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Fascinating Card and Number Tricks and How They Work

Ehrhard Behrends, Freie Universität, Berlin, Germany
Translated by David Kramer

In this rich, colorfully illustrated volume, Ehrhard Behrends presents around 30 card tricks and number games with an interesting mathematical foundation.

2019; 208 pages; Softcover; ISBN: 978-1-4704-4866-0; List US$30; AMS members US$24; MAA members US$27; Order code MBK/122

**Invitation to Real Analysis**

Cesar E. Silva, Williams College, Williamstown, MA

This introduction to real analysis is aimed at students who have completed the calculus sequence and preferably one other course, such as linear algebra.


**An Introduction to Game-Theoretic Modelling**

Mike Mesterton-Gibbons, Florida State University, Tallahassee

This book introduces game theory and its applications from an applied mathematician’s perspective, systematically developing tools and concepts for game-theoretic modelling in the life and social sciences.

*Pure and Applied Undergraduate Texts,* Volume 37; 2019; approximately 398 pages; Hardcover; ISBN: 978-1-4704-5029-8; List US$82; AMS members US$65.60; MAA members US$73.80; Order code AMSTEXT/37

**Applied Stochastic Analysis**

Weinan E, Princeton University, NJ, Tiejun Li, Peking University, Beijing, China, and Eric Vanden-Eijnden, Courant Institute of Mathematical Sciences, New York, NY

Presenting the basic mathematical foundations of stochastic analysis as well as some important practical tools and applications, this textbook is for advanced undergraduate students and beginning graduate students in applied mathematics.

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**Hilbert’s Tenth Problem**

M. Ram Murty, Queen’s University, Kingston, ON, Canada, and Brandon Fodden, Carleton University, Ottawa, ON, Canada

This book gives a complete solution to Hilbert’s tenth problem using elementary number theory and rudimentary logic.

*Student Mathematical Library,* Volume 88; 2019; 239 pages; Softcover; ISBN: 978-1-4704-4399-3; List US$55; All individuals US$44; Order code STML/88

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