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Gödel, Escher, Bach Oxford University Press

One day Sophie comes home from school to find two questions in her mail: "Who are you?" and "Where does the world come from?" Before she knows it she is enrolled in a correspondence course with a mysterious philosopher. Thus begins Jostein Gaarder's unique novel, which is not only a mystery, but also a complete and entertaining history of philosophy.

Handbook of Hydraulic Resistance American Mathematical Soc.
An original, endlessly thought-provoking, and controversial look at the nature of consciousness and identity argues that the key to understanding selves and consciousness is the "strange loop," a special kind of abstract feedback loop inhabiting our brains.

Mathematical Reviews Simon and Schuster

Kurt Gödel was an intellectual giant. His Incompleteness Theorem turned not only mathematics but also the whole world of science and philosophy on its head. Shattering hopes that logic would, in the end, allow us a complete understanding of the universe, Gödel's theorem also raised many provocative questions: What are the limits of rational thought? Can we ever fully understand the machines we build? Or the inner workings of our own minds? How should mathematicians proceed in the absence of complete certainty about their results? Equally legendary were Gödel's eccentricities, his close friendship with Albert Einstein, and his paranoid fear of germs that eventually led to his death from self-starvation. Now, in the first book for a general audience on this strange and brilliant thinker, John Casti and Werner DePauli bring the legend to life.

The Story of a Mathematical Circle for Preschoolers Farrar, Straus and Giroux

Hofstadter's collection of quirky essays is unified by its primary concern: to examine the way people perceive and think.

Translation and the Meaning of Everything Basic Books (AZ)

France's leading nutritionist Dr. Jean-Michel Cohen pinpoints why you struggle with weight loss diets and offers a plan for achieving your ideal weight while embracing life's pleasures. Dr. Jean-Michel Cohen, France's most popular dietician, has helped over two million patients worldwide reach their ideal weight and stabilize long term, all while savoring healthy, balanced meals. His progressive three-step weight loss plan includes 325 easy-to-prepare recipes, helpful hints, and practical checklists to get the weight off and keep it off. Strongly opposed to "extreme" diets and the inevitable weight gain that ensues, Dr. Cohen proposes a holistic approach that addresses the physical, psychological, and cultural factors that impact our ability to control our relationship with food. Once we understand our behavior, it's easy and rewarding to see the pounds melt away. His diet proposes food substitutions to adapt recipes to your personal preferences and allows you to indulge in the occasional craving as long as you compensate beforehand and afterwards. With Dr. Cohen's foolproof supermarket tactics and the diet's inherent flexibility, you'll find it easy to continue until you reach your goal weight, losing up to 30 pounds in three months. The simple, delicious, and satisfying menus offer a wide variety of choice, and emphasize the best-practices of the French way of eating, from using fresh produce, to balancing your intake throughout the day, to the pacing of mealtimes. The Parisian Diet is not a flash-in-the-pan diet, it's a new approach to food and a way to celebrate life, helping you look and feel your best.

What Every Real Estate Investor Needs to Know About Cash Flow... And 36 Other Key Financial Measures, Updated Edition Cambridge University Press

Elementary set theory accustoms the students to mathematical abstraction, includes the standard constructions of relations, functions, and orderings, and leads to a discussion of the various orders of infinity. The material on logic covers not only the standard statement logic and first-order predicate logic but includes an introduction to formal systems, axiomatization, and model theory. The section on algebra is presented with an emphasis on lattices as well as

Boolean and Heyting algebras. Background for recent research in natural language semantics includes sections on lambda-abstraction and generalized quantifiers. Chapters on automata theory and formal languages contain a discussion of languages between context-free and context-sensitive and form the background for much current work in syntactic theory and computational linguistics. The many exercises not only reinforce basic skills but offer an entry to linguistic applications of mathematical concepts. For upper-level undergraduate students and graduate students in theoretical linguistics, computer-science students with interests in computational linguistics, logic programming and artificial intelligence, mathematicians and logicians with interests in linguistics and the semantics of natural language.

Discrete Mathematics for Computer Science Simon and Schuster

The Classic Guide to Real Estate Investing—Updated for a Re-energized Industry! Real estate is once again a great investment, and this bestselling guide provides everything you need to know to get in now and make your fortune. What Every Real Estate Investor Needs to Know About Cash Flow removes the guesswork from investing in real estate by teaching you how to crunch numbers like a pro, so you can confidently judge a property's value and ensure it provides long-term returns. Real estate expert, Frank Gallinelli has added new, detailed investment case studies, while maintaining the essentials that have made his book a staple among serious investors. Learn how to measure critical aspects of real estate investments, including: Discounted Cash Flow Net Present Value Capitalization Rate Cash-on-Cash Return Net Operating Income Internal Rate of Return Profitability Index Return on Equity Whether you're just beginning in real estate investing or you're a seasoned professional, What Every Real Estate Investor Needs to Know About Cash Flow has what you need to make sure you take the smartest approach for your next investment using proven calculations.

Teaching Translation from Spanish to English Springer Science & Business Media

'What is a self and how can a self come out of inanimate matter?' This is the riddle that drove Douglas Hofstadter to write this extraordinary book. In order to impart his original and personal view on the core mystery of human existence - our intangible sensation of 'I'-ness - Hofstadter defines the playful yet seemingly paradoxical notion of 'strange loop', and explicates this idea using analogies from many disciplines.

The World from Beginnings to 4000 BCE Sterling Publishing Company, Inc.

From Douglas Adams, the legendary author of one of the most beloved science fiction novels of all time, The Hitchhiker's Guide to the Galaxy, comes a wildly inventive novel—in trade paperback for the first time—of ghosts, time travel, and one detective's mission to save humanity from extinction. DIRK GENTLY'S HOLISTIC DETECTIVE AGENCY We solve the whole crime We find the whole person Phone today for the whole solution to your problem (Missing cats and messy divorces a specialty) Douglas Adams, the "master of wacky words and even wackier tales" (Entertainment Weekly) once again boggles the mind with a completely unbelievable story of ghosts, time travel, eccentric computer geniuses, Samuel Taylor Coleridge, the end of the world, and—of course—missing cats.

Micromégas and the Measure of All Things American Mathematical Soc.

Product Dimensions: 9.7 x 6.6 x 2.1 inches The Handbook has been composed on the basis of processing, systematization, and classification of the results of a great number of investigations published at different time. The essential part of the book is the outcome of investigations carried out by the author. The present edition of this Handbook should assist in increasing the quality and efficiency of the design and usage of industrial power engineering and other constructions and also of the devices and apparatus through which liquids and gases move.

Mathematical Methods in Linguistics Grand Central Publishing

The Cambridge Advanced Learner's Dictionary gives the vital support which advanced students need, especially with the essential skills: reading, writing, listening and speaking. In the book: * 170,000 words, phrases and examples * New words: so your English stays up-to-date * Colour headwords: so you can find the word you are looking for quickly * Idiom Finder * 200 'Common Learner Error' notes show how to avoid common mistakes * 25,000 collocations show the way words work together * Colour pictures: 16 full page colour pictures On the CD-ROM: * Sound: recordings in British and American English, plus practice tools to help improve pronunciation * UNIQUE! Smart Thesaurus helps you choose the right word * QUICKfind looks up words for you while you are working or reading on screen * UNIQUE! SUPERwrite gives on screen

help with grammar, spelling and collocation when you are writing * Hundreds of interactive exercises

The Great Theorems of Mathematics "O'Reilly Media, Inc."

While many professional translators believe the ability to translate is a gift that one either has or does not have, Allison Beeby Lonsdale questions this view. In her innovative book, she demonstrates how teachers can guide their students by showing them how insights from communication theory, discourse analysis, pragmatics, and semiotics illuminate the translation process. Challenging long-held assumptions, she establishes a fascinating framework on which to base the structure of a professional prose-translation class. Her original contributions to the question of directionality and to the specific strategies of translating are applicable to not only the teaching of translation from Spanish to English, but to other teaching situations and to other pairs of languages as well. She also reviews the latest attempts in translation theory to define and contextualize ideal translator competence, student translator competence, and general translation strategies. Beeby Lonsdale completes her book by applying her conclusions to selecting and organizing the content of teaching translation from Spanish to English. She illustrates one or more of the basic translation principles through 29 teaching units, which are prefaced by objectives, tasks, and commentaries for the teacher, and through 48 task sheets, which show how to present the material to students.

Thinking Mathematically Penguin Group(CA)

To be human is to be curious. And one of the things we are most curious about is how we came to be who we are—how we evolved over millions of years to become creatures capable of inquiring into our own evolution. In this lively and readable introduction, renowned anthropologist Ian Tattersall thoroughly examines both fossil and archaeological records to trace human evolution from the earliest beginnings of our zoological family, Hominidae, through the appearance of Homo sapiens to the Agricultural Revolution. He begins with an accessible overview of evolutionary theory and then explores the major turning points in human evolution: the emergence of the genus Homo, the advantages of bipedalism, the birth of the big brain and symbolic thinking, Paleolithic and Neolithic tool making, and finally the enormously consequential shift from hunter-gatherer to agricultural societies 10,000 years ago. Focusing particularly on the pattern of events and innovations in human biological and cultural evolution, Tattersall offers illuminating commentary on a wide range of topics, including the earliest known artistic expressions, ancient burial rites, the beginnings of language, the likely causes of Neanderthal extinction, the relationship between agriculture and Christianity, and the still unsolved mysteries of human consciousness. Complemented by a wealth of illustrations and written with the grace and accessibility for which Tattersall is widely admired, *The World from Beginnings to 4000 BCE* invites us to take a closer look at the strange and distant beings who, over the course of millions of years, would become us.

Questing For The Essence Of Mind And Pattern 清华大学出版有限公司

This book is about machine translation (MT) and the classic problems associated with this language technology. It examines the causes of these problems and, for linguistic, rule-based systems, attributes the cause to language's ambiguity and complexity and their interplay in logic-driven processes. For non-linguistic, data-driven systems, the book attributes translation shortcomings to the very lack of linguistics. It then proposes a demonstrable way to relieve these drawbacks in the shape of a working translation model (Logos Model) that has taken its inspiration from key assumptions about psycholinguistic and neurolinguistic function. The book suggests that this brain-based mechanism is effective precisely because it bridges both linguistically driven and data-driven methodologies. It shows how simulation of this cerebral mechanism has freed this one MT model from the all-important, classic problem of complexity when coping with the ambiguities of language. Logos Model accomplishes this by a data-driven process that does not sacrifice linguistic knowledge, but that, like the brain, integrates linguistics within a data-driven process. As a consequence, the book suggests that the brain-like mechanism embedded in this model has the potential to contribute to further advances in machine translation in all its technological instantiations.

Dirk Gently's Holistic Detective Agency National Academies Press

A New York Times Notable Book for 2011 One of The Economist's 2011 Books of the Year People speak different languages, and always have. The Ancient Greeks took no notice of anything unless it was said in Greek; the Romans made everyone speak Latin; and in India, people learned their neighbors' languages—as did many ordinary Europeans in times past (Christopher Columbus knew Italian, Portuguese, and Castilian Spanish as well as the classical languages). But today, we all use translation to cope with the diversity of languages. Without translation there would be no world news, not much of a reading list in any subject at college, no repair manuals for cars or planes; we wouldn't even be able to put together flat-pack furniture. Is That a Fish in Your Ear? ranges across the whole of human experience, from foreign films to philosophy, to show why translation is at the heart of what we do and who we are. Among many other things, David Bellos asks: What's the difference between translating unprepared natural speech and translating Madame Bovary? How do you translate a joke? What's the difference between a native tongue and a learned one? Can you translate between any pair of languages, or only between some? What really goes on when world leaders speak at the UN? Can machines ever replace human translators, and if not, why? But the

biggest question Bellos asks is this: How do we ever really know that we've understood what anybody else says—in our own language or in another? Surprising, witty, and written with great joie de vivre, this book is all about how we comprehend other people and shows us how, ultimately, translation is another name for the human condition.

The Blue Book of Grammar and Punctuation Farrar, Straus and Giroux

Like masterpieces of art, music, and literature, great mathematical theorems are creative milestones, works of genius destined to last forever. Now William Dunham gives them the attention they deserve. Dunham places each theorem within its historical context and explores the very human and often turbulent life of the creator — from Archimedes, the absentminded theoretician whose absorption in his work often precluded eating or bathing, to Gerolamo Cardano, the sixteenth-century mathematician whose accomplishments flourished despite a bizarre array of misadventures, to the paranoid genius of modern times, Georg Cantor. He also provides step-by-step proofs for the theorems, each easily accessible to readers with no more than a knowledge of high school mathematics. A rare combination of the historical, biographical, and mathematical, *Journey Through Genius* is a fascinating introduction to a neglected field of human creativity. “ It is mathematics presented as a series of works of art; a fascinating lingering over individual examples of ingenuity and insight. It is mathematics by lightning flash. ” —Isaac Asimov

Voltaire 's Riddle Cambridge University Press

Modern Computer Arithmetic focuses on arbitrary-precision algorithms for efficiently performing arithmetic operations such as addition, multiplication and division, and their connections to topics such as modular arithmetic, greatest common divisors, the Fast Fourier Transform (FFT), and the computation of elementary and special functions. Brent and Zimmermann present algorithms that are ready to implement in your favourite language, while keeping a high-level description and avoiding too low-level or machine-dependent details. The book is intended for anyone interested in the design and implementation of efficient high-precision algorithms for computer arithmetic, and more generally efficient multiple-precision numerical algorithms. It may also be used in a graduate course in mathematics or computer science, for which exercises are included. These vary considerably in difficulty, from easy to small research projects, and expand on topics discussed in the text. Solutions to selected exercises are available from the authors.

The Devil and Simon Flagg and Other Fantastic Tales Basic Books

Master the fundamentals of discrete mathematics with **DISCRETE MATHEMATICS FOR COMPUTER SCIENCE** with Student Solutions Manual CD-ROM! An increasing number of computer scientists from diverse areas are using discrete mathematical structures to explain concepts and problems and this mathematics text shows you how to express precise ideas in clear mathematical language. Through a wealth of exercises and examples, you will learn how mastering discrete mathematics will help you develop important reasoning skills that will continue to be useful throughout your career.

Building Blocks for Science, Engineering, Finance, Music, and More Rizzoli Publications

I consider philosophy rather than arts and write not concerning manual but natural powers, and consider chiefly those things which relate to gravity, levity, elastic force, the resistance of fluids, and the like forces, whether attractive or impulsive; and therefore I offer this work as the mathematical principles of philosophy. In the third book I give an example of this in the explication of the System of the World. I derive from celestial phenomena the forces of gravity with which bodies tend to the sun and other planets.

An Eternal Golden Braid Pearson Higher Ed

This book covers 250 milestones in mathematical history, beginning millions of years ago with ancient "ant odometers" and moving through time to our modern-day quest for new dimensions.