

# A SELECTION OF THE BEST-SELLING AMS TITLES IN 2009



## What's Happening in the Mathematical Sciences

Dana Mackenzie

### What's Happening in the Mathematical Sciences,

Volume 7; 2009; 127 pages; Softcover; ISBN: 978-0-8218-4478-6; List US\$19.95; AMS members US\$15.95; Order code HAPPENING/7

## Introduction to Analysis

Fifth Edition

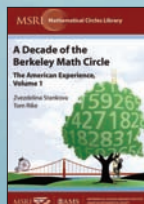
Edward D. Gaughan, *New Mexico State University, Las Cruces, NM*

**Pure and Applied Undergraduate Texts,**  
Volume 1; 1998; 240 pages; Hardcover; ISBN: 978-0-8218-4787-9; List US\$62; AMS members US\$50; Order code AMSTEXT/1

## Lectures on Quantum Mechanics for Mathematics Students

L. D. Faddeev, *Steklov Mathematical Institute, St. Petersburg, Russia,* and  
O. A. Yakubovskii, *St. Petersburg University, Russia*

**Student Mathematical Library,** Volume 47; 2009; 234 pages; Softcover; ISBN: 978-0-8218-4699-5; List US\$39; AMS members US\$31; Order code STML/47



## A Decade of the Berkeley Math Circle

### The American Experience, Volume I

Zvezdelina Stankova, *Mills College, Oakland, CA,* and *University of California, Berkeley, CA,* and Tom Rike, *Oakland High School, CA,* Editors

Titles in this series are co-published with the Mathematical Sciences Research Institute (MSRI).

**MSRI Mathematical Circles Library,** Volume 1; 2008; 326 pages; Softcover; ISBN: 978-0-8218-4683-4; List US\$49; AMS members US\$39; Order code MCL/1

## Markov Chains and Mixing Times

David A. Levin, *University of Oregon, Eugene, OR,* Yuval Peres, *Microsoft Research, Redmond, WA,* and *University of California, Berkeley, CA,* and Elizabeth L. Wilmer, *Oberlin College, OH*

2009; 371 pages; Hardcover; ISBN: 978-0-8218-4739-8; List US\$65; AMS members US\$52; Order code MBK/58

## Quantum Mechanics for Mathematicians

Leon A. Takhtajan, *Stony Brook University, NY*

**Graduate Studies in Mathematics,** Volume 95; 2008; 387 pages; Hardcover; ISBN: 978-0-8218-4630-8; List US\$69; AMS members US\$55; Order code GSM/95

## Tools of the Trade

### Introduction to Advanced Mathematics

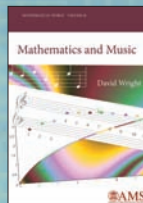
Paul J. Sally, Jr., *University of Chicago, IL*

2008; 193 pages; Hardcover; ISBN: 978-0-8218-4634-6; List US\$49; AMS members US\$39; Order code MBK/55

## Discrete Differential Geometry Integrable Structure

Alexander I. Bobenko, *Technische Universität Berlin, Germany,* and Yuri B. Suris, *Technische Universität München, Garching bei München, Germany*

**Graduate Studies in Mathematics,** Volume 98; 2008; 404 pages; Hardcover; ISBN: 978-0-8218-4700-8; List US\$69; AMS members US\$55; Order code GSM/98



## Mathematics and Music

David Wright, *Washington University, St. Louis, MO*

### Mathematical World,

Volume 28; 2009; 161 pages; Softcover; ISBN: 978-0-8218-4873-9; List US\$35; AMS members US\$28; Order code MAWRDL/28

## The Geometry of Heisenberg Groups

### With Applications in Signal Theory, Optics, Quantization, and Field Quantization

Ernst Binz and Sonja Pods, *University of Mannheim, Germany*

**Mathematical Surveys and Monographs,**  
Volume 151; 2008; 299 pages; Hardcover; ISBN: 978-0-8218-4495-3; List US\$85; AMS members US\$68; Order code SURV/151

## Pioneering Women in American Mathematics

### The Pre-1940 PhD's

Judy Green, *Marymount University, Arlington, VA,* and Jeanne LaDuke, *DePaul University, Chicago, IL*

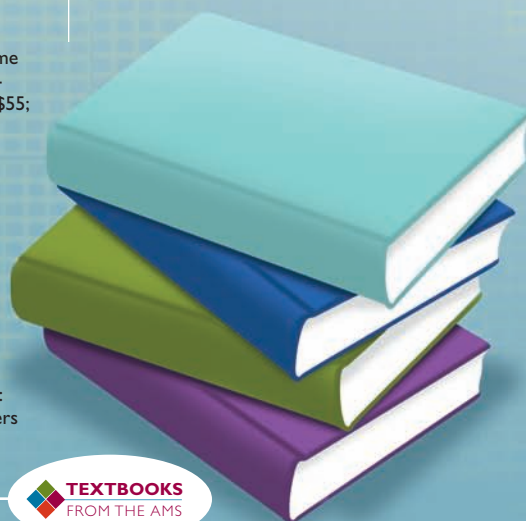
Co-published with the London Mathematical Society beginning with Volume 4. Members of the LMS may order directly from the AMS at the AMS member price. The LMS is registered with the Charity Commissioners.

**History of Mathematics,** Volume 34; 2009; 345 pages; Hardcover; ISBN: 978-0-8218-4376-5; List US\$79; AMS members US\$63; Order code HMATH/34

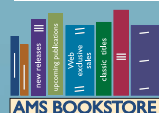
## Class Field Theory

Emil Artin, and John Tate, *University of Texas at Austin, TX*

**AMS Chelsea Publishing,** Volume 366; 2008; 192 pages; Hardcover; ISBN: 978-0-8218-4426-7; List US\$35; AMS members US\$32; Order code CHEL/366.H



**TEXTBOOKS**  
FROM THE AMS



[www.ams.org/bookstore](http://www.ams.org/bookstore)

