

These titles are suitable as student texts and course use

NEW EDITION

Mathematical Techniques

An Introduction for the Engineering, Physical, and Mathematical Sciences

FOURTH EDITION

Dominic Jordan, Mathematics Department, Keele University, UK, and **Peter Smith**, School of Computing and Mathematics, Keele University, UK

'This textbook offers an accessible and comprehensive grounding in many of the mathematical techniques required in the early stages of an engineering or science degree and also for the routine methods needed by first and second year mathematics students.'

Engineering Designer March/April 2003

'There are also significant changes in content in the opening chapter, where the foundation material has been expanded usefully. The authors do not attempt to dodge theoretical hurdles. They are careful to explain many of the less intuitive properties of functions and to highlight generalisations without becoming over abstract.'

Times Higher Education Supplement, November 2002

'Thoroughly recommended.'

Zentralblatt MATH, 993:2002

New to this edition

- Each chapter opens with a new introduction, which explains the content and aim of the chapter, and places it in context for the student.
- The whole text has been reviewed with an eye on increasing clarity.
- New self-check questions appear at the end of most sections to augment the end of chapter problems, giving students an additional opportunity to check their understanding.
- A new appendix covers one-dimensional analysis and units.
- Topics undergoing particular revision include conic sections, complex numbers, linear dependence, nonlinear differential equations, stationary values, infinite integrals, vector calculus, and difference equations.
- Mathematical concepts and theories underpin much of the physical sciences and engineering. Yet maths in a subject that many students find challenging, and even intimidating—despite it being so central to their field of study.

Mathematical Techniques provides a complete course in mathematics, covering all the essential topics with which a physical sciences or engineering student should be familiar.

By breaking the subject into small, modular chapters, the book introduces and builds on concepts in a progressive, carefully-layered way - always with an emphasis on how to use the power of maths to best effect, rather than on theoretical proofs of the maths presented.

With a huge array of end of chapter problems, and new self-check questions, the fourth edition of *Mathematical Techniques* provides extensive opportunities for students to build their confidence in the best way possible: by using the maths for themselves.

Online Resource Centre

The Online Resource Centre features the following materials for all users of the book:

- Figures from the book in electronic format, ready to download
- A downloadable solutions manual, featuring worked solutions to all end of chapter problems
- Mathematica-based programs, relating to the Projects featured at the end of the book

March 2008 | 864 pages

978-0-19-928201-2, PAPERBACK

£31.99/\$50.00

Projective Geometry

An Introduction

Ray Casse, University of Adelaide

This lucid, accessible text provides an introductory guide to projective geometry, an area of mathematics concerned with the properties and invariants of geometric figures under projection. Including numerous examples and exercises, this text is ideal for year 3 and 4 mathematics undergraduates.

August 2006 | 216 pages

978-0-19-929886-0, PAPERBACK

£24.95/\$49.50

978-0-19-929885-3, HARDBACK

£50.00/\$98.50

Optimum Experimental Designs, with SAS

Anthony Atkinson, London School of Economics, **Alexander Donev**, School of Mathematics University of Manchester, and **Randall Tobias**, SAS Institute Inc.

This text focuses on optimum experimental design using SAS, a powerful software package that provides a complete set of statistical tools including analysis of variance, regression, categorical data analysis, and multivariate analysis. SAS codes, results, plots, numerous figures and tables are provided, along with a fully supported website.

Oxford Statistical Science Series No. 34

May 2007 | 528 pages

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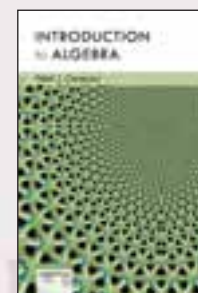
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NEW EDITION

Introduction to Algebra

SECOND EDITION

Peter J. Cameron, Professor of Mathematics, Queen Mary, University of London



This Second Edition of a classic algebra text includes updated and comprehensive introductory chapters, new material on axiom of Choice, p-groups and local rings, discussion of theory and applications, and over 300 exercises. It is an ideal introductory text for all Year 1 and 2 under-graduate students in mathematics.

December 2007 | 352 pages

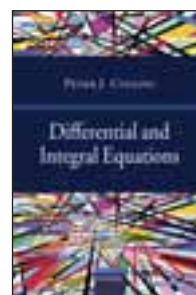
978-0-19-852793-0, PAPERBACK

£28.50/\$56.95

978-0-19-856913-8, HARDBACK

£65.00/\$130.00

Differential and Integral Equations



Peter J. Collins, St Edmund Hall, University of Oxford

This clear, accessible textbook provides an introduction to both differential and integral equations. With numerous carefully worked examples and exercises, the text is ideal for any undergraduate with basic calculus to gain a thorough grounding in 'analysis for applications'.

2006 | 392 pages

978-0-19-929789-4, PAPERBACK

£27.50/\$54.50

978-0-19-853382-5, HARDBACK

£70.00/\$139.50

Agency and the Semantic Web



Christopher Walton, Centre for Intelligent Systems and their Applications, School of Informatics, University of Edinburgh

This text looks at the construction of the Semantic Web, which will enable computers to automatically and independently consume Web-based information. With numerous programming examples, it is ideal for undergraduates and graduates in mathematics, computer science and logic and researchers interested in Multi-Agent Systems and the Semantic Web.

2006 | 272 pages

978-0-19-929248-6, HARDBACK

£29.95/\$56.50

OXFORD GRADUATE TEXTS IN MATHEMATICS

BIOGRAPHY

Fernando Rodriguez Villegas

A native of Argentina, Fernando Rodriguez Villegas came to the United States in 1986. After completing his Ph.D. in Mathematics at The Ohio State University in 1990 he was a member of the Institute for Advanced Study (1990/91) and then held a junior position at Princeton University until he joined the faculty of the University of Texas at Austin in 1997. In the interim he visited for a year the Max Planck Institut für Mathematik in Bonn (1994/95) and Harvard University (2001/02). He was a Fellow of the John Simon Guggenheim Memorial Foundation in 1995/96 and a Alfred P. Sloan Research Fellow in 1998/99.

His main research interests are in special values of L -functions, particularly questions concerning the conjectures of Bloch and Beilinson. He is a big advocate of the use of the computer as a research and learning tool in Mathematics.

**Experimental Number Theory**

Fernando Rodriguez Villegas, Department of Mathematics, University of Texas at Austin

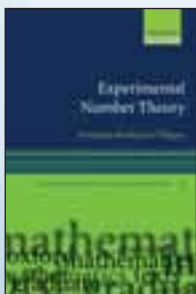
This graduate text shows how the computer can be used as a tool for research in number theory through numerical experimentation. Examples of experiments in binary quadratic forms, zeta functions of varieties over finite fields, elementary class field theory, elliptic units, modular forms, are provided along with exercises and selected solutions.

Oxford Graduate Texts in Mathematics No. 13

May 2007 | 232 pages

978-0-19-922730-3, PAPERBACK
978-0-19-852822-7, HARDBACK

£29.50/\$59.00
£60.00/\$120.00

**Quasiconformal Maps and Teichmüller Theory**

Alastair Fletcher and **Vladimir Markovic**, both at University of Warwick

Aimed at graduates with a grounding in complex analysis, this book provides an accessible introduction to the theory of quasiconformal maps and Teichmüller theory. Assuming some prior familiarity with Riemann surfaces and hyperbolic geometry, the text is illustrated throughout by examples and exercises.

Oxford Graduate Texts in Mathematics No. 11

2006 | 200 pages

978-0-19-856926-8, HARDBACK

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Introduction to Modern Analysis

Shmuel Kantorovitz, Bar-Ilan University, Israel

This new-in-paperback edition provides a comprehensive course in Modern Analysis. The first 10 chapters discuss theoretical methods in Measure Theory and Functional Analysis, and contain over 120 end of chapter exercises. The final two chapters apply theory to applications in Probability Theory and Partial Differential Equations.

Oxford Graduate Texts in Mathematics No. 8

2006 | 448 pages

978-0-19-920315-4, PAPERBACK

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From Quantum Cohomology to Integrable Systems

Martin A. Guest, Tokyo Metropolitan University

Quantum cohomology has its origins in symplectic geometry and algebraic geometry, but is deeply related to differential equations and integrable systems. This text explains in simple terms what is behind the extraordinary success of quantum cohomology, leading to its connections with many existing areas of mathematics as well as its appearance in new areas such as mirror symmetry. Aimed at graduate students in mathematics who want to learn about quantum cohomology in a broad

Oxford Graduate Texts in Mathematics No. 15

January 2008 | 304 pages

978-0-19-856599-4, HARDBACK

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NEW IN PAPERBACK

Topology: A Geometric Approach

Terry Lawson, Tulane University

'Ideas are introduced in a geometric context and development of material always maintains its excitement. Long live mathematics!'

Peter Ruane, MAA Reviews

This new-in-paperback introduction to topology emphasises a geometric approach with a focus on surfaces. A large collection of exercises and projects, and a wide range of material at different levels, make the book accessible to a variety of students. Solutions to selected exercises are included as an appendix.

Oxford Graduate Texts in Mathematics No. 9

2006 | 408 pages

978-0-19-920248-5, PAPERBACK

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NEW IN PAPERBACK

Algebraic Geometry and Arithmetic Curves

Qing Liu, Centre National de la Recherche Scientifique (CNRS), Laboratoire de Théorie des Nombres et d'Algorithmique Arithmétique, Université Bordeaux 1

Reine Ernés, Universitet Leidun

This new-in-paperback edition provides an introduction to algebraic and arithmetic geometry, starting with the theory of schemes, followed by applications to arithmetic surfaces and to the theory of reduction of algebraic curves. Clear explanations of both theory and applications, and almost 600 exercises are included in the text.

Oxford Graduate Texts in Mathematics No. 6

2006 | 600 pages

978-0-19-920249-2, PAPERBACK

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NEW IN PAPERBACK

Matroid Theory

James G. Oxley, Louisiana State University

This new in paperback version of the classic Matroid Theory by James Oxley provides a comprehensive introduction to matroid theory, covering the basics to more advanced topics. With over 500 exercises and proofs of major theorems this book is the ideal reference and class text for academics and graduate students in mathematics and computer science.

Oxford Graduate Texts in Mathematics No. 3

2006 | 544 pages

978-0-19-920250-8, PAPERBACK

£32.50/\$59.50



OXFORD GRADUATE TEXTS IN MATHEMATICS

Riemannian Holonomy Groups and Calibrated Geometry

Dominic D. Joyce, University of Oxford

This graduate level text covers an exciting and active area of research at the crossroads of several different fields in Mathematics and Physics. In Mathematics it involves Differential Geometry, Complex Algebraic Geometry, Symplectic Geometry, and in Physics String Theory and Mirror Symmetry. Drawing extensively on the author's previous work, the text explains the advanced mathematics involved simply and clearly to both mathematicians and physicists. Starting with the basic geometry of connections, curvature, complex and Kähler structures suitable for beginning graduate students, the text covers seminal results such as Yau's proof of the Calabi Conjecture, and takes the reader all the way to the frontiers of current research in calibrated geometry, giving many open problems.

Oxford Graduate Texts in Mathematics No. 12

February 2007 | 320 pages

978-0-19-921559-1, PAPERBACK

£34.50/\$70.00

978-0-19-921560-7, HARDBACK

£70.00/\$140.00

**Introduction to Stochastic Filtering Theory**

Jie Xiong, Department of Mathematics, University of Tennessee

As a topic, Stochastic Filtering Theory has progressed rapidly in recent years. For example, the (branching) particle system representation of the optimal filter has been extensively studied to seek more effective numerical approximations of the optimal filter. The stability of the filter with 'incorrect' initial state, as well as the long-term behavior of the optimal filter, has attracted the attention of many researchers, and there are some recent exciting results in singular

Oxford Graduate Texts in Mathematics No. 18

June 2008 | 224 pages

978-0-19-921970-4, HARDBACK

£45.00/\$90.00

Partial Differential Equations in General Relativity

Alan Rendall, Max Planck Institute for Gravitational Physics, Potsdam

A text that will bring together PDE theory, general relativity and astrophysics to deliver an overview of theory of partial differential equations for general relativity. The text will include numerous examples and provide a unique resource for graduate students in mathematics and physics, numerical relativity and cosmology.

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Algebraic Models in Geometry

Yves Félix, Université Catholique de Louvain, Belgium, John Oprea, Cleveland State University, and Daniel Tanré, Université de Lille

A text aimed at both geometers needing the tools of rational homotopy theory to understand and discover new results concerning various geometric subjects, and topologists who require greater breadth of knowledge about geometric applications of the algebra of homotopy theory.

Oxford Graduate Texts in Mathematics No. 17

March 2008 | 304 pages

978-0-19-920652-0, PAPERBACK

£27.50/\$60.00

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Stochastic Integration Theory

Peter Medvegyev, Budapest University of Economic Sciences

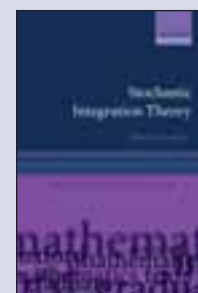
This graduate level text covers the theory of stochastic integration, an important area of Mathematics with a wide range of applications, including financial mathematics and signal processing.

Oxford Graduate Texts in Mathematics No. 14

July 2007 | 628 pages

978-0-19-921525-6, HARDBACK

£45.00/\$90.00



NEW IN PAPERBACK

Lie Groups*An Introduction Through Linear Groups*

Wulf Rossmann, Department of Mathematics and Statistics, University of Ottawa

'A nice feature of this book is a variety of problems proposed at the end of each section; this makes it especially suitable as a textbook for a first course in Lie groups, addressed to an audience of mathematicians or physicists.'

MMA Reviews, March 2007, Fabio Mainardi

This new in paperback edition provides a clear introduction to the theory of Lie groups and their representations for advanced undergraduates and graduate students in mathematics. Starting from basic undergraduate level mathematics, the text proceeds through the fundamentals of Lie theory up to topics in representation theory.

Oxford Graduate Texts in Mathematics No. 5

2006 | 280 pages

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An Introduction to Quantum Computing

Phillip Kaye, Raymond Laflamme, and Michele Mosca, all at Institute for Quantum Computing, University of Waterloo, Ontario, Canada

This concise, accessible introduction to quantum computing is aimed at advanced undergraduate and beginning graduate students from a variety of scientific backgrounds. The text is technically detailed and clearly illustrated throughout with diagrams and exercises.

2006 | 288 pages

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978-0-19-857000-4, HARDBACK

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NEW EDITION

The Chemistry Maths Book

SECOND EDITION

Erich Steiner, Formerly senior lecturer at the University of Exeter, UK

The Chemistry Maths Book provides a complete course companion suitable for students at all levels. All the most useful and important topics are covered, with numerous examples of applications in chemistry and the physical sciences.

Taking a clear, straightforward approach, the book develops ideas in a logical, coherent way, allowing students progressively to build a thorough working understanding of the subject.

December 2007 | 576 pages | 294 figures

978-0-19-920535-6, PAPERBACK

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NEW EDITION

Mathematics for Physics

Michael M. Woolfson, Department of Physics, University of York, UK, and Malcolm S. Woolfson, School of Electrical and Electronic Engineering, University of Nottingham, UK

Mathematics for Physics demonstrates the application of mathematical concepts alongside the development of the mathematical theory. This stimulating and motivating approach helps students to master the maths and see its application in the context of physics in one seamless learning experience.

2006 | 808 pages

978-0-19-928929-5, PAPERBACK

£27.99/\$54.95

BIOGRAPHY

Dominic Jordan

After leaving school with the School Certificate (now GCSE) Dominic Jordan worked for four years as a laboratory assistant, teaching himself mathematics and physics in his spare time, and qualifying for a scholarship to Manchester University and a degree in applied mathematics. A further ten years were spent in engineering research and advisory work in the public sector, followed by a post in the mathematics department of Keele University. There he taught a wide range of classes; from service courses for virtually total beginners needing a little mathematics for other degree subjects up to specialist subjects ranging from analysis, topology and differential equations to potential theory, hydrodynamics and elasticity. Besides mathematical publications, he has several historical papers detailing the of the interaction of electrical technology with electrodynamic theory through the 19th century.

Peter Smith

Peter Smith is a graduate of the University of Nottingham with a BSc in Mathematics, and a PhD in Fluid Mechanics. He joined the Mathematics Department of Keele University in 1960, and is now Emeritus Professor of Applied Mathematics at Keele. He has wide experience of teaching a variety of courses including mathematical methods, dynamics, differential equations, fluid mechanics and stochastic processes, to undergraduates at Keele who take mainly joint degree programmes. *Nonlinear Ordinary Differential Equations* developed from a final-year course given at Keele over many years. He is also co-author with Dom Jordan of *Mathematical Techniques* (also Oxford University Press), *Mechanics* (with R C Smith) and *An Introduction to Stochastic Processes* (with P W Jones), and has contributed to many mathematical publications in fluid dynamics and applied mathematical methods.

NEW EDITION

Nonlinear Ordinary Differential Equations

An Introduction for Scientists and Engineers

FOURTH EDITION

Dominic Jordan and **Peter Smith**, both at University of Keele

'...classic book...The book succeeds as an exceptionally well written text for its intended audience...No doubt one of its strongest features is over 500 problems... throughout the entire book only important physical processes are described... The new edition is greatly enhanced...I strongly recommend that you take a look. The presentation is exquisitely straightforward with numerous physically interesting examples, and it is carefully and well written'

SIAM



New to this edition

- Extended sections on Mathieu's equation
- Exercises added throughout the text
- New section on Liapunov exponents added
- Appendices extended to include trigonometric identities

This is a thoroughly updated and expanded 4th edition of this classic text. Including numerous worked examples and diagrams, further exercises have been incorporated into the text and answers are provided at the back of the book. Topics include phase plane analysis, nonlinear damping, small parameter expansions and singular perturbations, stability, Liapunov methods, Poincare sequences, homoclinic bifurcation and Liapunov exponents. Over 500 end-of-chapter problems are also included and as an additional resource fully-worked solutions to these are provided in the accompanying text *Nonlinear Ordinary Differential Equations: Problems and Solutions*, (OUP, 2007). This text covers a wide variety of applications whilst keeping mathematical prerequisites to a minimum making these an ideal resource for students and lecturers in engineering, mathematics and the sciences.

August 2007 | 544 pages

978-0-19-920825-8, PAPERBACK

£30.00/\$60.00

978-0-19-920824-1, HARDBACK

£75.00/\$140.00

Nonlinear Ordinary Differential Equations: Problems and Solutions

A Sourcebook for Scientists and Engineers

Dominic Jordan and **Peter Smith**, both at University of Keele

An ideal companion to the new 4th Edition of *Nonlinear Ordinary Differential Equations* by Jordan and Smith (OUP, 2007), this text contains over 500 problems and fully-worked solutions in nonlinear differential equations. With 272 figures and diagrams, subjects covered include phase diagrams in the plane, classification of equilibrium points, geometry of the phase plane, perturbation methods, forced oscillations, stability, Mathieu's equation, Liapunov methods, bifurcations and manifolds, homoclinic bifurcation, and Melnikov's method.

The problems are of variable difficulty; some are routine questions, others are longer and expand on concepts discussed in *Nonlinear Ordinary Differential Equations* 4th Edition, and in most cases can be adapted for coursework or self-study.

August 2007 | 600 pages

978-0-19-921203-3, PAPERBACK

£25.00/\$50.00

NEW EDITION

An Introduction to the Theory of Numbers

G. H. Hardy and **E. M. Wright**

An Introduction to the Theory of Numbers by G.H. Hardy and E. M. Wright is found on the reading list of virtually all elementary number theory courses and is widely regarded as the primary and classic text in elementary number theory. This Sixth Edition has been extensively revised and updated to guide today's students through the key milestones and developments in number theory. Updates include a chapter on one of the most important developments in number theory—modular elliptic curves and their role in the proof of Fermat's Last Theorem—a foreword by A. Wiles and comprehensively updated end-of-chapter notes detailing the key developments in number theory. Suggestions for further reading are also included for the more avid reader and the clarity of exposition is retained throughout making this textbook highly accessible to undergraduates in mathematics from the first year upwards.

June 2008 | 480 pages

978-0-19-921986-5, PAPERBACK

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978-0-19-921985-8, HARDBACK

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Applying Maths in the Chemical and Biomolecular Sciences

An Example-based Approach

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The use of mathematics is one of the most powerful tools available to a chemist. *Applying Maths in the Chemical and Biomolecular Sciences* shows why, using an extensive array of examples to demonstrate how mathematics can be applied to probe and understand chemical and biological systems.

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The application of maths has given us fresh insights into chemical and biomolecular systems, and has pushed forward the boundaries of our understanding. *Applying Maths in the Chemical and Biomolecular Sciences* is the perfect resource to help you master the skills required to study these systems, and broaden your own understanding.

March 2008 | 512 pages

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Statistical Principles and Techniques in Scientific and Social Research



Wojtek J. Krzanowski,
Exeter University

This text provides a clear discussion of the basic statistical concepts and methods frequently encountered in statistical research. Assuming only a basic level of Mathematics, and with numerous examples and illustrations, this text is a valuable resource for students and researchers in the Sciences and Social Sciences.

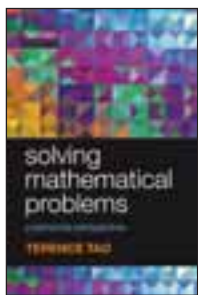
June 2007 | 256 pages

978-0-19-921309-2, PAPERBACK £34.95/\$70.00
978-0-19-921310-8, HARDBACK £70.00/\$140.00

Fields Medal Winner 2006

Solving Mathematical Problems

A Personal Perspective



Terence Tao, UCLA, Los Angeles

'There are a handful of really wonderful books that can introduce a young high-school student to the beauty of mathematics. This is definitely one of them. Besides, this book is probably going to be known as the first book written by one of the best mathematicians of the twenty-first century.'

Mihaela Poplicher, MAA Reviews

Authored by a leading name in mathematics, this engaging and clearly presented text leads the reader through the tactics involved in solving mathematical problems at the Mathematical Olympiad level. With numerous exercises and assuming only basic mathematics, this text is ideal for students of 14 years and above in pure mathematics.

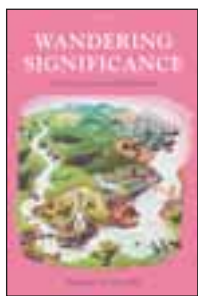
2006 | 128 pages

978-0-19-920560-8, PAPERBACK £12.99/\$24.95
978-0-19-920561-5, HARDBACK £37.50/\$74.50

NEW IN PAPERBACK

Wandering Significance

An Essay on Conceptual Behaviour



Mark Wilson, University of Pittsburgh

Mark Wilson investigates the way we get to grips with the world conceptually, and the way that philosophical problems commonly arise from this. He combines traditional philosophical concerns about human conceptual thinking with illuminating data derived

from physics and applied mathematics, cognitive psychology, and linguistics.

February 2008 | 696 pages

978-0-19-953230-8, PAPERBACK £27.50/\$55.00
978-0-19-926295-9, HARDBACK £55.00/\$99.00

Gauging What's Real

The Conceptual Foundations of Gauge Theories

Richard Healey, University of Arizona

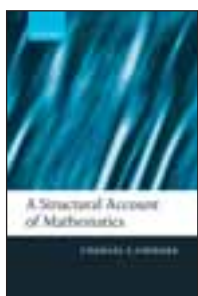
Richard Healey presents a ground-breaking study of an area of physics not previously explored by philosophy: gauge theory. Gauge theories have provided our most successful representations of the fundamental forces of nature. But how do such representations work? Healey presents a critical examination of the interpretations of gauge theory that aim to answer this question, and defends a distinctive thesis which gives us reason to believe that loops rather than points are the locations of fundamental properties.

September 2007 | 318 pages

978-0-19-928796-3, HARDBACK £40.00/\$72.00

NEW IN PAPERBACK

A Structural Account of Mathematics



Charles S. Chihara,
Department of Philosophy,
University of California,
Berkeley

Charles Chihara presents a structural view of the nature of mathematics, and uses it to explain a number of striking features of mathematics that have puzzled philosophers for centuries. In particular, this

perspective allows Chihara to show that, in order to understand how mathematical systems are applied in science, it is not necessary to assume that its theorems either presuppose mathematical objects or are even true. He also advances several new ways of undermining the Platonic view of mathematics. Anyone working in the field will find much to reward and stimulate them here.

May 2007 | 400 pages

978-0-19-922807-2, PAPERBACK £22.00/\$34.00
978-0-19-926753-8, HARDBACK £50.00/\$99.00

NEW IN PAPERBACK

Putting Logic in its Place

Formal Constraints on Rational Belief



David Christensen,
University of Vermont

Does logic help determine whether beliefs are rational? David Christensen argues that it does—but only once we understand beliefs as coming in degrees. Avoiding mathematical technicality, he explains why the degree-of-belief approach offers the key to understanding how

logical arguments work. Philosophers working on formal epistemology and logic, as well as those in related areas of cognitive psychology and decision theory, will find much to stimulate them here.

February 2007 | 200 pages

978-0-19-920431-1, PAPERBACK £16.99/\$29.95

Visual Thinking in Mathematics



Marcus Giaquinto,
University College London

Marcus Giaquinto presents an investigation into the different kinds of visual thinking involved in mathematical thought, with chapters on basic geometry, arithmetic, algebra, and more advanced mathematics. He argues that the use of mental images and physical

diagrams is rarely just a superfluous aid: it is often a means of discovery, understanding, and even proof. Drawing on work in cognitive psychology, philosophy, and mathematics, this book will appeal to anyone with an interest in mathematical thinking.

July 2007 | 304 pages

978-0-19-928594-5, HARDBACK £40.00/\$72.00

Representation and Productive Ambiguity in Mathematics and the Sciences



Emily R. Grosholz, The
Pennsylvania State University

Emily Grosholz offers an original investigation of demonstration in mathematics and science, examining how it works and why it is persuasive. Focusing on geometrical demonstration, she shows the roles that representation and ambiguity play in

mathematical discovery. She presents a wide range of case studies in mechanics, topology, algebra, logic, and chemistry, from ancient Greece to the present day, but focusing particularly on the seventeenth and twentieth centuries. Anyone interested in how mathematics works will find this a stimulating read.

August 2007 | 332 pages

978-0-19-929973-7, HARDBACK £45.00/\$63.00