Contents

P_{i}	reface	?	i,	
1	Intr 1.1 1.2	Oduction Origins Propagative	 1	
		Prospectus	3	
2	Game Theory: Normal-Form Games			
	2.1	Introduction	5	
	2.2	Nash equilibrium	8	
	2.3	A refinement of Nash: perfection	13	
	2.4	A coarsening of Nash: rationalizability	18	
3	The	Standard Market Structures	25	
	3.1	Introduction	25	
	3.2	Monopoly	25	
	3.3	Competition	28	
	3.4	Oligopoly	31	
	3.5	Dominant firms and fringes	33	
4	Oligopoly and Some Non-Cournot Equilibria			
	4.1	Introduction	36 36	
	4.2	Rationalizability and oligopoly	37	
	4.3	Bertrand equilibrium and the Edgeworth indeterminacy	40	
5	Nonlinear Pricing			
	5.1	Introduction	44 44	
	5.2	Two-part tariffs	45	
	5.3	Monopoly and efficiency	48	
	5.4	Nonlinear pricing	51	
	5.5	Tie-ins, clusters and interlinkage	60	

vi Contents

6	Æ		66
	6.1	Introduction	66
	6.2	Quality hierarchies	67
	6.3	-8 sussinates and complements	69
	6.4	Quality, status and market disequilibria	71
7		ability	80
	7.1	Introduction	80
	7.2 7.3	Durability under monopoly and competition	80
		Durable goods: renting and selling	88
8	Loc	ation, Brands and Advertising	93
	8.1 8.2	Introduction	93
		Location	93
	8.4	Brand proliferation	96
		Advertising	99
9	Gan	te Theory: Extensive-Form Games	105
	9.1 9.2	Introduction	105
	9.2	The idea of perfection in extensive games	107
	9.3 9.4	Repeated games and trigger strategies	112
	9.5	Simple strategy profiles	117
10		Critiques, refinements and extensions	120
10	Olige	opoly in the Extensive Form: Two Examples	124
	10.1	Introduction The true City	124
		The two fishermen Towards collusion	124
		rowards collusion	
			129
11	Quai	ntities and Prices	129 133
11	Qua 11.1	ntities and Prices Introduction	
11	Quai 11.1 11.2	Itities and Prices Introduction First quantity, then price	133
11	Quai 11.1 11.2 11.3	Introduction First quantity, then price Quick-response oligopoly	133 133
	Quai 11.1 11.2 11.3 11.4	Introduction First quantity, then price Quick-response oligopoly Supply functions equilibria	133 133 134
11	Quai 11.1 11.2 11.3 11.4 Collu	Introduction First quantity, then price Quick-response oligopoly Supply functions equilibria sion	133 133 134 137
	Quai 11.1 11.2 11.3 11.4 Collu 12.1	Introduction First quantity, then price Quick-response oligopoly Supply functions equilibria sion Introduction	133 133 134 137 141
	Quai 11.1 11.2 11.3 11.4 Collu 12.1 12.2	Introduction First quantity, then price Quick-response oligopoly Supply functions equilibria sion Introduction Some legal issues	133 133 134 137 141
	Quai 11.1 11.2 11.3 11.4 Collu 12.1 12.2 12.3	Introduction First quantity, then price Quick-response oligopoly Supply functions equilibria sion Introduction Some legal issues Infinitely repeated oligopoly	133 133 134 137 141 149
	Quai 11.1 11.2 11.3 11.4 Collu 12.1 12.2 12.3 12.4	Introduction First quantity, then price Quick-response oligopoly Supply functions equilibria sion Introduction Some legal issues Infinitely repeated oligopoly Finitely repeated oligopoly	133 133 134 137 141 149 149 150 152
12	Quai 11.1 11.2 11.3 11.4 Collu 12.1 12.2 12.3 12.4 12.5	Introduction First quantity, then price Quick-response oligopoly Supply functions equilibria sion Introduction Some legal issues Infinitely repeated oligopoly Finitely repeated oligopoly Extensions	133 133 134 137 141 149 149 150
	Quar 11.1 11.2 11.3 11.4 Collu 12.1 12.2 12.3 12.4 12.5 Entry	Introduction First quantity, then price Quick-response oligopoly Supply functions equilibria sion Introduction Some legal issues Infinitely repeated oligopoly Finitely repeated oligopoly Extensions Deterrence	133 133 134 137 141 149 149 150 152
12	Quai 11.1 11.2 11.3 11.4 Collu 12.1 12.2 12.3 12.4 12.5 Entry 13.1	Introduction First quantity, then price Quick-response oligopoly Supply functions equilibria sion Introduction Some legal issues Infinitely repeated oligopoly Finitely repeated oligopoly Extensions Deterrence Introduction	133 134 137 141 149 149 150 152 156 159
12	Quai 11.1 11.2 11.3 11.4 Collu 12.1 12.2 12.3 12.4 12.5 Entry 13.1 13.2	Introduction First quantity, then price Quick-response oligopoly Supply functions equilibria sion Introduction Some legal issues Infinitely repeated oligopoly Finitely repeated oligopoly Extensions Deterrence Introduction Capacity, investment and deterrence	133 134 137 141 149 149 150 152 156 159
12	Quai 11.1 11.2 11.3 11.4 Collu 12.1 12.2 12.3 12.4 12.5 Entry 13.1	Introduction First quantity, then price Quick-response oligopoly Supply functions equilibria sion Introduction Some legal issues Infinitely repeated oligopoly Finitely repeated oligopoly Extensions Deterrence Introduction	133 134 137 141 149 149 150 152 156 159 163 163

			Contents	vii
14	Managerial Incentives			188
	14.1			
	14.2	The incentive equilibrium		188
		Extensions and critiques		189 193
15	5 Switching Costs			196
	15.1	Introduction		196
	15.2	A formal model		197
	15.3	Switching costs and rural credit		202
	15.4			204
16	Government Intervention			208
	16.1	Introduction		208
	16.2	Mixed oligopoly		209
	16.3	Partly state-owned firms and entry barriers		212
	16.4	Pigouvian interventions		215
	16.5	The state and the law: some open issues		216
References				219
Sub	ject In	dex		230
Aut	hor In	dex		234