

INDEX

- accessibility relation, 2, 3, 35, 107, 145, 147
- action, 8, 105
 - language, 8, 105
 - precondition of, 134
- action algebra, 116
- active agenthood, 1, 6
- adequacy, 194
- agent, 1
 - action, 8, 105
 - active, 1, 7, 11
 - introspection, 4
 - multiple active (s), 9, 92, 105
 - rationality, 7
- AGM, 7, 61, 105
 - contraction, 8, 63
 - expansion, 8
 - revision, 8, 63
- agreement, 94
- AI, 6, 33, 87, 105
- Aizerman's axiom, 76
- Alchourrón, C.E., 7, 60, 105
- Alur, R., 106
- amnesic, 66
- Aristotle, 40, 43, 57, 147
- Aumann, R.J., 7
- axiom, 4
 - of .2, 4
 - of .3, 4
 - of consistency, 4
 - of deductive cogency, 4
 - of self-awareness (*KK*-thesis, positive introspection), 4
 - of true (strong) belief, 4
 - of truth (veridicality), 4
 - of wisdom (negative introspection), 4
- Baltag, A., 7
- belief, 2, 6, 17, 24, 57
 - rational, 19
 - weak, 24
- belief revision theory, 60
- belief-revision guiding structure, 62
- Bentham, J.v., 7
- Boh, I., 1
- Boutilier, C., 65
- Broome, J., 59
- Bull, R., 4

- c-conservatism, 63
- card games, 107
- Carnap, R., 176, 198
- Chernoff property, 78
- choice, 59
- clock, 94, 95
- Cluedo, 107
- coherence, 68
- common knowledge
 - and uncertainty, 91
- communication, 17, 26, 90, 196
- completeness, 130
- computer science, 6, 105
- conceptual graph (CG), 146, 165
- concurrent PDL, 119
- consequence operation, 193
 - self-extensional, 195
- conservatism, 60, 69, 80
- context, 12, 145, 149
 - classification, 178
 - McCarthy, 154
- conviction, 6, 17
 - logic of, 17
- coordinated attack, 88, 91
- coordination
 - ε -, 99
 - eventual, 100
 - perfect, 93
- copresence, 94
- cross-identification, 37

- De Finetti, B., 19
- deduction, 45
- desideratum, 40
- discourse representation theory, 153
- distributed system, 87, 95–97
- doxastic alternative, 2
- doxastic logic, 8, 13, 24
- doxastic operator, 2
- Dunn semantics, 145
 - facts, 147
 - laws, 147
- Dunn, J.M., 12, 145
- dynamic doxastic logic, 8

- economics, 8, 58, 60
- economy, 8, 60
- Edgeworth, F.Y., 58
- elenchus*, 42
- endoporeutic, 169
- Engdahl, E., 40
- ensemble, 93
 - ε -coordinated, 99
 - nontrivial, 95
 - perfectly coordinated, 93
 - trivial, 95
- entailment-thesis, 29
- entrenchment, 66, 70
- epistemic alternative, 2, 35
- epistemic axioms, 4
 - .2, 4
 - .3, 4
 - .4, 4
 - 4, 4
 - 5, 4
 - $B_{\exists}A \rightarrow \neg B_{\exists}\neg A$, 6
 - D, 4
 - K, 4
 - T, 4
- epistemic capacities, 10, 106
- epistemic logic, 13, 21, 33, 87, 105
 - applications, 136
 - dynamic, 119
 - first-generation, 34, 40
 - language, 1, 107
 - second-generation, 49
 - semantics, 2, 107
 - syntax, 1, 107
- epistemic operator, 2, 34, 38, 109
- epistemic systems, 5
 - relative strength, 5
 - S4.4**, 5
 - S4**, 5, 23, 148
 - S4.2**, 5, 23
 - S4.3**, 5
 - S5**, 5, 23, 148
 - T**, 5, 148
- epistemo-logic, 33

- epistemology, 6
 event, 93
 holds, 93
 local, 93
 eventual common knowledge, 101
 existential graph (EG), 146, 149
- Fagin, R., 1, 5, 10
 Firstness (actuality), 177
 Fleck, L., 197
- game theory, 7, 47, 53, 87, 105
 game-theoretical semantics, 47, 170
 Gärdenfors, P., 7, 60
 Gazdar, G., 27
 Gettier, E., 57
 Gochet, P., 13
 granularity (of time), 96
 Gray, J., 88
 Gribomont, P., 13
 Grice, P., 6, 26
 Grove, A., 67
- Halpern, J., 1, 5, 10
 'Hangman-Paradox', 30
 Hansson, S.O., 67
 Hausman, D.M., 58
 Heim, I., 170
 Hendricks, V.F., 1, 23
 Hintikka, J., 1, 5, 39, 170, 192,
 198
- identity, 35, 192
 ignorance, 4
 incommensurability thesis, 196
 independence, 46
 independence-friendly (IF), 47
 information, 27, 35, 61, 105
 intellectual megalomania, 34
 intension, 176
 interpreted system, 93
 interrogation, 45
 interrogative inquiry, 43
- justification, 21, 35, 57
- Kamp, H., 153
 Karttunen, L., 170
 Kelly, K.T., 13
 knowledge, 2, 12, 17, 57, 87, 105,
 195
 action, 107
 common, 9, 87, 107
 common (approximations), 98
 common (concurrent), 101
 common (continual), 101
 common (paradox of), 10, 87
 common (probabilistic), 101
 common (timestamped), 101
 de dicto, 50
 de re, 39, 50
 everyone knows, 9
 knowledge*, 21
 true justified belief, 57
 wh-, 37
- Knuuttila, S., 1
 Kooi, B., 11
 Kraus, K., 36
 Kripke, S., 3, 33, 36, 145, 193
 New Theory of Reference, 33
 Kripke-model, 3
 Kutschera, F.v., 5, 21
- Lamarre, P., 23
 learn operator, 112
 Leibniz, G.W.F., 22
 Lemmon, E.J., 4
 Lenzen, W., 1, 5
 Lewis, D., 87, 174
 Lindenbaum, A., 191
 Lindström, S., 8, 64
 logic, 57, 190
 logical consequence, 192
 Luce, R.D., 79
- Makinson, D., 7, 60
 McCarthy, J., 12, 149
 meaning, 17
 metalanguage, 155
 metalevel, 149

- metametalinguage, 155
- Meyer, J.-J.CH, 1
- minimal change, 60
- modal operator epistemology, 13
- modal operators, 107
- model set, 145, 147, 192
- Montague, R., 175
- Moore's Principle, 23
- Moses, Y., 5, 10
- Moss, L.S., 7
- muddy children puzzle, 88, 96, 138
- multi-modal reasoning, 179
- multi-modalities, 1, 11, 95, 145

- nested graph model (NGM), 12, 146, 157
 - mapping other models, 160

- object language, 155
- order
 - pre-, 59
 - weak, 59

- partitioning, 2, 34
- Peirce, C.S., 12, 146, 149
- philosophy, 87, 105
- Plato, 21, 57
- Plaza, J.A., 106
- Pogorzelski, W.A., 198
- possible point, 185
- possible worlds, 2, 34, 145, 185
 - and contexts, 174
 - and reference points, 185
 - ersatz, 145, 174
 - semantics, 2, 37, 107, 185
- postulates for choices, 75
- postulates for revisions, 75
- pragmatic implication, 27
- pragmatic inconsistency, 30
- pragmatics, 6, 17, 26, 35
 - main principle of, 28
- preferences, 59
- proof system, 119, 125
- propositional attitude, 22

- psychology, 6, 87

- 'quantifying into', 49
- Quine, W.V., 68

- Rabinowicz, W., 8
- Raiffa, H., 79
- reference community, 185
- reference point, 12, 187
- referential semantics, 187
 - interpretation, 188
 - models, 187
 - reference points, 187
 - referential matrix, 187
 - substitution, 187
 - truth-evaluations, 187
- rigid designator, 193
- Rijke, M.d., 8
- Robinson, A., 198
- Roger Aykroyd, 37
- Rosenberg, A., 59
- Rott, H., 8

- sample space, 34
- scenario, 35
- Schlesinger, G.N., 1
- Scott, D., 13, 146
- Secondness (modality), 177
- Segerberg, K., 4, 8
- Sen's Property, 78
- Sherlock Holmes, 44
- Shoham, Y.O., 23
- Simon, H., 58
- simultaneity, 91, 99
- small worlds, 34
- Socrates, 46, 53
- Solecki, S., 7
- soundness, 127
- Sowa, J.F., 12
- Stalnaker, R., 7
- state event, 93
- structurality, 197
- subjective necessity, 20
- subjective probability, 6, 24

- 'Surprise-Examination', 30
Symons, J., 39
- Tarski, A., 155, 191
temporal imprecision, 95–97
theory change, 68
theory choice, 68
theory of rational choice, 59, 76
Thirdness (intentionality), 177
Thomason, R., 146
time, 96, 97
- Ullian, J.S., 68
uncertainty, 90
utility, 59
utility function, 59
- van der Hoek, W., 1, 5, 106
van Ditmarsch, H., 11, 107
Vardi, M., 5, 10
von Wright, G., 1
- Wójcicki, R., 12
wh-constructions, 37
wh-questions, 41
Wittgenstein, L., 17, 36, 53
Wooldridge, M.J., 106
Wright, G. von, 33



<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