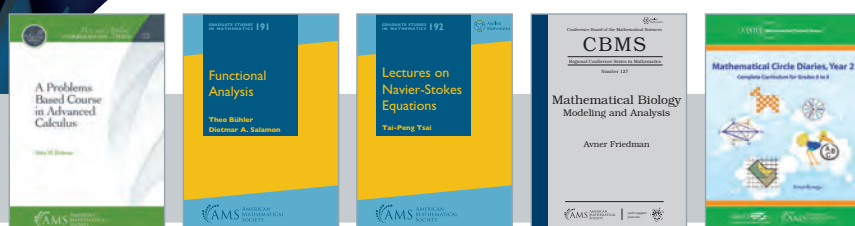


American Mathematical Society
Distribution Center

35 Monticello Place,
Pawtucket, RI 02861 USA

RECENT RELEASES

from the AMS



- = Textbook
- = Applied Mathematics
- = Available in eBook Format

A Problems Based Course in Advanced Calculus

John M. Erdman, *Portland State University, OR*

This textbook for a course in advanced calculus promotes active learning through problem solving and can be used as a base for an inquiry based class or as a guide in a traditional classroom setting where lectures are organized around the presentation of problems and solutions.

Pure and Applied Undergraduate Texts, Volume 32; 2018; 360 pages; Hardcover; ISBN: 978-1-4704-4246-0; List US\$79; AMS members US\$63.20; MAA members US\$71.10; Order code AMSTEXT/32

Functional Analysis

Theo Bühler and Dietmar A. Salamon, *ETH, Zürich, Switzerland*

This book provides a comprehensive introduction to the field of functional analysis, a central subject of mathematics with applications in many areas of geometry, analysis, and physics.

Graduate Studies in Mathematics, Volume 191; 2018; 466 pages; Hardcover; ISBN: 978-1-4704-4190-6; List US\$83; AMS members US\$66.40; MAA members US\$74.70; Order code GSM/191

Lectures on Navier-Stokes Equations

Tai-Peng Tsai, *University of British Columbia, Vancouver, Canada*

This graduate-level text on the incompressible Navier-Stokes system, which is of fundamental importance in mathematical fluid mechanics as well as in engineering applications, provides a rapid exposition on the existence, uniqueness, and regularity of its solutions, with a focus on the regularity problem.

Graduate Studies in Mathematics, Volume 192; 2018; 224 pages; Hardcover; ISBN: 978-1-4704-3096-2; List US\$83; AMS members US\$66.40; MAA members US\$74.70; Order code GSM/192

Mathematical Biology Modeling and Analysis

Avner Friedman, *Ohio State University, Columbus*

The fast growing field of mathematical biology addresses biological questions using mathematical models from areas such as dynamical systems, probability, statistics, and discrete mathematics. This book considers models that are described by systems of partial differential equations, and it focuses on modeling, rather than on numerical methods and simulations.

CBMS Regional Conference Series in Mathematics, Number 127; 2018; approximately 101 pages; Softcover; ISBN: 978-1-4704-4715-1; List US\$52; AMS members \$41.60; MAA members US\$46.80; Order code CBMS/127

Mathematical Circle Diaries, Year 2

Complete Curriculum for Grades 6 to 8
Anna Burago, *Prime Factor Math Circle, Seattle, WA*

The material in this book, distributed among twenty-nine weekly lessons, teaches readers how to think and solve problems in mathematics via detailed lectures and discussions, sets of problems with solutions, and contests and games.

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

MSRI Mathematical Circles Library, Volume 20; 2018; approximately 351 pages; Softcover; ISBN: 978-1-4704-3718-3; List US\$55; AMS members \$44; MAA members US\$49.50; Order code MCL/20

Discover more titles at
bookstore.ams.org



Are you an AMS member?
Receive **FREE SHIPPING**
on all of your orders.



facebook.com/amermathsoc
@amermathsoc
plus.google.com/+AmsOrg