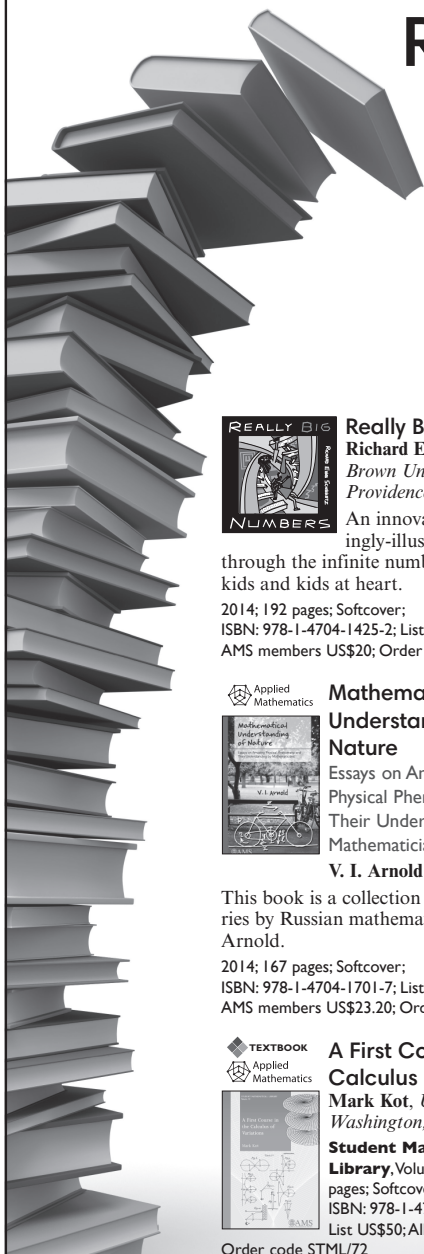


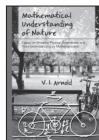
Recent Releases from the AMS



Really Big Numbers
Richard Evan Schwartz,
Brown University,
Providence, RI

An innovative and strikingly-illustrated journey through the infinite number system for kids and kids at heart.

2014; 192 pages; Softcover;
ISBN: 978-1-4704-1425-2; List US\$25;
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Mathematical Understanding of Nature

Essays on Amazing Physical Phenomena and Their Understanding by Mathematicians

V. I. Arnold

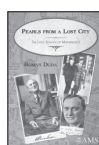
This book is a collection of short stories by Russian mathematician Vladimir Arnold.

2014; 167 pages; Softcover;
ISBN: 978-1-4704-1701-7; List US\$29;
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A First Course in the Calculus of Variations

Mark Kot, *University of Washington, Seattle, WA*
Student Mathematical Library, Volume 72; 2014; 298 pages; Softcover;
ISBN: 978-1-4704-1495-5;
List US\$50; All individuals US\$40;
Order code STML/72



Pearls from a Lost City

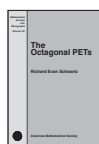
The Lvov School of Mathematics

Roman Duda, *University of Wrocław, Poland*

Translated by Daniel Davies

This chronicle of the Lvov school will appeal to anyone seeking a cultural and institutional overview of key aspects of twentieth-century Polish mathematics not described anywhere else in the extant English-language literature.

History of Mathematics, Volume 40; 2014; 231 pages; Hardcover; ISBN: 978-1-4704-1076-6; List US\$39; AMS members US\$31.20; Order code HMATH/40

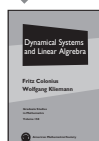


The Octagonal PETs

Richard Evan Schwartz,
Brown University,
Providence, RI

This book introduces a 1-parameter family of polygon exchange transformations, closely related to outer billiards on semi-regular octagons, and then establishes a complete renormalization scheme for the family.

Mathematical Surveys and Monographs, Volume 197; 2014; 212 pages; Hardcover; ISBN: 978-1-4704-1522-8; List US\$90; AMS members US\$72; Order code SURV/197



Dynamical Systems and Linear Algebra

Fritz Colonius, *Universität Augsburg, Germany,* and
Wolfgang Kliemann, *Iowa State University, Ames, IA*

An introduction to the interplay between linear algebra and dynamical systems in continuous time and in discrete time.

Graduate Studies in Mathematics, Volume 158; 2014; 284 pages; Hardcover; ISBN: 978-0-8218-8319-8; List US\$67; AMS members US\$53.60; Order code GSM/158