## Contributions to Operations Research and Economics: The Twentieth Anniversary of CORE

edited by Bernard Cornet and Henry Tulkens

The MIT Press Cambridge, Massachusetts London, England

## **Contents**

	List of Contributors	ix
	Introduction	хi
I	GAME THEORY AND MATHEMATICAL ECONOMICS	1
	INTRODUCTION TO PART I	3
1	CORE as a Macrocosm of Game-Theoretic Research, 1967–1987 Robert J. Aumann	5
	Comments: What Is Bob Aumann Trying to Accomplish? Claude d'Aspremont	16
	Comments Jean-François Mertens	18
2	Information, Incentives, and General Equilibrium Paul Champsaur	23
	Comments Robin Boadway	45
	Comments Peter J. Hammond	50
3	CORE and Equilibria of a Large Economy Werner Hildenbrand	59
4	Existence of Equilibria in Economies with Increasing Returns Bernard Cornet	79
5	First-Best Allocation of Resources with Nonconvexities in Production Roger Guesnerie	99
6	Equilibrium without Market Clearing John Roberts	145

vi Contents

II	OPERATIONS RESEARCH	159
	INTRODUCTION TO PART II	161
7	Twenty Years of Mathematical Programming Thomas L. Magnanti	163
	Comments Etienne Loute	228
	Comments: Mathematical Programming in the Next Twenty Years Alexander H. G. Rinnooy Kan	232
8	On the Relationship between the Search Directions in the Affine and Projective Variants of Karmarkar's Linear Programming Algorithm John E. Mitchell and Michael J. Todd	237
9	Two-Terminal Steiner Tree Polyhedra Michael O. Ball, Wei-Guo Liu, and William R. Pulleyblank	251
10	Solving Arborescent Linear Programs with Nested Decomposition Olivier Janssens de Bisthoven and Etienne Loute	285
Ш	ECONOMETRICS	315
	INTRODUCTION TO PART III	317
11	Twenty Years After: Econometrics, 1966–1986 Adrian Pagan	319
	Comments Michel Mouchart	383
	Comments Jean Waelbroeck	388
12	Recent Developments in the Theory of Encompassing David F. Hendry and Jean-François Richard	393

13	Toward a Levels Version of the Rotterdam and Related Demand Systems	441
	Anton P. Barten	
14	Bayesian Specification Tests	467
	Jean-Pierre Florens and Michel Mouchart	
15	Estimating Average Excess Supply on Goods and Labor	
	Markets from a Cross Section of Business Survey Reports	491
	Peter Kooiman	
16	The Structure of Dynamic Macroeconometric Models	521
	Pierre Malgrange	
	Index	551