

MATHEMATICS

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September 2009

Algebra

- Awodey** Category Theory (2006)
Haruzo Hida Hilbert Modular Forms and Iwasawa Theory (2007)
Ramírez Alfonsín The Diophantine Frobenius Problem (2005)

Applied Mathematics

- Benzoni-Gavage & Serre** Multi-dimensional Hyperbolic Partial Differential Equations (2006)
Bisseling Parallel Scientific Computation (2004)
Braides Gamma-Convergence for Beginners (2002)
Choquet-Bruhat General Relativity and the Einstein Equations (2008)
Chu & Golub Inverse Eigenvalue Problems (2005)
Fabrizio & Morro Electromagnetism of Continuous Media (2003)
Feireisl Dynamics of Viscous Compressible Fluids (2003)
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Grinberg & Kirsch The Factorization Method for Inverse Problems (2007)
Modersitzki Numerical Methods for Image Registration (2003)
Thomas Urban Consumer Credit Models (2009)
Wavelet Methods for Elliptic Partial Differential Equations (2008)
Van Gestel & Baensens Credit Risk Management (2008)
Vazquez Smoothing and Decay Estimates for Nonlinear Parabolic Equations (2003)

Combinatorics / Graph Theory / Discrete Mathematics

- Hell & Nesetril** Graphs and Homomorphisms (2004)

- Koshy** Calatan Numbers with Applications (2008)
Niedermeier Invitation to Fixed-Parameter Algorithms (2006)

Geometry / Topology

- Boyer & Galicki** Sasakian Geometry (2007)
Corti (ed) Flips for 3-Folds and 4-Folds (2007)
Huybrechts Fourier-Mukai Transforms in Algebraic Geometry (2006)
Ranicki Algebraic and Geometric Surgery (2002)

History of Mathematics

- Beeley & Scriba** The Correspondence of John Wallis (1616 - 1703) Volume I (2003)
Beeley & Scriba The Correspondence of John Wallis (1616 - 1703) Volume II (2005)
Campbell-Kelly et al (eds) The History of Mathematical Tables (2003)
Copeland (ed) Alan Turing's Automatic Computing Engine (2005)
Flood et al Kelvin: Life, Labours and Legacy (2008)
Malcolm & Stedall John Pell (1611-1685) and His Correspondence with Sir Charles Cavendish (2004)
Stedall A Discourse Concerning Algebra (2003)
Stedall The Great Invention of Algebra (2003)

Logic / Computer Science / Mathematical Philosophy

- Bell** Set Theory (2005)
Crosilla & Schuster (eds) From Sets and Types to Topology and Analysis (2005)
Gabbay &

Maksimova	Interpolation and Definability (2005)
Kossak & Schmerl	Structure of Nonstandard Models of Peano Arithmetic (2006)
Nies	Computability and Randomness (2009)
Pym & Ritter	Reductive Logic and Proof-search (2004)
Williamson	Bayesian Nets and Causality (2004)

Mathematical Physics

Ehrenpreis	The Universality of the Radon Transform (2003)
Gerbeau et al	Mathematical methods in magneto-hydrodynamics (2006)
Vazquez	The Porous Medium Equation (2006)

Numerical Analysis

Bellen & Zennaro	Numerical Methods for Delay Differential Equations (2003)
Bini et al	Numerical Methods for Structured Markov Chains (2005)
Karniadakis & Sherwin	Spectral/hp Element Methods for Computational Fluid Dynamics (2005)
Monk	Finite Element Methods for Maxwell's Equations (2003)

Probability / Statistics

Chatterjee	Statistical Thought (2003)
Davison et al (eds)	Celebrating Statistics (2005)
Gower & Dijksterhuis	Procrustes Problems (2004)
Grimmett & McDiarmid (eds)	Combinatorics, Complexity and Chance (2007)
Lauritzen	Thiele: Pioneer in Statistics (2002)
Lyons & Qian	System Control and Rough Paths (2002)
Morters et al (eds)	Analysis and Stochastics of Growth Processes and Interface Models (2008)
Penrose	Random Geometric Graphs (2003)
Small & Wang	Numerical Methods for Nonlinear Estimating Equations (2003)
Wiuf & Andersen	Statistics and Informatics in Molecular Cancer Research (2009)

Pure Mathematics

Baird & Wood	Harmonic Morphisms Between Riemannian Manifolds (2003)
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