



Springer

2nd
edition2nd ed. 2003, XXXVIII, 844
p.**Printed book**

Hardcover

Printed book

Hardcover

ISBN 978-0-387-00177-7

£ 99,99 | CHF 130,00 | 109,99 € |
120,99 € (A) | 117,69 € (D)

Available

Discount group

Standard (0)

Product category

Graduate/advanced undergraduate textbook

Series

Texts in Applied Mathematics

Other renditions

Softcover

ISBN 978-1-4419-1807-9

Softcover

ISBN 978-1-4757-7904-2

Mathematics : Dynamical Systems and Ergodic Theory

Wiggins, Stephen

Introduction to Applied Nonlinear Dynamical Systems and Chaos

Mathematics is playing an ever more important role in the physical and biological sciences, provoking a blurring of boundaries between scientific disciplines and a resurgence of interest in the modern as well as the classical techniques of applied mathematics. This renewal of interest, both in - search and teaching, has led to the establishment of the series Texts in Applied Mathematics (TAM). The development of new courses is a natural consequence of a high level of excitement on the research frontier as newer techniques, such as numerical and symbolic computer systems, dynamical systems, and chaos, mix with and reinforce the traditional methods of applied mathematics. Thus, the purpose of this textbook series is to meet the current and future needs of these advances and to encourage the teaching of new courses. TAM will publish textbooks suitable for use in advanced undergraduate and beginning graduate courses, and will complement the Applied Mathematical Sciences (AMS) series, which will focus on advanced textbooks and research-level monographs. Pasadena, California J.E. Marsden Providence, Rhode Island L. Sirovich College Park, Maryland S.S. Antman Preface to the Second Edition This edition contains a significant amount of new material. The main reason for this is that the subject of applied dynamical systems theory has seen explosive growth and expansion throughout the 1990s. Consequently, a student needs a much larger toolbox today in order to begin research on significant problems.

Order online at 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

ISBN 978-0-387-00177-7 / 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**