



NEW BOOKS IN MATHEMATICS - MAY 2007



Title	Author/ Editor	Year published	Call Number	Location
Algebraic topology	Hatcher, Allen.	2002	515.14 HAT	Maths Library
Biological physics : energy, information, life	Nelson, Philip Charles., Radosavljevi*c, Marko., Bromberg, Sarina.	2004	577.3 NEL	Maths Library
The cell cycle : principles of control	Morgan, David.	2006	576.35 MOR	Maths Library
Computational biology : a statistical mechanics perspective	Blossey, Ralf.	2006	519.24.578 BLO	Maths Library
Computer simulations in condensed matter systems : from materials to chemical biology	Ferrario, Mauro., Ciccotti, Giovanni., Binder, K.	2006	Processing	Maths Library
Concepts and results in chaotic dynamics : a short course	Collet, Pierre., Eckmann, Jean-Pierre.	2006	517.93 COL	Maths Library
A course in modern mathematical physics : groups, Hilbert space and differential geometry	Szekeres, Peter.	2004	530.1M SZE	Maths Library
Discrete dynamical systems	Galor, Oded.	2007	Processing	Maths Library
DNA topoisomerase protocols. Vol. I, DNA topology and enzymes	Bjornsti, Mary-Ann., Osheroff, Neil.	1999	Processing	Maths Library
DNA topology	Bates, Andrew D.	2004	Processing	Maths Library
Essential mathematical biology	Britton, N. F.	2003	Processing	Maths Library
Evolution in four dimensions : genetic, epigenetic, behavioral, and symbolic variation in the history of life	Jablonka, Eva., Lamb, Marion J., Zeligowski, Anna.	2005	575 JAB	Maths Library
Evolutionary dynamics : exploring the equations of life	Nowak, M. A.	2006	51.76 NOW	Maths Library
Evolutionary games and population dynamics	Hofbauer, Josef., Sigmund, Karl.	1998	Processing	Maths Library
Evolutionary theory : mathematical and conceptual foundations	Rice, Sean H.	2004	519.24.575 RIC	Maths Library
Gene regulation and metabolism : postgenomic computational approaches	Collado-Vides, Julio., Hofestädt, Ralf.	2002	575.164 GEN	Maths Library
A genetic switch : phage lambda revisited	Ptashne, Mark.	2004	578.812.1 PTA	Maths Library
Handbook of stochastic methods for physics, chemistry, and the natural sciences	Gardiner, C. W.	2004	Processing	Maths Library
The IMO compendium : a collection of problems suggested for the International Mathematical Olympiads, 1959-2004	Dusan Djukic	2006	51.8 INT	Maths Library
Intermolecular interactions : physical picture, computational methods, model potentials	Kaplan, Ilya G.	2006	531.3M0 KAP	Maths Library
Introduction to mixed modelling : beyond regression and analysis of variance	Galwey, Nick.	2006	519.237 GAL	Maths Library
An introduction to stochastic processes with applications to biology	Allen, Linda J. S.	2003	Processing	Maths Library
An introduction to systems biology : design principles of biological circuits	Alon, Uri.	2007	Processing	Maths Library
Introductory lectures on fluctuations of Levy processes with applications	Kyprianou, Andreas.	2006	519.217 KYP	Maths Library
Kernel smoothing	Wand, M. P., Jones, M. C.	1995	519.234 WAN	Maths Library
Lagrangian transport in geophysical jets and waves : the dynamical systems approach	Samelson, R. M., Wiggins, Stephen.	2006	531.3M0 SAM	Maths Library

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Title	Author/ Editor	Year published	Call Number	Location
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Mechanics of motor proteins and the cytoskeleton	Howard, Jonathon.	2006	576.311 HOW	Maths Library
Mechanics of the cell	Boal, David H.	2002	577.3 BOA	Maths Library
The Millennium prize problems	Carlson, James A., Jaffe, Arthur.	2006	51 MIL	Maths Library
Molecular catenanes, rotaxanes and knots : a journey through the world of molecular topology	Sauvage, Jean-Pierre., Dietrich-Buchecker, C.	1999	Processing	Maths Library
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Noise in spatially extended systems	García-Ojalvo, Jordi., Sancho, Jose M.	1999	Processing	Maths Library
Optimal control and estimation	Stengel, Robert F.	1994	517.977 STE	Maths Library
Optimal portfolios : stochastic models for optimal investment and risk management in continuous time	Korn, Ralf.	1997	519.86 KOR (Restricted loan)	Maths Library
Phase resetting in medicine and biology : stochastic modelling and data analysis	Tass, Peter A.	2007	Processing	Maths Library
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Random walks in biology	Berg, Howard C.	1993	519.218.5 BER	Maths Library
The regulation of cellular systems	Heinrich, Reinhart., Schuster, Stefan.	1996	576.34 HEI	Maths Library
Rhythms of the brain	Buzsáki, G.	2006	Processing	Maths Library
Self-organization in biological systems	Camazine, Scott.	2001	519.24.578 SEL	Maths Library
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The theory of the chemostat : dynamics of microbial competition	Smith, Hal L., Waltman, Paul.	1995	51.76 SMI	Maths Library
The three-body problem	Valtonen, M. J., Karttunen, Hannu.	2006	521.1 VAL	Maths Library
Topology	Munkres, James R.	2000	Processing	Maths Library
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Analytical methods for Markov semigroups	Lorenzi, Luca., Bertoldi, Marcello.	2007	519.217 LOR	Central Library Level 2 Physical Sciences & Engineering book collection

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Applications of abstract algebra with Maple and MATLAB	Klima, Richard E., Sigmon, Neil., Stitzinger, Ernest.	2007	512 KLI	Central Library Level 2 Physical Sciences & Engineering book collection
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C++ for mathematicians : an introduction for students and professionals	Scheinerman, Edward R.	2006	D.3.2 C SCH	Central Library Level 5 Computing collection
Calculus	Spivak, Michael.	2006	517 SPI	Central Library Level 2 Physical Sciences & Engineering book collection
Calculus of one variable	Hirst, Keith E.	2006	517 HIR	Central Library Level 2 Physical Sciences & Engineering book collection
The Cambridge dictionary of statistics	Everitt, Brian.	2006	519.2 EVE	Central Library Level 2 Physical Sciences & Engineering book collection
Complex dynamics : twenty-five years after the appearance of the Mandelbrot set; proceedings of an AMS-IMS-SIAM Joint Summer Research Conference on Complex Dynamics--Twenty-five Years after the Appearance of the Mandelbrot Set, June 13-17, 2004, Snowbird, Utah	Devaney, Robert L., Keen, Linda.	2006	517.938 AMS	Central Library Level 2 Physical Sciences & Engineering book collection
Computational methods for option pricing	Achdou, Yves., Pironneau, Olivier.	2005	519.86 ACH	Central Library Level 2 Physical Sciences & Engineering book collection
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Elements of matrix modeling and computing with MATLAB	White, R. E.	2007	512.831 WHI	Central Library Level 2 Physical Sciences & Engineering book collection
Elements of real analysis	Al-Gwaiz, M. A., Elsanousi, S. A.	2007	517.51 ALG	Central Library Level 2 Physical Sciences & Engineering book collection
Essential topology	Crossley, Martin D.	2005	515.1 CRO	Central Library Level 2 Physical Sciences & Engineering book collection
Essentials of stochastic processes	Itô, Kiyosi.	2006	519.217 ITO	Central Library Level 2 Physical Sciences & Engineering book collection
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Metric spaces	Ó Searcóid, Mícheál.	2007	515.1 OSE	Central Library Level 2 Physical Sciences & Engineering book collection
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Principles of statistical inference	Cox, D. R.	2006	519.23 COX	Central Library Level 2 Physical Sciences & Engineering book collection
Real analysis with economic applications	Ok, Efe A.	2007	519.86 OK	Central Library Level 2 Physical Sciences & Engineering book collection
Stochastic hybrid systems	Cassandras, Christos G., Lygeros, John.	2007	519.216 STO	Central Library Level 2 Physical Sciences & Engineering book collection
Stochastic partial differential equations	Chow, P. L.	2007	519.216 CHO	Central Library Level 2 Physical Sciences & Engineering book collection
Superfractals	Barnsley, M. F.	2006	514 BAR	Central Library Level 2 Physical Sciences & Engineering book collection
A theoretical introduction to numerical analysis	Ryabenkii, V. S., Tsynkov, Semyon V.	2007	519.6 RYA	Central Library Level 2 Physical Sciences & Engineering book collection
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