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NEW RELEASES

from the AMS



Lectures on the Fourier Transform and Its Applications



Brad G. Osgood, *Stanford University, CA*

This book is derived from lecture notes for a course on Fourier analysis for engineering and science students at the advanced undergraduate or beginning graduate level.

Pure and Applied Undergraduate Texts, Volume 33; 2019; approximately 702 pages; Hardcover; ISBN: 978-1-4704-4191-3; List US\$115; AMS members US\$92; MAA members US\$103.50; Order code AMSTEXT/33

Algebraic Statistics



Seth Sullivant, *North Carolina State University, Raleigh*

This text uses tools from algebraic geometry, commutative algebra, combinatorics, and their computational sides to address problems in statistics and its applications.

Graduate Studies in Mathematics, Volume 194; 2018; 490 pages; Hardcover; ISBN: 978-1-4704-3517-2; List US\$83; AMS members US\$66.40; MAA members US\$74.70; Order code GSM/194

Figuring Fibers

Carolyn Yackel, *Mercer University, Macon, GA*, Chief Editor, and sarah-marie belcastro, *MathILy, Mathematical Staircase, Inc., Holyoke, MA*, and *Smith College, Northampton, MA*, Assistant Editor

This book transports the reader on a math-

ematical exploration of fiber arts that is rigorous enough to capture the hearts of mathematicians.

2018; 232 pages; Hardcover; ISBN: 978-1-4704-2931-7; List US\$40; AMS members US\$32; MAA members US\$36; Order code MBK/117

Limitless Minds

Interviews with Mathematicians

Anthony Bonato, *Ryerson University, Toronto, ON, Canada*

Written in an accessible style and enriched by dozens of images, this book offers a rare insight into the minds of mathematicians, provided in their own words.

2018; 155 pages; Softcover; ISBN: 978-1-4704-4791-5; List US\$29; AMS members US\$23.20; MAA members US\$26.10; Order code MBK/118

Math Circle by the Bay

Topics for Grades 1–5

Laura Givental, *United Math Circles Foundation, Berkeley and Stanford, CA*, Maria Nemirovskaya, *University of Oregon, Eugene*, and Ilya Zakharevich, *United Math Circles Foundation, Berkeley and Stanford, CA*

This book is based on selected topics that the authors taught in math circles for elementary school students, including combinatorics, Fibonacci numbers, Pascal's triangle, and the notion of area, among others.

Titles in this series are co-published with the Mathematical

Sciences Research Institute (MSRI).

MSRI Mathematical Circles Library, Volume 21; 2018; 169 pages; Softcover; ISBN: 978-1-4704-4785-4; List US\$25; AMS members US\$20; MAA members US\$22.50; Order code MCL/21

An Introduction to Ramsey Theory

Fast Functions, Infinity, and Metamathematics

Matthew Katz, *Pennsylvania State University, University Park*, and Jan Reimann, *Pennsylvania State University, University Park*

Written in an informal style with few prerequisites, this book takes the reader on a journey through Ramsey theory, from graph theory and combinatorics to set theory to logic and metamathematics.

Student Mathematical Library, Volume 87; 2018; 207 pages; Softcover; ISBN: 978-1-4704-4290-3; List US\$52; All individuals US\$41.60; Order code STML/87

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