
Errata In The Cartoon Guide To Calculus

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 Programming transmission. address
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 help you progress, Methods of
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 readable, pro network level
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 In the early HTTP/2 and handlers,
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 sockets to multicasting, serialize

data for storage or transmission in Go-friendly formats like JSON, Gob, XML, and protocol buffers. Ways of instrumenting your code to provide metrics about requests, errors, and more. Approaches for setting up your application to run in the cloud (and reasons why you might want to). Network Programming with Go is

all you'll need to take advantage of Go's built-in concurrency, rapid compiling, and rich standard library. Covers Go 1.15 (Backward compatible with Go 1.12 and higher). *The Cartoon Guide to Algebra* No Starch Press. In this latest edition of the successful Cartoon Guide series, master cartoonist and former Harvard instructor Larry Gonick offers a complete and up-to-date illustrated course to help students

understand and learn this core mathematical course taught in American schools. Using engaging graphics and lively humor, Gonick covers all of the algebra essentials, including linear equations, polynomials, quadratic equations, and graphing techniques. He also offers a concise overview of algebra's history and its many practical applications in modern life. Combining Gonick's unique ability to make difficult topics fun, interesting, and easy-to-understand—while still relaying the essential information in a

clear, organized and accurate format—The Cartoon Guide to Algebra is an essential supplement for students of all levels, in high school, college, and beyond.

The Manga Guide to Cryptography

No Starch Press

"A gentle introduction to some of the most useful

mathematical concepts that should be in your developer toolbox." -

Christopher Haupt, New Relic

Explore important mathematical concepts through hands-on coding.

Purchase of the

print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. Filled with graphics and more than 300 exercises and mini-projects, this book unlocks the door to interesting – and lucrative! – careers in some of today ' s hottest fields. As you tackle the basics of linear algebra, calculus, and machine learning, you ' ll master the key Python libraries used to turn them into real-world software applications. Summary To score a job in data

science, machine learning, computer graphics, and cryptography, you need to bring strong math skills to the party. Math for Programmers teaches the math you need for these hot careers, concentrating on what you need to know as a developer. Filled with lots of helpful graphics and more than 200 exercises and mini-projects, this book unlocks the door to interesting – and lucrative! – careers in some of today ' s hottest programming fields. About the technology Skip

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Beast Academy Practice 5B
No Starch Press
"The most insightful and intuitive guide to clean and simple software. I recommend this to all software developers." - Rob Pacheco, Vision Government Solutions

Grokking Simplicity is a friendly, practical guide that will change the way you approach software design and development. Distributed across servers, difficult to test, and resistant to modification—modern software is complex. Grokking Simplicity is a friendly, practical guide that will change the way you approach software design and development. It introduces a unique approach to functional programming that explains why certain features of software are prone

to complexity, and teaches you the functional techniques you can use to simplify these systems so that they 're easier to test and debug. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Developers rightly fear the unintended complexity that infects most code. This book shows you how to write software that keeps complexity close to its inherent

minimum. As you write software you should distinguish between code that alters your system ' s state, and code that does not. Once you learn to make that distinction, you can refactor much of your state-altering " actions " into stateless " calculations. " Your software will be simpler. About the book The book also teaches you to solve the complex timing bugs that inevitably creep into asynchronous and multithreaded code. In advanced sections of the book you learn

how composable abstractions help avoid repeating code and open up new levels of expressivity. What's inside Patterns for simpler code Powerful time modeling approaches to simplify asynchronous code How higher-order functions can make code reusable and composable About the reader For intermediate and advanced developers building complex software. Exercises, illustrations, self-assessments, and hands-on examples

lock in each new idea. About the author Eric Normand is an expert software developer who has been an influential teacher of functional programming since 2007. Table of Contents 1 Welcome to Grokking Simplicity 2 Functional thinking in action PART 1 - ACTIONS, CALCULATIONS, AND DATA 3 Distinguishing actions, calculations, and data 4 Extracting calculations from actions 5 Improving the

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 The functional journey ahead
[Grokking Algorithms](#)
 McGraw-Hill Companies
 FreeBSD runs many of the Web's most demanding applications. Yahoo! uses FreeBSD to deliver nearly 500 million page hits a day; even Microsoft's Hotmail has run for years on FreeBSD. Now, there's a single source of documentation for the thousands of technical professionals who've discovered FreeBSD and want to leverage its awesome power. The FreeBSD Corporate Networker's Guide covers everything IT professionals need to know to deploy and manage FreeBSD in applications from the desktop to high availability enterprise servers. Start with an overview of how FreeBSD compares with Windows NT, and the roles a FreeBSD server might play in an enterprise network. Next, review server planning, hardware selection, and infrastructure preparation; then walk through the steps involved in a successful FreeBSD installation. Master every aspect of FreeBSD Internet connectivity and services -- including TCP/IP, DNS, security, Apache, email, and more. Learn the fundamentals of FreeBSD system administration; use FreeBSD systems as firewalls and routers;

configure Samba to support Windows workstations; deliver efficient print services, and more. The book concludes with a "manifesto" explaining why companies should consider migrating all their business-critical applications to FreeBSD, whatever they're using now. An accompanying CD-ROM contains FreeBSD 4.1, the latest version.

Grokking Simplicity Harper Collins
Beast Academy Practice 5B and its companion **Guide 5B** (sold separately) are the second part in the planned four-part series for 5th grade

mathematics. **Level 5B** includes chapters on statistics, factors & multiples, and fractions.

Bibliographic Guide to Psychology Springer Science & Business Media
"This book does the impossible: it makes math fun and easy!" - Sander Rossel, COAS Software
Systems Grokking Algorithms is a fully illustrated, friendly guide that teaches you how to apply common algorithms to the practical problems you face every day as a programmer. You'll start with sorting and searching and, as you build up your skills in thinking algorithmically, you'll tackle more complex concerns such as data

compression and artificial intelligence. Each carefully presented example includes helpful diagrams and fully annotated code samples in Python. Learning about algorithms doesn't have to be boring! Get a sneak peek at the fun, illustrated, and friendly examples you'll find in **Grokking Algorithms** on Manning Publications' YouTube channel. Continue your journey into the world of algorithms with **Algorithms in Motion**, a practical, hands-on video course available exclusively at Manning.com (www.manning.com/livevideo/algorithms-?in-motion). Purchase of the print book includes a free eBook in PDF, Kindle, and

ePub formats from Manning Publications. About the Technology An algorithm is nothing more than a step-by-step procedure for solving a problem. The algorithms you'll use most often as a programmer have already been discovered, tested, and proven. If you want to understand them but refuse to slog through dense multipage proofs, this is the book for you. This fully illustrated and engaging guide makes it easy to learn how to use the most important algorithms effectively in your own programs. About the Book Grokking Algorithms is a friendly take on this core computer science topic. In it, you'll learn how to apply common algorithms

to the practical programming problems you face every day. You'll start with tasks like sorting and searching. As you build up your skills, you'll tackle more complex problems like data compression and artificial intelligence. Each carefully presented example includes helpful diagrams and fully annotated code samples in Python. By the end of this book, you will have mastered widely applicable algorithms as well as how and when to use them. What's Inside Covers search, sort, and graph algorithms Over 400 pictures with detailed walkthroughs Performance trade-offs between algorithms Python-based code samples

About the Reader This easy-to-read, picture-heavy introduction is suitable for self-taught programmers, engineers, or anyone who wants to brush up on algorithms. About the Author Aditya Bhargava is a Software Engineer with a dual background in Computer Science and Fine Arts. He blogs on programming at adit.io. Table of Contents Introduction to algorithms Selection sort Recursion Quicksort Hash tables Breadth-first search Dijkstra's algorithm Greedy algorithms Dynamic programming K-nearest neighbors Errata "O'Reilly Media, Inc." "A great book with deep insights into the

bridge between programming and the human mind." - Mike Taylor, CGI Your brain responds in a predictable way when it encounters new or difficult tasks. This unique book teaches you concrete techniques rooted in cognitive science that will improve the way you learn and think about code. In *The Programmer's Brain: What every programmer needs to know about cognition you will learn: Fast and effective ways to master new programming languages Speed reading skills to quickly comprehend new code Techniques to unravel the meaning of complex code Ways to learn new syntax and keep it memorized Writing code that is easy for*

others to read Picking the right names for your variables Making your codebase more understandable to newcomers Onboarding new developers to your team Learn how to optimize your brain's natural cognitive processes to read code more easily, write code faster, and pick up new languages in much less time. This book will help you through the confusion you feel when faced with strange and complex code, and explain a codebase in ways that can make a new team member productive in days! Foreword by Jon Skeet. About the technology Take advantage of your brain's natural processes to be a better programmer. Techniques based in

cognitive science make it possible to learn new languages faster, improve productivity, reduce the need for code rewrites, and more. This unique book will help you achieve these gains. About the book *The Programmer's Brain* unlocks the way we think about code. It offers scientifically sound techniques that can radically improve the way you master new technology, comprehend code, and memorize syntax. You'll learn how to benefit from productive struggle and turn confusion into a learning tool. Along the way, you'll discover how to create study resources as you become an expert at teaching yourself and bringing new colleagues up to

speed. What's inside
 Understand how your
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 reading skills to learn
 code quickly
 Techniques to unravel
 complex code Tips for
 making codebases
 understandable About
 the reader For
 programmers who
 have experience
 working in more than
 one language. About
 the author Dr.
 Felienne Hermans is
 an associate professor
 at Leiden University
 in the Netherlands.
 She has spent the last
 decade researching
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 Essentials of
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 fast creation of
 special effects and
 real-time cinematic
 quality experiences
 on multiple
 platforms. This text
 provides a guide to
 the Cg graphics
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 Invincible Simon
 and Schuster
 A complete—and
 completely
 enjoyable—new
 illustrated guide to

calculus Master cartoonist Larry Gonick has already given readers the history of the world in cartoon form. Now, Gonick, a Harvard-trained mathematician, offers a comprehensive and up-to-date illustrated course in first-year calculus that demystifies the world of functions, limits, derivatives, and integrals. Using clear and helpful graphics—and delightful humor to lighten what is frequently a tough subject—he teaches all of the

essentials, with numerous examples and problem sets. For the curious and confused alike, *The Cartoon Guide to Calculus* is the perfect combination of entertainment and education—a valuable supplement for any student, teacher, parent, or professional. *The FreeBSD Corporate Networker's Guide* Simon and Schuster Rin and Ami have been skipping molecular biology class all semester, and Professor Moro has had enough—he's sentencing them to summer school on his private island. But

they're in store for a special lesson. Using Dr. Moro's virtual reality machine to travel inside the human body, they'll get a close-up look at the fascinating world of molecular biology. Join them in *The Manga Guide to Molecular Biology*, and learn all about DNA, RNA, proteins, amino acids, and more. Along the way, you'll see chemical reactions first-hand and meet entertaining characters like Enzyme Man and Drinkzilla, who show how the liver metabolizes alcohol. Together with Ami and Rin, you'll learn all about: – The organelles and proteins inside cells, and how they support cellular functions – The processes of transcription and

translation, and your genes' role in synthesizing proteins

- The pieces that make up our genetic code, like nucleotides, codons, introns, and exons
- The processes of DNA replication, mitosis and cytokinesis
- Genetic technology like transduction and cloning, and the role of molecular biology in medicine

Whether you need a molecular biology refresher or you're just fascinated by the science of life, *The Manga Guide to Molecular Biology* will give you a uniquely fun and informative introduction.

Looney Tunes National Geographic Books

The first book in the Comickers Art series, *Comickers*

Art: Tools and Techniques for Drawing Amazing Manga explores the various drawing tools and art techniques necessary to create successful and authentic manga. This book will teach you how to use pencils, markers, brushes, and software to create all styles of manga, and features the manga artists who best use each of the key techniques. Four color finished work from each of the featured artists is also included to inspire.

[The Motion Picture Guide](#) Cambridge

University Press

The official book on the Rust programming language, written by the Rust development team at the Mozilla Foundation, fully updated for Rust 2018. The Rust Programming Language is the official book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally

associated with low-level languages. The authors of *The Rust Programming Language*, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of Rust's features--from installation to creating robust and scalable programs. You'll begin with basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as Ownership and borrowing, lifetimes, and traits Using Rust's memory safety guarantees to build fast, safe programs Testing,

error handling, and effective refactoring Generics, smart pointers, multithreading, trait objects, and advanced pattern matching Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage dependencies How best to use Rust's advanced compiler with compiler-led programming techniques You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust

implementation of a command line tool, and a multithreaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions. *The Rust Programming Language (Covers Rust 2018)* Simon and Schuster The fundamental mathematical tools needed to understand machine learning include linear algebra, analytic geometry, matrix decompositions, vector calculus, optimization, probability and statistics. These topics are traditionally taught in disparate courses, making it

hard for data science or computer science students, or professionals, to efficiently learn the mathematics. This self-contained textbook bridges the gap between mathematical and machine learning texts, introducing the mathematical concepts with a minimum of prerequisites. It uses these concepts to derive four central machine learning methods: linear regression, principal component analysis, Gaussian mixture models and support vector machines. For students and others with a mathematical background, these derivations provide a starting point to machine learning texts. For those learning the

mathematics for the first time, the methods help build intuition and practical experience with self-applying mathematical concepts. Every chapter includes worked examples and exercises to test understanding. Programming tutorials are offered on the book's web site. The Cg Tutorial Simon and Schuster Glycobiology has its roots in the nineteenth century, when chemists first began to analyze sugar and polysaccharides. Advances in this area continued at a steady rate during most of this century, but the past 20 years has witnessed an unparalleled explosion of new knowledge that has

transformed the field. This monograph contains the basic information needed to understand the field of glycobiology along with the most current work at the forefront of the field. [Network Programming with Go](#) No Starch Press WebAssembly: The Definitive Guide provides a thorough and accessible introduction to one of the most transformative technologies hitting our industry. What started as a way to use languages other than just JavaScript in the browser has evolved into a comprehensive path toward portability, performance, increased security and greater code reuse across an impressive collection

of deployment targets. The goals may sound familiar, but in practice, we're finally getting our safe, fast, portable, and secure software development environment offering the potential for reuse. This practical book introduces the elements of this technology incrementally while building to several concrete, code-driven examples of practical but cutting edge WebAssembly uses. EverQuest Simon and Schuster

Within this tome are seven of the most compelling dungeons from the 40+ year history of Dungeons & Dragons. Some are classics that have hosted an untold number of adventurers, while others are some of the most popular

adventures ever printed. The seeds of these stories now rest in your hands. D&D's most storied dungeons are now part of your modern repertoire of adventures. Enjoy, and remember to keep a few spare character sheets handy. **DREAD TALES TOLD IN THE DEAD OF NIGHT** When the shadows grow long in Waterdeep and the fireplace in the taproom of the Yawning Portal dims to a deep crimson glow, adventurers from across the Forgotten Realms, and even from other worlds, spin tales and spread rumors of dark dungeons and lost treasures. Some of the yarns overheard by Durnan, the barkeep of the Yawning Portal, are inspired by

places and events in far-flung lands from across the D&D multiverse, and these tales have been collected into a single volume. For use with the fifth edition Player's Handbook®, Monster Manual®, and Dungeon Master's Guide®, this book provides fans with adventures, magic items and deadly monsters, all of which have been updated to the fifth edition rules. Explore seven deadly dungeons in this adventure supplement for the world's greatest roleplaying game. Tales from the Yawning Portal Includes the Following Adventures: Against the Giants Dead in Thay Forge of Fury Hidden Shrine of Tamoachan Sunless Citadel Tomb

of Horrors White
Plume Mountain