

C O N T E N T S

INTRODUCTION	1
1 <u>ADDITIVE SYMMETRICAL COMPLETE (ASC-) DEMAND FUNCTIONS</u>	6
1.1 DEFINITION, SIMPLE CONCLUSIONS	7
1.2 MARKET MODELS LEADING TO ASC-DEMAND FUNCTIONS	19
1.2.1 Market model I	19
1.2.2 Market model II	24
1.2.3 Market model III	35
1.3 LINEAR ASC-DEMAND FUNCTIONS	43
1.3.1 Determination of a General Form	43
1.3.2 Linear ASC-Demand Functions in our Market models	55
2 <u>NASH EQUILIBRIA FOR ASC-DEMAND FUNCTIONS</u>	56
2.1 INTRODUCTION TO THE PROBLEM	58
2.2 EQUILIBRIUM PRICE VECTORS (EPVs) FOR LINEAR ASC- DEMAND FUNCTIONS	60
2.2.1 Calculation of the Equilibrium Price Vectors	60
2.2.2 Structure of the EPVs if all Firms Have the Same Marginal Costs	65
2.2.3 Changes of the EPV after Changes of the Oli- gopoly Distribution	71
2.3 STRUCTURE OF THE EPVs FOR ARBITRARY ASC-DEMAND FUNCTIONS	80
2.4 CONCLUSIONS FOR THE MARKET MODELS I AND II	102

3	<u>AN OLIGOPOLY MODEL WITH VARIABLE PRODUCTION METHODS</u>	108
3.1	EXPLANATION OF THE GENERAL MODEL	110
3.2	AN EXAMPLE	114
3.2.1	Cost- and Demand Functions of the Example	114
3.2.2	Calculation of the Equilibrium Vector	116
3.2.3	Structure of the Equilibrium Vector	122
	<u>APPENDIX</u>	132
A.1	S-CONVEXITY	132
A.2	ON THE CONTINUITY OF CORRESPONDENCES	140
A.3	THE IMPLICIT FUNCTION THEOREM	148
	REFERENCES	149