



Foundations of Non-cooperative Game Theory

By Chairman of the Department of Economics and Finance Klaus Ritzberger

Oxford University Press, United Kingdom, 2002. Paperback. Book Condition: New. New.. 229 x 155 mm. Language: English . Brand New Book ***** Print on Demand *****.This textbook brings together the main developments in non-cooperative game theory from the 1950s to the present. After opening with a number of lively examples, Ritzberger starts by considering the theory of decisions under uncertainty. He then turns to representations of games, first introducing extensive forms and then normal forms. The remainder of the text is devoted to solution theory, going from basic solution concepts like rationalizable strategies, Nash equilibrium, and correlated equilibrium to refinements of Nash equilibrium. Foundations of Non-Cooperative Game Theory covers all material relevant for a first graduate course in game theory, plus some issues only touched on by other texts. In particular, this book contains an in-depth discussion of perfect recall and related concepts, including a proof of Kuhn's theorem. It provides an introduction to the Thompson transformations for extensive forms, and a section on the reflection of extensive form structures in normal form games. In addition to the standard material on basic solution concepts, strategy subsets closed under rational behavior are covered, as well as fixed sets under the...

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