Contents

1 **Economic Property Rights Dilemma** 1
- 1.1 Example 1
  - 1.1.1 Partnership Problem 1
  - 1.1.2 Solution 2
  - 1.1.3 Dilemma 3
- 1.2 Solution Concepts 5
  - 1.2.1 Chance 6
  - 1.2.2 Coincidence of Interests 7
  - 1.2.3 Coordination of Partnership 8
  - 1.2.4 Preestablished Harmony of Dominance 9
  - 1.2.5 Exclusive Economic Rationality 10
  - 1.2.6 Common Rationality 11
- 1.3 Policy Concepts of Appropriation 12
  - 1.3.1 Private Forms 13
  - 1.3.2 Common Forms 16
  - 1.3.3 Mixed Forms 20

2 **Definition of Enterprises** 23
- 2.1 Basic Elements of Formalization 23
  - 2.1.1 Agreement and Coagreement 24
  - 2.1.2 Enterprise 32
- 2.2 Arguments and Coarguments 38
  - 2.2.1 Simple Forms 39
  - 2.2.2 Advance Argumentation 48
  - 2.2.3 Advance Coargumentation 59
- 2.3 E.p.r.s Gains and Welfare Structures 62
  - 2.3.1 E.p.r.s Gains 63
  - 2.3.2 Welfare Structure 64

3 **Opening Structures** 71
3.1 Simple Opening 72
3.1.1 Definition and Main Properties 72
3.1.2 Some Simple Open Forms 81
3.1.3 Simple Opening and Welfare 83
3.2 Dual Opening Structures 86
3.2.1 Dual Openings 87
3.2.2 Some Properties of Dual Openings 90
3.3 Advanced Openings 91
3.3.1 Confirmation of Openings 91
3.3.2 Some New Simple Forms 95
3.4 Quasiinstitutions 100
3.4.1 Definitions 100
3.4.2 Some Properties 103

4 **Representation Theory** 107
4.1 Clubs, Policies and Leadership 109
4.1.1 Definitions and General Construction 109
4.1.2 Simple Examples 112
4.1.3 Leading Club 119
4.2 Clubs with Transfers 129
4.2.1 A Few Introductory Notes 129
4.2.2 Definition and General Constructions 131
4.2.3 On Tool Kit for Transfers 133
4.2.4 Some Basic Properties 136
4.2.5 Aggregation with Transfers 140
4.3 Duals and E.p.r.s Redistributions 143
4.3.1 Introduction 143
4.3.2 Definitions and General Construction 145
4.3.3 Redistributing Flows 152
4.3.4 Generalized Duality 157

5 **Reconstruction Theory** 167
5.1 Reconstruction in Simple Institutions 167
5.1.1 Basic Forms 168
5.1.2 Reconstruction Theorems 171
5.1.3 Some Generalizations 176
5.1.4 Dual Approach 177
5.2 Reconstruction by Transfers 178
5.2.1 Forms Incorporating Transfers 179
5.2.2 Generalized Theorems 181
5.3 Restructuring 191
5.3.1 Introduction 191
5.3.2 Restructuring Theorems 192
5.3.3 Standards in a Club and Restructuring 199

5.3.4 Dual Restructuring 202
5.3.5 Generalization of Restructuring 205
5.3.6 Examples 208

References 215

Index 219

Symbol Key 225

Acronyms 229