: Numerous figures to illustrate key concepts Details on DNA and RNA Coverage of hormones and neurotransmitters A chapter on analytical techniques and bioinformatics 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, *Biochemistry Demystified* is your key to mastering this vital life sciences subject.

Voilà! Learning French just got a whole lot easier. Interested in learning or refreshing your French but feel your language skills are less than *extraordinaire*? No need to worry! With *French Demystified* you'll quickly build up your repertoire and be able to understand the language and communicate effectively. Beginning with familiar French cognates and a review of basic French pronunciation, this book covers key grammar fundamentals such as common verb tenses, nouns, pronouns, and gender. You'll build your French vocabulary with essential words and phrases and quickly master this challenging yet lyrical language. Test yourself at the end of every chapter for reinforcement that you're fast on your way to speaking, writing, and understanding French. This fast and easy guide features: Clear and straightforward explanations of French grammar fundamentals Numerous examples that place new words in practical context Helpful writing and speaking exercises that bring the French language to life Coverage of everyday topics as well as conversational expressions Quizzes at the end of each chapter to reinforce new material Simple enough for a beginner but challenging enough for a more advanced student, *French Demystified* is your shortcut to mastering this engaging language.

Learn BIOPHYSICS without expending a lot of ENERGY! Interested in unraveling the physics of living things? Here's your starting point. *Biophysics Demystified* is the fast and easy way to understand this fascinating topic. Written in a step-by-step format, this

practical guide begins with an introduction to the science of biophysics, covering biophysical techniques and applications. Next, you'll learn the principles of physics, biology, and chemistry required to understand biophysics, including free energy, entropy, and statistical mechanics. Biomolecules and the forces that influence their structure and conformation are also covered, as are protein, nucleic acid, and membrane biophysics. Detailed examples and concise explanations make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key concepts. It's a no-brainer! You'll get: Molecular, subcellular, physiological, anatomical, and environmental biophysics The laws of thermodynamics as they apply to biophysical systems Forces affecting conformation in biological molecules The composition and structure of carbohydrates, lipids, proteins, and nucleic acids The fluid mosaic model Simple enough for a beginner, but challenging enough for an advanced student, *Biophysics Demystified* makes this interdisciplinary subject easy to master. Never surrender to U.S. history! *U.S. History DeMYSTiFieD* gives you the opportunity to learn this subject at your own pace. Master topics such as important dates; prominent presidential acts and decisions; America's role during both world wars; as well as fun and interesting facts. The book helps you truly comprehend this challenging subject without overwhelming you with complexities or mystifying jargon. *U.S. History DeMYSTiFieD* features: Chapter-opening objectives that give you insight into what you're going to learn in each step Questions at the end of every chapter reinforce learning and pinpoint weaknesses "Still Struggling?" icon offers specific recommendations for when you're having difficulty with certain subtopics Includes a final exam for overall self-assessment "Curriculum Tree" shows how the topic covered in the book fits into a larger curriculum

Don't let quadratic equations make you irrational If you are absolutely confused by absolute value equations, or you think parabolas are short moral stories, *College Algebra DeMYSTiFied, Second Edition* is your solution to mastering the topic's concepts and theories at your own pace. This thoroughly revised and updated guide eases you into the subject, beginning with the math fundamentals then introducing you to this advanced form of algebra. As you progress, you will learn how to simplify rational expressions, divide complex numbers, and solve quadratic equations. You will understand the difference between odd and even functions and no longer be confused by the multiplicity of zeros. Detailed examples make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key ideas. It's a no-brainer! You'll learn about: The x-y coordinate plane Lines and intercepts The FOIL method Functions Nonlinear equations Graphs of functions Exponents and logarithms Simple enough for a beginner, but challenging enough for an advanced student, *College Algebra DeMYSTiFieD, Second Edition* is your shortcut to a working knowledge of this engaging subject.

Your step-by-step solution to mastering precalculus Understanding precalculus often opens the door to learning more advanced and practical math subjects, and can also help satisfy college requisites. *Precalculus Demystified, Second Edition*, is your key to mastering this sometimes tricky subject. This self-teaching guide presents general precalculus concepts first, so you'll ease into the basics. You'll gradually master functions, graphs of functions, logarithms, exponents, and more. As you progress, you'll also conquer topics such as absolute value, nonlinear inequalities, inverses,

trigonometric functions, and conic sections. Clear, detailed examples make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key ideas. It's a no-brainer! You'll learn about: Linear questions Functions Polynomial division The rational zero theorem Logarithms Matrix arithmetic Basic trigonometry Simple enough for a beginner but challenging enough for an advanced student, Precalculus Demystified, Second Edition, Second Edition, helps you master this essential subject.

Lick your French-language problems with DeMYSTiFieD! Want to figure out French but don't know where to start? No problem! Just use French DeMYSTiFieD, Second Edition and--voilà!--learning the language gets a whole lot easier. Written in a step-by-step format, this practical guide provides a firm foundation in French-language basics. You'll move on to mastering subjects such as using verbs, asking questions, telling time, counting, and more. 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 learn: Pronunciation Special Characters Definite Articles Conjugations Pronouns And more Topics include: French Pronunciation, Identifying Things, Asking Questions, To Be or To Have, That is the Question, Describing Things, Telling Time, Expressing Possibilities, Wishes, and Abilities, Getting Acquainted, Talking About the Immediate Future and Past, Using Pronomial Verbs, All About Pronouns, Talking About the Past with the Passé, Talking About the Past with the Imparfait, All About Prepositions, Indicating Possession, Using The Infinitive, Present Participle, and Passive Voice, Making Suggestions and Hypotheses, Knowing Who is Whom with Relative Pronouns, The Subjunctive Mood

Your SOURCE for supply chain management fundamentals Optimize your understanding of the essential supply chain management practices used by the best firms to gain competitive advantage. Written in an easy-to-follow style, Supply Chain Management DeMYSTiFieD is filled with best practices and proven techniques for success. This practical guide covers supply chain collaboration, planning, strategic sourcing, manufacturing, production, logistics, risk management, and performance metrics. Corporate social responsibility is also addressed. Detailed examples and concise explanations make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key concepts. It's a no-brainer! You'll learn about: Creating a customer-focused strategy Buyer-supplier negotiations New product development Just in time (JIT), Lean manufacturing, and Six Sigma Transportation Global supply chains Simple enough for a beginner, but challenging enough for an advanced student, Supply Chain Management DeMYSTiFieD helps you master this essential business and quality management topic.

Add some SPARK to your study of ELECTRICITY Having trouble understanding the fundamentals of electricity? Problem solved! Electricity Demystified, Second Edition, makes it shockingly easy to learn the basic concepts. Written in a step-by-step format, this practical guide begins by covering direct current (DC), voltage, resistance, circuits, cells, and batteries. The book goes on to discuss alternating current (AC), power supplies, wire, and cable. Magnetism and electromagnetic effects are also addressed. Detailed examples and concise explanations make it easy to understand the material. End-of-chapter quizzes and a final exam help reinforce key concepts. It's a no-brainer! You'll learn about: Ohm's Law, power, and energy Kirchhoff's Laws Electrochemical

energy Electricity in the home Protecting electronic equipment Electromagnetic interference Practical magnetism Simple enough for a beginner, but challenging enough for an advanced student, *Electricity Demystified, Second Edition*, powers up your understanding of this essential subject.

DeMYSTiFieD fuels your knowledge of tricky subjects like alternative energy If you think a Maglev train is a child's toy, or learning about fusion makes your brain reach critical mass, *Alternative Energy DeMYSTiFieD, Second Edition* will power up your knowledge of this topic's fundamental concepts and theories at your own pace. This practical guide eases you into this field of science, starting at primitive heating sources such as coal and wood. As you progress, you will master the science behind alternative energies such as evaporative cooling, fuel-cell vehicles, aereoelectric power, and more. You will understand the difference between conventional fluorescent and compact fluorescent lamps as well as the benefits of large-scale wind power. Detailed examples make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key ideas. It's a no-brainer! You'll learn about: Passive solar heating Thermal-mass cooling Propulsion with biofuels Electric vehicles Large-scale hydropower Semiconductor lamps Geothermal power Simple enough for a beginner, but challenging enough for an advanced student, *Alternative Energy DeMYSTiFieD, Second Edition* is your shortcut to a working knowledge of this timely topic.

If you think projection operators work in the cinema, or learning about spin-1/2 makes your head, well, spin, *Quantum Mechanics DeMYSTiFieD* will energize your knowledge of this topic's fundamental concepts and theories, and allow you to learn at your own pace. This thoroughly revised and updated guide eases you into the subject, beginning with wave mechanics then introducing you to the mathematical foundations needed to do modern quantum physics. As you progress, you will learn the fundamentals of matrix mechanics, including how to compute the trace of a matrix, find eigenvalues, and use ladder operators. You will understand the difference between time independent perturbation and time dependent perturbation theory and other oncecomplicated concepts. Detailed examples make it easy to understand the material, and end-of-chapter quizzes and a final exam help reinforce key ideas. It's a no-brainer! You'll learn about: State Space Basis Vectors Functions of Operators The Postulates of Quantum Mechanics Angular Momentum Spin and the Pauli Matrices Scattering Theory Simple enough for a beginner, but challenging enough for an advanced student, *Quantum Mechanics DeMYSTiFieD, Second Edition* is your shortcut to a working knowledge of this engaging science.

United States audience includes 120,000-plus engineering students and 60,000-plus science majors who are required to take a calculus-based statistics course Includes examples from MINITAB, EXCEL, STATISTIXS, SAS, SPSS, and MAPLE statistical software programs Understanding PHYSICS just got a whole lot EASIER! Stumped trying to make sense of physics? Here's your solution. *Physics Demystified, Second Edition* helps you grasp the essential concepts with ease. Written in a step-by-step format, this practical guide begins by covering classical physics, including mass, force, motion, momentum, work, energy, and power, as well as the temperature and states of matter. Electricity, magnetism, and electronics are discussed as are waves, particles, space, and time. Detailed examples, concise explanations, and worked problems 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 learn about: Scientific notation, units, and constants Newton's laws of motion Kirchhoff's laws Alternating current and semiconductors Optics Relativity theory Simple enough for a beginner, but detailed enough for an advanced student, *Physics Demystified, Second Edition* helps you master this

challenging and diverse subject. It's also the perfect resource to prepare you for higher-level physics classes and college placement tests.

Lick your Italian-language problems with DeMYSTiFieD! Want to get into Italian but don't know where to start? No problem! Italian DeMYSTiFieD, Second Edition will help you say arrivederci to your fears of learning a new language. Written in a step-by-step format, this practical guide provides a firm foundation in Italian-language basics. You'll move on to mastering subjects such as using verbs, asking questions, telling time, counting, and more. 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 learn: Italian Pronunciation Special Characters Verb usage Conjugations Pronouns And more Topics include: Italian Pronunciation and Spelling, Meeting and Greeting People, Asking Questions, Describing People and Things, Expressing Likes and Dislikes, Eating and Drinking, Telling Time, Expressing Dates, Talking About the Weather, Giving Commands, Using Reflexive Verbs, Using the Present Perfect Tense, Using the Imperfect Tense, Using the Pluperfect and Past Absolute Tenses, Talking About the Human Body, Talking About the Future, Using the Conditional Tense, Using Object Pronouns, Using Double and Attached Object Pronouns, Making Comparisons

Say sayonara to your fears of speaking Japanese! Interested in learning to speak Japanese but feel intimidated by the complex characters and pronunciations? No need to worry! Even if your only experience is ordering sushi, Japanese Demystified will have you saying konnichiwa to your new language skills in no time. Beginning with a review of Japanese writing systems, basic pronunciation, and everyday expressions, this book covers key grammar fundamentals such as particles, nouns, verb forms, and honorifics. You'll build your Japanese vocabulary with essential words and phrases and quickly master this challenging language. Test yourself at the end of every chapter for reinforcement that you're fast on your way to speaking, writing, and understanding Japanese. This fast and easy guide features: Clear and straightforward explanations of Japanese grammar fundamentals Numerous examples of simple and complex sentence structures Japanese hiragana, katakana, and kanji with phonetic transliterations for all Japanese words Helpful writing and speaking exercises that bring the Japanese language to life Coverage of everyday topics as well as conversational expressions Quizzes at the end of each chapter to reinforce new material Simple enough for a beginner, but challenging enough for a more experienced student, Japanese Demystified is your shortcut to mastering this complex language.

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