Game and Economic Theory

Selected Contributions in Honor of Robert J. Aumann

Edited by
Sergiu Hart and Abraham Neyman

Ann Arbor

THE UNIVERSITY OF MICHIGAN PRESS

Contents

	Introduction Sergiu Hart and Abraham Neyman	1
Chapter	·	
	Part I. Strategic Equilibrium	
1	Persistent Equilibria in Strategic Games Ehud Kalai and Dov Samet	31
2	On the Strategic Stability of Equilibria Elon Kohlberg and Jean-François Mertens	47
3	Rational Learning Leads to Nash Equilibrium Ehud Kalai and Ehud Lehrer	83
	Part II. Repeated Games and Stochastic Games	
4	The Value of Two-Person Zero-Sum Repeated Games with Lack of Information on Both Sides Jean-François Mertens and Shmuel Zamir	113
5	Nonzero-Sum Two-Person Repeated Games with Incomplete Information Sergiu Hart	139
6	Correlated Equilibria in Two-Player Repeated Games with Nonobservable Actions Ehud Lehrer	177
7	The Asymptotic Theory of Stochastic Games Truman Bewley and Elon Kohlberg	203
8	Stochastic Games Jean-François Mertens and Abraham Neyman	215
	Part III. Cooperative Solutions	
9	The Nucleolus of a Characteristic Function Game David Schmeidler	231
10	A Nondiagonal Value on a Reproducing Space Yair Tauman	239
11	Renewal Theory for Sampling without Replacement	247

vi	Contents

12	An Axiomatization of the Core of Cooperative Games without Side Payments Bezalel Peleg	265			
Part IV. Large Economies					
13	Oligopoly in Markets with a Continuum of Traders Benyamin Shitovitz	279			
14	Equivalence Theorem for the Core of a Duopolistic Market Game with Concave Utilities Benyamin Shitovitz	315			
15	Values of Non-Differentiable Markets with a Continuum of Traders Sergiu Hart	321			
16	Demand Compatible Equitable Cost Sharing Prices Leonard J. Mirman and Yair Tauman	335			
	Part V. Information, Knowledge, and Utility				
17	Formulation of Bayesian Analysis for Games with Incomplete Information Jean-François Mertens and Shmuel Zamir	355			
18	Approximating Common Knowledge with Common Beliefs Dov Monderer and Dov Samet	385			
19	Subjective Probability and Expected Utility without Additivity David Schmeidler	407			
Part VI. Other Contributions					
20	Consistent Voting Systems Bezalel Peleg	427			
21	Parametrized Integration of Multifunctions with Applications to Control and Optimization Zvi Artstein	437			
22	Discrete and Continuous Bang-Bang and Facial Spaces or: Look for the Extreme Points Zvi Artstein	449			
	Contributors	463			