

Springer

1st
edition2008, XXI, 405 p. With CD-
ROM.**Printed book**

Hardcover

Book with CD-ROM

Hardcover

ISBN 978-3-540-25522-2

\$ 269,00

Available

Discount group

Professional Books (2)

Product category

Monograph

Series

Lecture Notes in Earth Sciences

Other renditions

Softcover

ISBN 978-3-642-44830-0

Earth Sciences : Earth Sciences (general)

Bons, P., Koehn, D., Jessell, M.W. (Eds.)

Microdynamics Simulation

- Is unique in that it introduces modelling of microstructures in a hands on manner

Microstructures in rocks contain a wealth of information on the history of rock bodies, metamorphic and tectonic processes and the mechanical and rheological properties of the crust and mantle. The book deals with the numerical simulation of such microstructures in rocks. It starts with a general introduction of existing methods and techniques for optical and electron microscopic analysis and measurement of microstructure. The main part of the book contains a number of examples of numerical modelling of processes and microstructures in rocks, using the software package "ELLE". The book is targeted to a readership from the Earth sciences, from the level of MSc students and upwards. Each method presented will have some suggestions for further reading, referring to textbooks and scientific literature. The book will be a useful resource for lectures and numerical practicals on rheology, microscopy, petrology, structural geology, etc. It should be the "starting package" for students and researchers of the earth science community interested in numerical modelling of microstructures and anyone intending to work with ELLE.

[Order online at springer.com/book sellers](http://springer.com/book sellers)

Springer Nature Customer Service Center LLC

233 Spring Street

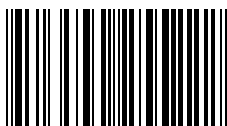
New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

customerservice@springernature.com



ISBN 978-3-540-25522-2 / BIC: RB / SPRINGER NATURE: SCG00002

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**