
**Birkhäuser**

 1st  
edition

2011, VIII, 296 p.

**Printed book**

Hardcover

**Printed book**

Hardcover

ISBN 978-3-0348-0121-8

\$ 149,99

Available

**Discount group**

Professional Books (2)

**Product category**

Contributed volume

**Series**

Mathematics and Biosciences in Interaction

**Other renditions**

Softcover

ISBN 978-3-0348-0334-2

Softcover

ISBN 978-3-0348-0123-2

**Mathematics : Mathematical and Computational Biology**

Chalub, Fabio A. C. C., Rodrigues, José Francisco (Eds.)

# The Mathematics of Darwin's Legacy

- General introduction and state-of-the-art texts organized by topics
- All authors are leading experts in their fields
- Includes more than 50 illustrative pictures

The book presents a general overview of mathematical models in the context of evolution. It covers a wide range of topics such as population genetics, population dynamics, speciation, adaptive dynamics, game theory, kin selection, and stochastic processes. Written by leading scientists working at the interface between evolutionary biology and mathematics the book is the outcome of a conference commemorating Charles Darwin's 200th birthday, and the 150th anniversary of the first publication of his book "On the origin of species". Its chapters vary in format between general introductory and state-of-the-art research texts in biomathematics, in this way addressing both students and researchers in mathematics, biology and related fields. Mathematicians looking for new problems as well as biologists looking for rigorous description of population dynamics will find this book fundamental.

**Order online at [springer.com/booksellers](http://springer.com/booksellers)**
**Springer Nature Customer Service Center LLC**

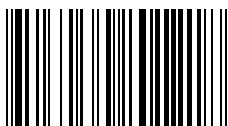
233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

[customerservice@springernature.com](mailto:customerservice@springernature.com)


ISBN 978-3-0348-0121-8 / BIC: PDE / SPRINGER NATURE: SCM31000

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**