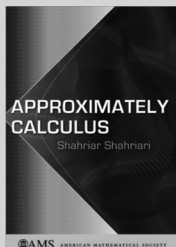# Notable textbooks from the AMS

Graduate and undergraduate level publications suitable for use as textbooks and supplementary course reading

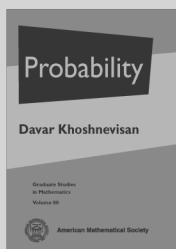◆ **UNDERGRADUATE**

Approximately Calculus

Shahriar Shahriari, *Pomona College, Claremont, CA*

The book is very well written and contains many references to articles in journals that are accessible to students…

—MAA Reviews

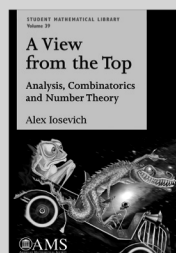2006; 292 pages; Hardcover; ISBN: 978-0-8218-3750-4; List US$49; AMS members US$39; Order code ACALC

◆◆ **UNDERGRADUATE GRADUATE**

Roots to Research
A Vertical Development of Mathematical Problems

Judith D. Sally, *Northwestern University, Evanston, IL*, and **Paul J. Sally, Jr.**, *University of Chicago, IL*

A guide to five of the most studied mathematical problems, from their elementary origins to results in current research

2007; approximately 380 pages; Hardcover; ISBN: 978-0-8218-4403-8; List US$49; AMS members US$39; Order code MBK/48

◆ **GRADUATE**

Probability

Davar Khoshnevisan, *University of Utah, Salt Lake City, UT*

A lucidly presented introduction to graduate probability theory that derives a few central themes to achieve depth in a brief format

Graduate Studies in Mathematics, Volume 80; 2007; 224 pages; Hardcover; ISBN: 978-0-8218-4215-7; List US$45; AMS members US$36; Order code GSM/80
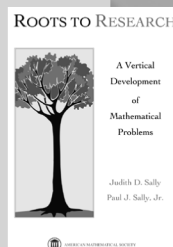
◆ **GRADUATE**

Linear Algebra in Action

Harry Dym, *Weizmann Institute of Science, Rehovot, Israel*

User-friendly information on basic and advanced techniques of linear algebra from the perspective of a working analyst

Graduate Studies in Mathematics, Volume 78; 2007; 541 pages; Hardcover; ISBN: 978-0-8218-3813-6; List US$79; AMS members US$63; Order code GSM/78

◆ **UNDERGRADUATE**

A View from the Top
Analysis, Combinatorics and Number Theory

Alex Iosevich, *University of Missouri, Columbia, MO*

A demonstration of mathematics' diversity and the interconnectedness of its many subject matters

Student Mathematical Library, Volume 39; 2007; 136 pages; Softcover; ISBN: 978-0-8218-4397-0; List US$29; AMS members US$23; Order code STML/39

◆ **UNDERGRADUATE**

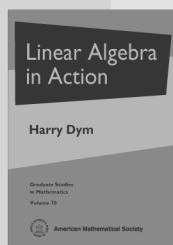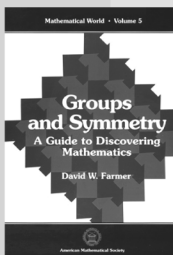## Groups and Symmetry: A Guide to Discovering Mathematics

David W. Farmer, *Bucknell University, Lewisburg, PA*

Written in a lively conversational style … entertaining, and sometimes provoking, and will doubtlessly prove useful to its intended audience.

— Mathematical Reviews

Mathematical World, Volume 5; 1996; 102 pages; Softcover; ISBN: 978-0-8218-0450-6; List US$21; AMS members US$17; Order code MAWRLD/5