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With best wishes,

Ria Frauenfeld

Commercial Performance Marketing

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The most recent methods in various branches of lattice path and enumerative combinatorics along with relevant applications are nicely grouped together and represented in this research contributed volume. 


Jamshid al-Kāši’s Miftāḥ al-Ḥisab (Key to Arithmetic) was largely unknown to researchers until the mid-20th century, and has not been translated to English until now. This book begins a multi-volume set that finally brings al-Kāši’s groundbreaking textbook to English audiences in its entirety. 


This edited volume features a curated selection of research in algebraic combinatorics that explores the boundaries of current knowledge in the field. Focusing on topics experiencing broad interest and rapid growth, invited contributors offer survey articles on representation theory, symmetric functions, invariant theory, and the combinatorics of Young tableaux. 


Featuring contributions from experts in mathematical biology and biomedical research, this edited volume covers a diverse set of topics on mathematical methods and applications in the biosciences. 


This book seeks to explore the history of descriptive geometry in relation to its circulation in the 19th century, which had been favoured by the transfers of the model of the École Polytechnique to other countries. The book also covers the diffusion of its teaching from higher instruction to technical and secondary teaching. 


This volume contains 17 mathematical works by Johann Bernoulli, written between 1680 – when he was only 13 years old and studied mathematics with his brother Jacob – and 1732, when he was 65 years old. Five of the works are handwritten manuscripts, and another three belong to the Anekdota, which he published in the fourth volume of his Opera Omnia. 

J. Koszul, Y. M. Zou

Introduction to Symplectic Geometry


A. Kolachana, K. Mahesh, K. Ramasubramanian (Eds.)

Studies in Indian Mathematics and Astronomy

Selected Articles of Kripa Shankar Shukla

This volume presents a collection of some of the seminal articles of Professor K. S. Shukla who made immense contributions to our understanding of the history and development of mathematics and astronomy in India. It consists of six parts: Part I constitutes introductory articles which give an overview of the life and work of Prof. [...] 2019. XVII, 734 p. 196 illus., 26 illus. in color. (Sources and Studies in the History of Mathematics and Physical Sciences) Hardcover $139.99 ISBN 978-981-13-7325-1
This book covers the works of Bhāskara, in particular, his monumental treatise on astronomy, the Siddhāntaśiromaṇi, his astronomical handbook, the Karaṇakutūhala, and his two mathematical treatises, the Līlavatī and the Bījagaṇita, on arithmetic and algebra, respectively. [...] 2019. XXXVI, 444 p. (Sources and Studies in the History of Mathematics and Physical Sciences) Hardcover $119.99 ISBN 978-981-13-6033-6

Scholars and Scholarship in Late Babylonian Uruk

This volume explores how scholars wrote, preserved, circulated, and read knowledge in ancient Mesopotamia. It offers an exercise in micro-history that provides a case study for attempting to understand the relationship between scholars and scholarship during this time of great innovation. The papers in this collection focus on tablets written in the city of Uruk in southern Babylonia. [...] 2019. X, 274 p. 24 illus. (Why the Sciences of the Ancient World Matter, Volume 2) Hardcover $109.99 ISBN 978-3-030-05302-4

Combinatorics

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This book presents a systematic treatment of generalized Orlicz spaces (also known as Musielak–Orlicz spaces) with minimal assumptions on the generating Φ-function. It introduces and develops a technique centered on the use of equivalent Φ-functions. Results from classical functional analysis are presented in detail and new material is included on harmonic analysis. [...] 

2019. X, 169 p. 10 illus. (Lecture Notes in Mathematics, Volume 2236) Softcover

$49.99
ISBN 978-3-030-15099-0

Due June 2019

R. Kycia, M. Ulan, E. Schneider (Eds.)

Nonlinear PDEs, Their Geometry, and Applications

Proceedings of the Wisła 18 Summer School

This volume presents lectures given at the Summer School Wisła 18: Nonlinear PDEs, Their Geometry, and Applications, which took place from August 20 - 30th, 2018 in Wisła, Poland, and was organized by the Baltic Institute of Mathematics. The lectures in the first part of this volume were delivered by experts in nonlinear differential equations and their applications to physics. [...] 

2019. XVII, 279 p. 21 illus., 17 illus. in color. (Tutorials, Schools, and Workshops in the Mathematical Sciences) Softcover

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N. Lerner

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E. Liflyand

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