

## CONTENTS

Preface .....	ix
V.F. HENDRICKS, K.F. JØRGENSEN AND S.A. PEDERSEN / Introduction .....	1
1. Agent and System .....	1
2. Active Agenthood .....	6
3. Multiple Active Agents .....	9
4. Multi-Modalities .....	11
5. Conclusion .....	13
Notes .....	13
References .....	14
W. LENZEN / Knowledge, Belief, and Subjective Probability: Outlines of a Unified System of Epistemic/Doxastic Logic .....	17
1. The Logic of Conviction .....	17
2. The Logic of Knowledge .....	21
3. The Logic of ('Weak') Belief .....	24
4. The Pragmatics of Epistemic Sentences .....	26
Notes .....	30
References .....	30
J. HINTIKKA / A Second Generation Epistemic Logic and Its General Significance .....	33
1. The Prima Facie Conundrum of Epistemic Logic .....	33
2. The Promises .....	37
3. Promises Fulfilled by Means of the Notion of Independence ...	46
References .....	54
H. ROTT / Economics and Economy in the Theory of Belief Revision .	57
1. Introduction .....	57
2. What is Economics? .....	58
3. Acting Economically, A Second View: "Informational Economy" .....	60
4. Economic and Economical Considerations in Belief Revision Theory .....	61
5. Informational Economy with Respect to Beliefs: What has been done? .....	65
6. Informational Economy with Respect to Beliefs: What should be done? .....	68

7. Conservatism with Respect to Belief-Revision Guiding Structures: What has been done? .....	69
8. Conservatism with Respect to Belief-Revision Guiding Structures: What should be done? .....	71
9. Rational Choices and Logical Properties: What has been done? .....	74
10. Rational Choices and Logical Properties: What should be done? .....	76
11. Conclusion .....	79
Notes .....	80
References .....	83
R. FAGIN, J.Y. HALPERN, Y. MOSES AND M.Y. VARDI / Common Knowledge Revisited .....	87
1. Introduction .....	87
2. Two Puzzles .....	88
3. Common Knowledge and Uncertainty .....	90
4. Simultaneous Events .....	91
5. Temporal Imprecision .....	95
6. The Granularity of Time .....	96
7. Approximations of Common Knowledge .....	98
8. Summary .....	101
Notes .....	102
References .....	103
H.P. VAN DITMARSCH, W. VAN DER HOEK AND B.P. KOOI / Con- current Dynamic Epistemic Logic .....	105
1. Introduction .....	105
2. Language and Semantics .....	107
3. Proof System .....	119
4. Completeness .....	130
5. Applications .....	136
6. Conclusions .....	140
References .....	141
J.F. SOWA / Laws, Facts, and Contexts: Foundations of Multimodal Reasoning .....	145
1. Replacing Possible Worlds with Contexts .....	145
2. Dunn's Laws and Facts .....	147
3. Contexts by Peirce and McCarthy .....	149
4. Tarski's Metalevels .....	155
5. Nested Graph Models .....	157
6. Beyond Kripke Semantics .....	165

7. The Intended Interpretation .....	174
References .....	183
R. WÓJCICKI / Referential Semantics .....	185
1. The General Idea of Referential Semantics .....	185
2. Language .....	186
3. Components of Referential Semantics .....	187
4. Substitutions .....	187
5. Some Notation .....	188
6. The Definition Completed .....	188
7. A Few Examples .....	189
8. Four Principles of Logical Analysis .....	190
9. Logical Consequences .....	192
10. A Few Comments on the Peculiar Status of the Identity Predicate .....	192
11. General Properties of Consequence Operations .....	193
12. The Truth Preserving Consequence Operations .....	194
13. The Problem of Adequacy .....	194
14. Self-Extensional Consequence Operations .....	195
15. Adequacy Theorem .....	195
16. The Need for Referential Semantics .....	195
17. Notes and References .....	197
References .....	198
Index .....	199



<http://www.springer.com/978-1-4020-1747-6>

Knowledge Contributors

Hendricks, V.F.; Jørgensen, K.F.; Pedersen, S.A. (Eds.)

2003, IX, 203 p., Hardcover

ISBN: 978-1-4020-1747-6