



1st ed. 2016, XIII, 612 p. 123 illus., 9 illus. in color.

### Gedrucktes Buch

Hardcover

89,99 € | £79.99 | \$109.99  
[1]96,29 € (D) | 98,99 € (A) | CHF  
106,50

Softcover

89,99 € | £81.00 | \$119.00  
[1]96,29 € (D) | 98,99 € (A) | CHF  
101,60

### eBook

74,96 € | £63.99 | \$89.00  
[2]74,96 € (D) | 74,96 € (A) | CHF  
81,00

Erhältlich bei Ihrer Bibliothek oder  
[springer.com/shop](http://springer.com/shop)

### MyCopy [3]

Printed eBook for just  
€ | \$ 24.99  
[springer.com/mycopy](http://springer.com/mycopy)

Jörg Rothe (Hrsg.)

# Economics and Computation

An Introduction to Algorithmic Game Theory, Computational Social Choice, and Fair Division

Reihe: Springer Texts in Business and Economics

- First textbook on computational social choice
- Connects economic and computational dimensions of collective decision-making
- Explores the interrelations between algorithmic game theory, computational social choice and fair division
- First book focusing on the algorithmic and complexity-theoretic aspects of fair division

This textbook connects three vibrant areas at the interface between economics and computer science: algorithmic game theory, computational social choice, and fair division. It thus offers an interdisciplinary treatment of collective decision making from an economic and computational perspective. Part I introduces to algorithmic game theory, focusing on both noncooperative and cooperative game theory. Part II introduces to computational social choice, focusing on both preference aggregation (voting) and judgment aggregation. Part III introduces to fair division, focusing on the division of both a single divisible resource ("cake-cutting") and multiple indivisible and unshareable resources ("multiagent resource allocation"). In all these parts, much weight is given to the algorithmic and complexity-theoretic aspects of problems arising in these areas, and the interconnections between the three parts are of central interest.

Erhältlich bei Ihrem Buchhändler oder – Springer Nature Customer Service Center GmbH, Haberstrasse 7, 69126 Heidelberg, Germany / Call: + 49 (0) 6221-345-4301 / Fax: +49 (0)6221-345-4229 / Email: [customerservice@springer.com](mailto:customerservice@springer.com) / Web: [springer.com](http://springer.com)

[1] € (D) sind gebundene Ladenpreise in Deutschland und enthalten 7% MwSt; € (A) sind gebundene Ladenpreise in Österreich und enthalten 10% MwSt. CHF und die mit [2] gekennzeichneten Preise für elektronische Produkte sind unverbindliche Preisempfehlungen und enthalten die landesübliche MwSt. Programm- und Preisänderungen (auch bei Irrtümern) vorbehalten. Es gelten unsere Allgemeinen Liefer- und Zahlungsbedingungen. Springer-Verlag GmbH, Handelsregistersitz: Berlin-Charlottenburg, HR B 91022. Geschäftsführung: Haank, Mos, Hendriks

