

Springer

1st  
edition1st ed. 2018, IV, 434 p. 231  
illus., 8 illus. in color.**Printed book**

Softcover

**Printed book**

Softcover

ISBN 978-3-319-74907-5

£ 54,99 | CHF 77,00 | 64,99 € |  
71,49 € (A) | 69,54 € (D)

Available

**Discount group**

Science (SC)

**Product category**

Contributed volume

**Series**

Lecture Notes in Mathematics

**Mathematics : Dynamical Systems and Ergodic Theory**

Ferenczi, S., Kuřaga-Przymus, J., Lemańczyk, M. (Eds.), Institut de Mathématiques de Marseille, Marseille, France

# Ergodic Theory and Dynamical Systems in their Interactions with Arithmetics and Combinatorics

CIRM Jean-Morlet Chair, Fall 2016

- Features a unique, exhaustive list of results and methods concerning the Sarnak and Chowla conjectures
- Includes a course in analytic number theory accessible to undergraduate students
- Offers a clear presentation of the interaction of modern dynamics with number theory and combinatorics

This book concentrates on the modern theory of dynamical systems and its interactions with number theory and combinatorics. The greater part begins with a course in analytic number theory and focuses on its links with ergodic theory, presenting an exhaustive account of recent research on Sarnak's conjecture on Möbius disjointness. Selected topics involving more traditional connections between number theory and dynamics are also presented, including equidistribution, homogenous dynamics, and Lagrange and Markov spectra. In addition, some dynamical and number theoretical aspects of aperiodic order, some algebraic systems, and a recent development concerning tame systems are described.

**Order online at [springer.com/booksellers](https://www.springer.com/booksellers)****Springer Nature Customer Service Center GmbH**

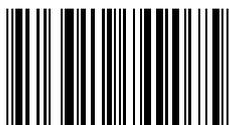
Customer Service

Tiergartenstrasse 15-17

69121 Heidelberg

Germany

T: +49 (0)6221 345-4301

[row-booksellers@springernature.com](mailto:row-booksellers@springernature.com)

ISBN 978-3-319-74907-5 / BIC: PBWR / SPRINGER NATURE: SCM1204X

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**