

For the Avid Reader...

Mathematics Everywhere

Martin Aigner and Ehrhard Behrends, *Freie Universität Berlin, Germany*, Editors

Translated by Philip G. Spain

This series of lectures from renowned mathematicians demonstrates the prominent role of mathematics in our daily life, through science, technology and culture. The common theme throughout is mathematics' unique position as both the art of pure thought and universally applicable science. The book also includes a leisurely treatment of recent hot topics, including the solution of the Poincaré conjecture.

2010; 330 pages; Softcover; ISBN: 978-0-8218-4349-9; List US\$49; AMS members US\$39.20; Order code MBK/72

The Scientific Legacy of Poincaré

Éric Charpentier, *Université Bordeaux 1, Talence, France*, Étienne Ghys, *École Normale Supérieure de Lyon, France*, and Annick Lesne, *Université Pierre et Marie Curie, Paris, France*, Editors

Translated by Joshua Bowman

This book features presentations from 20 individual experts who each take one theme and present the approach and achievements of Henri Poincaré in that area. As a group, these presentations reflect the modernity of Poincaré's work and illustrate how he remains a constant source of inspiration for researchers. The book focuses on main ideas over detailed proofs, making it relevant to a variety of readers with an interest in mathematics.

Co-published with the London Mathematical Society beginning with Volume 4. Members of the LMS may order directly from the AMS at the AMS member price. The LMS is registered with the Charity Commissioners.

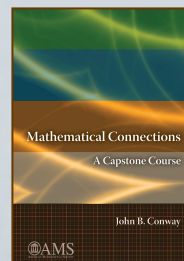
History of Mathematics, Volume 36; 2010; 391 pages; Hardcover; ISBN: 978-0-8218-4718-3; List US\$89; AMS members US\$71.20; Order code HMATH/36

Riot at the Calc Exam and Other Mathematically Bent Stories

Colin Adams, *Williams College, Williamstown, MA*

This collection of humorous mathematics stories gives the reader a sense of what it would be like to participate in a mathematical world that is far from dreary. Several of the ideas for the stories were derived from lunch-time discussions at the humorous and friendly mathematics department at Williams College. The stories resonate with both mathematicians and laypeople with an interest in mathematics.

2009; 271 pages; Softcover; ISBN: 978-0-8218-4817-3; List US\$32; AMS members US\$25.60; Order code MBK/62



Mathematical Connections

A Capstone Course

John B. Conway, *George Washington University, DC*

This book illustrates connections between various courses taken by undergraduate mathematics majors. As such it can be used as a text for a capstone course. The chapters are essentially independent, and the instructor can choose the

topics that will form the course and thus tailor the syllabus to suit the backgrounds and abilities of the students. At the end of such a course the graduating seniors should glimpse mathematics not as a series of independent courses but as something more like an integrated body of knowledge. The book has numerous exercises and examples so that the student has many opportunities to see the material illustrated and fleshed out.

2010; approximately 248 pages; Softcover; ISBN: 978-0-8218-4979-8; List US\$55; AMS members US\$44; Order code MBK/75

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