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Alex's Adventures in Numberland - Alex Bellos 2011-04-04

The world of maths can seem mind-boggling, irrelevant and, let's face it, boring. This groundbreaking book reclaims maths from the geeks. Mathematical ideas underpin just about everything in our lives: from the surprising geometry of the 50p piece to how probability can help you win in any casino. In search of weird and wonderful mathematical phenomena, Alex Bellos travels across the globe and meets the world's fastest mental calculators in Germany and a startlingly numerate chimpanzee in Japan. Packed with fascinating, eye-opening anecdotes, Alex's Adventures in Numberland is an exhilarating cocktail of history, reportage and mathematical proofs that will leave you awestruck.

Catalogue pour la rentrée des classes - 1979

Includes separate Liste des prix.

**The Doctrine of Chances** - Abraham de Moivre 1756

A history of the men in the author's family. Describes their pains and joys as they become American.

*Répertoire de l'édition au Québec* - 1976

**Editeurs Scolaires** - Unesco 1962

**Les Livres disponibles** - 2004

La liste exhaustive des ouvrages disponibles publiés en langue française dans le monde. La liste des éditeurs et la liste des collections de langue française.

Python in High School - Arnaud Bodin 2020-03-10

Python is the ideal language to learn programming. It is a powerful language that will immerse you in the world of algorithms. This book guides you step by step through original mathematical and computer activities adapted to high school. It is complemented by online

resources: all the Python codes and colourful chapters. You have everything you need to succeed!* Hello world! * Turtle (Scratch with Python) * If ... then ... * Functions * Arithmetic - While loop - I * Strings - Analysis of a text * Lists I * Statistics - Data visualization * Files * Arithmetic - While loop - II * Binary I * Lists II * Binary II * Probabilities - Parrondo's paradox * Find and replace * Polish calculator - Stacks * Text viewer -Markdown * L-systems * Dynamic images * Game of life * Ramsey graphs and combinatorics * Bitcoin * Random blocks *

*Optimal Transport* - Cédric Villani 2008-10-26

At the close of the 1980s, the independent contributions of Yann Brenier, Mike Cullen and John Mather launched a revolution in the venerable field of optimal transport founded by G. Monge in the 18th century, which has made breathtaking forays into various other domains of mathematics ever since. The author presents a broad overview of this area, supplying complete and self-contained proofs of all the fundamental results of the theory of optimal transport at the appropriate level of generality. Thus, the book encompasses the broad spectrum ranging from basic theory to the most recent research results. PhD students or researchers can read the entire book without any prior knowledge of the field. A comprehensive bibliography with notes that extensively discuss the existing literature underlines the book’s value as a most welcome reference text on this subject.

*Le Monde de l'éducation* - 1996

*Mutation, Randomness, and Evolution* - Arlin Stoltzfus 2021-04-22

What does it mean to say that mutation is random? How does mutation influence evolution? Are mutations merely the raw material for selection to shape adaptations? The author draws on a detailed knowledge of mutational mechanisms to argue that the randomness doctrine is best understood, not as a fact-based conclusion, but as the premise of a neo-Darwinian research program focused on selection. The successes of this research program created a blind spot - in mathematical models and verbal theories of causation - that has stymied efforts to re-think the role of variation. However, recent theoretical and empirical work shows that mutational biases can and do influence the course of evolution, including adaptive evolution, through a first come, first served mechanism. This thought-provoking book cuts through the conceptual tangle at the intersection of mutation, randomness, and evolution, offering a fresh, far-reaching, and testable view of the role of variation as a dispositional evolutionary factor. The arguments will be accessible to philosophers and historians with a serious interest in evolution, as well as to researchers and advanced students of evolution

focused on molecules, microbes, evo-devo, and population genetics.

**Les quotidiens montréalais de 1945 à 1985** - Jean de Bonville 1995

*Algorithms For Dummies* - John Paul Mueller 2017-04-11

Discover how algorithms shape and impact our digital world All data, big or small, starts with algorithms. Algorithms are mathematical equations that determine what we see—based on our likes, dislikes, queries, views, interests, relationships, and more—online. They are, in a sense, the electronic gatekeepers to our digital, as well as our physical, world. This book demystifies the subject of algorithms so you can understand how important they are business and scientific decision making. Algorithms for Dummies is a clear and concise primer for everyday people who are interested in algorithms and how they impact our digital lives. Based on the fact that we already live in a world where algorithms are behind most of the technology we use, this book offers eye-opening information on the pervasiveness and importance of this mathematical science—how it plays out in our everyday digestion of news and entertainment, as well as in its influence on our social interactions and consumerism. Readers even learn how to program an algorithm using Python! Become well-versed in the major areas comprising algorithms Examine the incredible history behind algorithms Get familiar with real-world applications of problem-solving procedures Experience hands-on development of an algorithm from start to finish with Python If you have a nagging curiosity about why an ad for that hammock you checked out on Amazon is appearing on your Facebook page, you'll find Algorithm for Dummies to be an enlightening introduction to this integral realm of math, science, and business.

**Professor Stewart's Cabinet of Mathematical Curiosities** - Ian Stewart 2010-09-03

School maths is not the interesting part. The real fun is elsewhere. Like a magpie, Ian Stewart has collected the most enlightening, entertaining and vexing 'curiosities' of maths over the years... Now, the private collection is displayed in his cabinet. There are some hidden gems of logic, geometry and probability -- like how to extract a cherry from a cocktail glass (harder than you think), a pop up dodecahedron, the real reason why you can't divide anything by zero and some tips for making money by proving the obvious. Scattered among these are keys to unlocking the mysteries of Fermat's last theorem, the Poincar Conjecture, chaos theory, and the P/NP problem for which a million dollar prize is on offer. There are beguiling secrets about familiar names like Pythagoras or prime numbers, as well as anecdotes about great mathematicians. Pull out the drawers of the Professor's cabinet and who knows what could

happen...

*Elements of Mathematics* - Nicolas Bourbaki 1968

**Annuaire général de la France et de l'étranger** - 1919

*A New Historical Relation of the Kingdom of Siam* - Simon de La Loubère 1693

**Canadiana** - 1985

**Educational publishers** - 1962

**Les Livres de l'année-Biblio** - 1979

**Bibliographie nationale française** - 2000

**Calcul mathématique avec Sage** - Paul Zimmermann 2013

Sage est un logiciel libre de calcul mathématique s'appuyant sur le langage de programmation Python. Ses auteurs, une communauté internationale de centaines d'enseignants et de chercheurs, se sont donné pour mission de fournir une alternative viable aux logiciels Magma, Maple, Mathematica et Matlab. Sage fait appel pour cela à de multiples logiciels libres existants, comme GAP, Maxima, PARI et diverses bibliothèques scientifiques pour Python, auxquels il ajoute des milliers de nouvelles fonctions. Il est disponible gratuitement et fonctionne sur les systèmes d'exploitation usuels.Pour les lycéens, Sage est une formidable calculatrice scientifique et graphique. Il assiste efficacement l'étudiant de premier cycle universitaire dans ses calculs en analyse, en algèbre linéaire, etc. Pour la suite du parcours universitaire, ainsi que pour les chercheurs et les ingénieurs, Sage propose les algorithmes les plus récents dans diverses branches des mathématiques. De ce fait, de nombreuses universités enseignent Sage dès le premier cycle pour les travaux pratiques et les projets.Ce livre est le premier ouvrage généraliste sur Sage, toutes langues confondues. Coécrit par des enseignants et chercheurs intervenant à tous les niveaux (IUT, classes préparatoires, licence, master, doctorat), il met l'accentsur les mathématiques sous-jacentes à une bonne compréhension du logiciel. En cela, il correspond plus à un cours de mathématiques effectives illustré par des exemples avec Sage qu'à un mode d'emploi ou un manuel de référence.La première partie est accessible aux élèves de licence. Le contenu des parties suivantes s'inspire du programme de l'épreuve de modélisation de l'agrégation de mathématiques.Ce livre est diffusé sous licence libre Creative Commons. Il peut être téléchargé gratuitement depuis http://sagebook.gforge.inria.fr/.

Born On A Blue Day - Daniel Tammet 2007-01-09

A journey into one of the most fascinating minds

alive today—guided by the owner himself. Bestselling author Daniel Tammet (Thinking in Numbers) is virtually unique among people who have severe autistic disorders in that he is capable of living a fully independent life and able to explain what is happening inside his head. He sees numbers as shapes, colors, and textures, and he can perform extraordinary calculations in his head. He can learn to speak new languages fluently, from scratch, in a week. In 2004, he memorized and recited more than 22,000 digits of pi, setting a record. He has savant syndrome, an extremely rare condition that gives him the most unimaginable mental powers, much like those portrayed by Dustin Hoffman in the film Rain Man. Fascinating and inspiring, Born on a Blue Day explores what it's like to be special and gives us an insight into what makes us all human—our minds.

**The Magic of Math** - Arthur Benjamin 2015-09-08

The world's greatest mental mathematical magician takes us on a spellbinding journey through the wonders of numbers (and more) "Arthur Benjamin . . . joyfully shows you how to make nature's numbers dance." -- Bill Nye (the science guy) The Magic of Math is the math book you wish you had in school. Using a delightful assortment of examples-from ice-cream scoops and poker hands to measuring mountains and making magic squares-this book revels in key mathematical fields including arithmetic, algebra, geometry, and calculus, plus Fibonacci numbers, infinity, and, of course, mathematical magic tricks. Known throughout the world as the "mathemagician," Arthur Benjamin mixes mathematics and magic to make the subject fun, attractive, and easy to understand for math fan and math-phobic alike. "A positively joyful exploration of mathematics." -- Publishers Weekly, starred review "Each [trick] is more dazzling than the last." -- Physics World

**Mathématiques** - Xavier Buff 2020-02-05

**Topics in Optimal Transportation** - Cédric Villani 2021-08-25

This is the first comprehensive introduction to the theory of mass transportation with its many—and sometimes unexpected—applications. In a novel approach to the subject, the book both surveys the topic and includes a chapter of problems, making it a particularly useful graduate textbook. In 1781, Gaspard Monge defined the problem of "optimal transportation" (or the transferring of mass with the least possible amount of work), with applications to engineering in mind. In 1942, Leonid Kantorovich applied the newborn machinery of linear programming to Monge's problem, with applications to economics in mind. In 1987, Yann Brenier used optimal transportation to prove a new projection theorem on the set of measure preserving maps, with applications to fluid mechanics in mind. Each of these

contributions marked the beginning of a whole mathematical theory, with many unexpected ramifications. Nowadays, the Monge-Kantorovich problem is used and studied by researchers from extremely diverse horizons, including probability theory, functional analysis, isoperimetry, partial differential equations, and even meteorology. Originating from a graduate course, the present volume is intended for graduate students and researchers, covering both theory and applications. Readers are only assumed to be familiar with the basics of measure theory and functional analysis.

**Diccionario de las lenguas española y francesa comparadas: Dictionnaire espagnol-français** - Nemesio Fernández Cuesta 1886

*Petit Larousse illustré* - 2007

*It All Adds Up: The Story of People and Mathematics* - Mickael Launay 2018-11-01

‘Fascinating ... so enlightening that suddenly maths doesn’t seem so fearsome as it once did’ SIMON WINCHESTER From Aristotle to Ada Lovelace: a brief history of the mathematical ideas that have forever changed the world and the everyday people and pioneers behind them. The story of our best invention yet.

**Annuaire général de l'Université et de l'enseignement français ...** - Gaston Antignac 1939

The Parrot's Theorem - Denis Guedj 2013-08-20

Mr. Ruche, a Parisian bookseller, receives a bequest from a long lost friend in the Amazon of a vast library of math books, which propels him into a great exploration of the story of mathematics. Meanwhile Max, whose family lives with Mr. Ruche, takes in a voluble parrot who will discuss math with anyone. When Mr. Ruche learns of his friend's mysterious death in a Brazilian rainforest, he decides that with the parrot's help he will use these books to teach Max and his brother and sister the mysteries of Euclid's Elements, Pythagoras's Theorem and the countless other mathematical wonders. But soon it becomes clear that Mr. Ruche has inherited the library for reasons other than enlightenment, and before he knows it the household is racing to prevent the parrot and vital, new theorems from falling into the wrong hands. An immediate bestseller when first published in France, The Parrot's Theorem charmingly combines a straightforward history of mathematics and a first-rate murder mystery.

**In Pursuit of the Unknown** - Ian Stewart 2012-03-13

The seventeen equations that form the basis for life as we know it Most people are familiar with history's great equations: Newton's Law of Gravity, for instance, or Einstein's theory of relativity. But the way these mathematical breakthroughs have contributed to human

progress is seldom appreciated. In In Pursuit of the Unknown, celebrated mathematician Ian Stewart untangles the roots of our most important mathematical statements to show that equations have long been a driving force behind nearly every aspect of our lives. Using seventeen of our most crucial equations--including the Wave Equation that allowed engineers to measure a building's response to earthquakes, saving countless lives, and the Black-Scholes model, used by bankers to track the price of financial derivatives over time--Stewart illustrates that many of the advances we now take for granted were made possible by mathematical discoveries. An approachable, lively, and informative guide to the mathematical building blocks of modern life, In Pursuit of the Unknown is a penetrating exploration of how we have also used equations to make sense of, and in turn influence, our world.

**The R Book** - Michael J. Crawley 2007-06-13

The high-level language of R is recognized as one of the mostpowerful and flexible statistical software environments, and israpidly becoming the standard setting for quantitative analysis,statistics and graphics. R provides free access to unrivalledcoverage and cutting-edge applications, enabling the user to applynumerous statistical methods ranging from simple regression to timeseries or multivariate analysis. Building on the success of the author's bestsellingStatistics: An Introduction using R, The R Book ispacked with worked examples, providing an all inclusive guide to R,ideal for novice and more accomplished users alike. The bookassumes no background in statistics or computing and introduces theadvantages of the R environment, detailing its applications in awide range of disciplines. Provides the first comprehensive reference manual for the Rlanguage, including practical guidance and full coverage of thegraphics facilities. Introduces all the statistical models covered by R, beginningwith simple classical tests such as chi-square and t-test. Proceeds to examine more advance methods, from regression andanalysis of variance, through to generalized linear models,generalized mixed models, time series, spatial statistics,multivariate statistics and much more. The R Book is aimed at undergraduates, postgraduates andprofessionals in science, engineering and medicine. It is alsoideal for students and professionals in statistics, economics,geography and the social sciences.

Probabilistic Machine Learning - Kevin P. Murphy 2022-03-01

A detailed and up-to-date introduction to machine learning, presented through the unifying lens of probabilistic modeling and Bayesian decision theory. This book offers a detailed and up-to-date introduction to machine learning (including deep learning) through the unifying lens of probabilistic

modeling and Bayesian decision theory. The book covers mathematical background (including linear algebra and optimization), basic supervised learning (including linear and logistic regression and deep neural networks), as well as more advanced topics (including transfer learning and unsupervised learning). End-of-chapter exercises allow students to apply what they have learned, and an appendix covers notation. Probabilistic Machine Learning grew out of the author's 2012 book, Machine Learning: A Probabilistic Perspective. More than just a simple update, this is a completely new book that reflects the dramatic developments in the field since 2012, most notably deep learning. In addition, the new book is accompanied by online Python code, using libraries such as scikit-learn, JAX, PyTorch, and Tensorflow, which can be used to reproduce nearly all the figures; this code can be run inside a web browser using cloud-based notebooks, and provides a practical complement to the theoretical topics discussed in the book. This introductory text will be followed by a sequel that covers more advanced topics, taking the same probabilistic approach.

Livres hebdo - 2005-09

**Mathematics and Technology** - Christiane Rousseau 2008-10-29

This book introduces the student to numerous modern applications of mathematics in technology. The authors write with clarity and present the mathematics in a clear and straightforward way making it an interesting and easy book to read. Numerous exercises at the end of every section provide practice and reinforce the material in the chapter. An engaging quality of this book is that the authors also present the mathematical material in a historical context and not just the practical one. Mathematics and Technology is intended for undergraduate students in mathematics, instructors and high school teachers. Additionally, its lack of calculus centricity as well as a clear indication of the more difficult topics and relatively advanced references make it suitable for any curious individual with a decent command of high school math.

Français Interactif - Karen Kelton 2019-08-15

This textbook includes all 13 chapters of Français interactif. It accompanies www.laits.utexas.edu/fi, the web-based French program developed and in use at the University of Texas since 2004, and its companion site, Tex's French Grammar (2000) www.laits.utexas.edu/tex/ Français interactif is an open acess site, a free and open multimedia resources, which requires neither password nor fees. Français interactif has been funded and created by Liberal Arts Instructional Technology Services at the University of Texas, and is currently supported by COERLL, the Center for Open Educational Resources and Language

Learning UT-Austin, and the U.S. Department of Education Fund for the Improvement of Post-Secondary Education (FIPSE Grant P116B070251) as an example of the open access initiative.

Annuaire général de l'Université et de l'enseignement français - 1937

*Art of Drawing the Human Body* - Inc. Sterling Publishing Co. 2004

Demystify the challenge of drawing the human figure by applying the tricks and methods found here. Begin by acquiring a solid foundation in the body and its components. Move on to techniques for establishing proportion, a key concern in any well-constructed drawing.

**The Cartoon Guide to Algebra** - Larry Gonick 2015-01-20

A comprehensive and comical new illustrated guide to algebra Do you think that a Cartesian plane is a luxury jetliner? Does the phrase "algebraic expression" leave you with a puzzled look? Do you believe that the Order of Operations is an Emmy-winning medical drama? Then you need The Cartoon Guide to Algebra to put you on the road to algebraic literacy. The Cartoon Guide to Algebra covers all of algebra's essentials—including rational and real numbers, the number line, variables, expressions, laws of combination, linear and quadratic equations, rates, proportion, and graphing—with clear, funny, and easy-to-understand illustrations, making algebra's many practical applications come alive. This latest math guide from New York Times bestselling author Larry Gonick is an essential supplement for students of all levels, in high school, college, and beyond. School's most dreaded subject has never been more fun.

**Bibliographie de la France, ou Journal général de l'imprimerie et de la librairie** - 1931-10