



Master Index—Volumes 121–130

(For the sake of simplicity and uniformity, all names beginning with articles or prepositions are listed as if written as single words.)

- Abdelbar, A.M., S.T. Hedetniemi and S.M. Hedetniemi
 The complexity of approximating MAPs for belief networks
 with bounded probabilities (Research Note) **124** (2000) 283–288
- Bailey-Kellogg, C. and F. Zhao
 Influence-based model decomposition for reasoning about
 spatially distributed physical systems **130** (2001) 125–166
- Baral, C., V. Kreinovich and R. Trejo
 Computational complexity of planning and approximate plan-
 ning in the presence of incompleteness **122** (2000) 241–267
- Baral, C., see Son, T.C. **125** (2001) 19– 91
- Beck, J.C. and M.S. Fox
 Constraint-directed techniques for scheduling alternative ac-
 tivities **121** (2000) 211–250
- Becker, A. and D. Geiger
 A sufficiently fast algorithm for finding close to optimal
 clique trees **125** (2001) 3– 17
- Benferhat, S., A. Saffiotti and P. Smets
 Belief functions and default reasoning **122** (2000) 1– 69
- Berzins, M.
 Review of *The Computational Beauty of Nature* by Gary
 William Flake (Book Review) **128** (2001) 237–238
- Besnard, P. and A. Hunter
 A logic-based theory of deductive arguments **128** (2001) 203–235
- Biswas, G., see Mosterman, P.J. **121** (2000) 171–209
- Bode, M., O. Freyd, J. Fischer, F.-J. Niedernostheide and H.-J.
 Schulze
 Hybrid hardware for a highly parallel search in the context of
 learning classifiers **130** (2001) 75– 84

- Bonet, B. and H. Geffner
 Planning as heuristic search **129** (2001) 5–33
- Boutilier, C., R. Dearden and M. Goldszmidt
 Stochastic dynamic programming with factored representations **121** (2000) 49–107
- Brafman, R.I. and M. Tenenholz
 A near-optimal polynomial time algorithm for learning in certain classes of stochastic games **121** (2000) 31–47
- Broda, K., see d'Avila Garcez, A.S. **125** (2001) 155–207
- Burgard, W., see Thrun, S. **128** (2001) 99–141
- Carr, C.
The MIT Encyclopedia of the Cognitive Sciences, edited by Robert Wilson and Frank Keil (Book Review) **130** (2001) 183–184
- Cayrol, M., P. Régnier and V. Vidal
 Least commitment in Graphplan **130** (2001) 85–118
- Chakrabarti, P.P., see Dasgupta, P. **127** (2001) 137–162
- Chella, A., M. Frixione and S. Gaglio
 Understanding dynamic scenes **123** (2000) 89–132
- Choi, K.M.F., J.H.M. Lee and P.J. Stuckey
 A Lagrangian reconstruction of GENET **123** (2000) 1–39
- Chow, T.W.S., see Leung, C.-T. **127** (2001) 169–197
- Cohn, A.G., see Isli, A. **122** (2000) 137–187
- Darwiche, A.
 Recursive conditioning **126** (2001) 5–41
- Dasgupta, P., P.P. Chakrabarti, J. Kumar Deka and S. Sankaranarayanan
 Min-max Computation Tree Logic **127** (2001) 137–162
- d'Avila Garcez, A.S., K. Broda and D.M. Gabbay
 Symbolic knowledge extraction from trained neural networks:
 A sound approach **125** (2001) 155–207
- Dean, T., see Givan, R. **122** (2000) 71–109
- Dearden, R., see Boutilier, C. **121** (2000) 49–107
- Dechter, R. and Y. El Fattah
 Topological parameters for time-space tradeoff **125** (2001) 93–118
- Dechter, R., see Kask, K. **129** (2001) 91–131
- Dechter, R., see Zhang, W. **129** (2001) 1–4
- De Giacomo, G., Y. Lespérance and H.J. Levesque
ConGolog, a concurrent programming language based on the situation calculus **121** (2000) 109–169
- Delgrande, J.P. and T. Schaub
 Expressing preferences in default logic **123** (2000) 41–87
- Dellaert, F., see Thrun, S. **128** (2001) 99–141

- Dix, J., S. Kraus and V.S. Subrahmanian
Temporal agent programs **127** (2001) 87–135
- Donini, F.M. and F. Massacci
EXPTIME tableaux for *ALC* **124** (2000) 87–138
- Dorndorf, U., E. Pesch and T. Phan-Huy
Constraint propagation techniques for the disjunctive scheduling problem **122** (2000) 189–240
- Dorr, B.J.
Review of Natural Language Processing in R.A. Wilson and F.C. Keil (Eds.), *The MIT Encyclopedia of the Cognitive Sciences* (Book Review) **130** (2001) 185–189
- du Boulay, Benedict
N.J. Nilsson, *Artificial Intelligence: A New Synthesis*; T. Dean, J. Allen and Y. Aloimonos, *Artificial Intelligence: Theory and Practice*; D. Poole, A. Mackworth and R. Goebel, *Computational Intelligence: A Logical Approach*; S. Russell and P. Norvig, *Artificial Intelligence: A Modern Approach* (Book Review) **125** (2001) 227–232
- Dufourd, J.-F., see Essert-Villard, C. **124** (2000) 139–159
- Edelkamp, S., see Korf, R.E. **129** (2001) 199–218
- Eiter, T. and T. Lukasiewicz
Default reasoning from conditional knowledge bases: Complexity and tractable cases **124** (2000) 169–241
- El Fattah, Y., see Dechter, R. **125** (2001) 93–118
- Essert-Villard, C., P. Schreck and J.-F. Dufourd
Sketch-based pruning of a solution space within a formal geometric constraint solver **124** (2000) 139–159
- Etxeberria, R., see Inza, I. **123** (2000) 157–184
- Fenner, T.I., see Levene, M. **130** (2001) 1–26
- Finkelstein, L. and S. Markovitch
Optimal schedules for monitoring anytime algorithms **126** (2001) 63–108
- Fischer, J., see Bode, M. **130** (2001) 75–84
- Flake, G.W.
G.W. Flake, *The Computational Beauty of Nature* (Response) **128** (2001) 243–244
- Forrest, S., see Moses, M. **128** (2001) 239–242
- Fox, D., see Thrun, S. **128** (2001) 99–141
- Fox, M.S., see Beck, J.C. **121** (2000) 211–250
- Freyd, O., see Bode, M. **130** (2001) 75–84
- Frixione, M., see Chella, A. **123** (2000) 89–132
- Gabbay, D.M., see d'Avila Garcez, A.S. **125** (2001) 155–207
- Gaglio, S., see Chella, A. **123** (2000) 89–132
- Gao, Q., M. Li and P. Vitényi
Applying MDL to learn best model granularity **121** (2000) 1–29

- Geffner, H., see Bonet, B. **129** (2001) 5– 33
- Geiger, D., see Becker, A. **125** (2001) 3– 17
- Gent, I., K. Stergiou and T. Walsh
Decomposable constraints **123** (2000) 133–156
- Ghidini, C. and F. Giunchiglia
Local Models Semantics, or contextual reasoning = locality +
compatibility **127** (2001) 221–259
- Giunchiglia, F., see Ghidini, C. **127** (2001) 221–259
- Givan, R., S. Leach and T. Dean
Bounded-parameter Markov decision processes **122** (2000) 71–109
- Gobet, F., see Lane, P.C.R. **127** (2001) 261–267
- Goldszmidt, M., see Boutillier, C. **121** (2000) 49–107
- Gomes, C.P. and B. Selman
Algorithm portfolios **126** (2001) 43– 62
- Gottlob, G., N. Leone and F. Scarcello
A comparison of structural CSP decomposition methods **124** (2000) 243–282
- Hansen, E.A. and S. Zilberstein
Monitoring and control of anytime algorithms: A dynamic
programming approach **126** (2001) 139–157
- Hansen, E.A. and S. Zilberstein
LAO*: A heuristic search algorithm that finds solutions with
loops **129** (2001) 35– 62
- Hausser, R.
Database semantics for natural language **130** (2001) 27– 74
- He, J. and X. Yao
Drift analysis and average time complexity of evolutionary
algorithms **127** (2001) 57– 85
- Hedetniemi, S.M., see Abdelbar, A.M. **124** (2000) 283–288
- Hedetniemi, S.T., see Abdelbar, A.M. **124** (2000) 283–288
- Hernández-Orallo, J.
Truth from Trash. How Learning Makes Sense by Chris
Thornton (Book Review) **124** (2000) 161–165
- Horty, J.F. and M.E. Pollack
Evaluating new options in the context of existing plans **127** (2001) 199–220
- Horváth, T. and G. Turán
Learning logic programs with structured background knowl-
edge **128** (2001) 31– 97
- Horvitz, E.
Principles and applications of continual computation **126** (2001) 159–196
- Horvitz, E. and S. Zilberstein
Computational tradeoffs under bounded resources **126** (2001) 1– 4
- Hunter, A., see Besnard, P. **128** (2001) 203–235
- Husbands, P.
Cognitive Science: Real or Imaginary?: Review of *The MIT*

- Encyclopedia of The Cognitive Sciences* edited by Robert A. Wilson and Frank C. Keil (Book Review) **130** (2001) 191–194
- Iida, H., see Seo, M. **129** (2001) 253–277
- Inoue, K., see Sakama, C. **123** (2000) 185–222
- Inza, I., P. Larrañaga, R. Etxeberria and B. Sierra
Feature Subset Selection by Bayesian network-based optimization **123** (2000) 157–184
- Isli, A. and A.G. Cohn
A new approach to cyclic ordering of 2D orientations using ternary relation algebras **122** (2000) 137–187
- Jiménez, P. and C. Torras
An efficient algorithm for searching implicit AND/OR graphs with cycles **124** (2000) 1–30
- Junghanns, A. and J. Schaeffer
Sokoban: Enhancing general single-agent search methods using domain knowledge **129** (2001) 219–251
- Kask, K. and R. Dechter
A general scheme for automatic generation of search heuristics from specification dependencies **129** (2001) 91–131
- Keil, F.C.
The scope of the cognitive sciences: Reply to 6 reviews of *The MIT Encyclopedia of the Cognitive Sciences* (Response) **130** (2001) 217–221
- Koenig, S.
Minimax real-time heuristic search **129** (2001) 165–197
- Korf, R.E., M. Reid and S. Edelkamp
Time complexity of iterative-deepening-A* **129** (2001) 199–218
- Korf, R.E., see Zhang, W. **129** (2001) 1–4
- Koubarakis, M. and S. Skiadopoulos
Querying temporal and spatial constraint networks in PTIME **123** (2000) 223–263
- Kraus, S., see Dix, J. **127** (2001) 87–135
- Kreinovich, V., see Baral, C. **122** (2000) 241–267
- Kumar Deka, J., see Dasgupta, P. **127** (2001) 137–162
- Lakoff, G.
As advertised: A review of *The MIT Encyclopedia of the Cognitive Sciences* (Book Review) **130** (2001) 195–209
- Lane, P.C.R. and F. Gobet
Simple environments fail as illustrations of intelligence: A review of R. Pfeifer and C. Scheier, *Understanding Intelligence* **127** (2001) 261–267
- Larrañaga, P., see Inza, I. **123** (2000) 157–184
- Laurentini, A.
Topological recognition of polyhedral objects from multiple views **127** (2001) 31–55

- Leach, S., see Givan, R. **122** (2000) 71–109
- Lee, J.H.M., see Choi, K.M.F. **123** (2000) 1–39
- Leitgeb, H.
 Nonmonotonic reasoning by inhibition nets **128** (2001) 161–201
- Leone, N., see Gottlob, G. **124** (2000) 243–282
- Lespérance, Y., see De Giacomo, G. **121** (2000) 109–169
- Leung, C.-T. and T.W.S. Chow
 Least third-order cumulant method with adaptive regularization parameter selection for neural networks **127** (2001) 169–197
- Levene, M. and T.I. Fenner
 The effect of mobility on minimaxing of game trees with random leaf values **130** (2001) 1–26
- Levesque, H.J., see De Giacomo, G. **121** (2000) 109–169
- Li, M., see Gao, Q. **121** (2000) 1–29
- Lifschitz, V.
 M. Shanahan, *Solving the Frame Problem* (Book Review) **123** (2000) 265–268
- Lin, F.
 On strongest necessary and weakest sufficient conditions **128** (2001) 143–159
- Linhares, A.
 A glimpse at the metaphysics of Bongard problems **121** (2000) 251–270
- Linke, T. and T. Schaub
 Alternative foundations for Reiter's default logic **124** (2000) 31–86
- Lukasiewicz, T., see Eiter, T. **124** (2000) 169–241
- Markovitch, S., see Finkelstein, L. **126** (2001) 63–108
- Massacci, F., see Donini, F.M. **124** (2000) 87–138
- Matsubara, S., see Yokoo, M. **130** (2001) 167–181
- McCarthy, J.
 M. Shanahan, *Solving the Frame Problem* (Book Review) **123** (2000) 269–270
- Meseguer, P. and C. Torras
 Exploiting symmetries within constraint satisfaction search **129** (2001) 133–163
- Moses, M. and S. Forrest
 Review of *The Computational Beauty of Nature* by Gary William Flake (Book Review) **128** (2001) 239–242
- Mosterman, P.J. and G. Biswas
 A comprehensive methodology for building hybrid models of physical systems **121** (2000) 171–209
- Müller, M.
 Partial order bounding: A new approach to evaluation in game tree search **129** (2001) 279–311
- Niedernostheide, F.-J., see Bode, M. **130** (2001) 75–84
- Okamoto, Y.
 Review of R.A. Wilson and F.C. Keil (Eds.), *The MIT Encyclopedia of the Cognitive Sciences* (Book Review) **130** (2001) 211–212

- Pesch, E., see Dorndorf, U. **122** (2000) 189–240
- Peterson, D.M.
 The mind's new labels?: Review of R.A. Wilson and F.C. Keil (Eds.), *The MIT Encyclopedia of the Cognitive Sciences* (Book Review) **130** (2001) 213–216
- Phan-Huy, T., see Dorndorf, U. **122** (2000) 189–240
- Pollack, M.E., see Horty, J.F. **127** (2001) 199–220
- Ramoni, M. and P. Sebastiani
 Robust Bayes classifiers (Research Note) **125** (2001) 209–226
- Régnier, P., see Cayrol, M. **130** (2001) 85–118
- Reid, M., see Korf, R.E. **129** (2001) 199–218
- Saffiotti, A., see Benferhat, S. **122** (2000) 1–69
- Sakama, C. and K. Inoue
 Prioritized logic programming and its application to common-sense reasoning **123** (2000) 185–222
- Sakurai, Y., see Yokoo, M. **130** (2001) 167–181
- Sandewall, E.
 M. Shanahan, *Solving the Frame Problem* (Book Review) **123** (2000) 271–273
- Sankaranarayanan, S., see Dasgupta, P. **127** (2001) 137–162
- Scarcello, F., see Gottlob, G. **124** (2000) 243–282
- Schaeffer, J., see Junghanns, A. **129** (2001) 219–251
- Schaub, T., see Delgrande, J.P. **123** (2000) 41–87
- Schaub, T., see Linke, T. **124** (2000) 31–86
- Schreck, P., see Essert-Villard, C. **124** (2000) 139–159
- Schulze, H.-J., see Bode, M. **130** (2001) 75–84
- Sebastiani, P., see Ramoni, M. **125** (2001) 209–226
- Selman, B., see Gomes, C.P. **126** (2001) 43–62
- Seo, M., H. Iida and J.W.H.M. Uiterwijk
 The PN*-search algorithm: Application to tsume-shogi **129** (2001) 253–277
- Shanahan, M.
 M. Shanahan, *Solving the Frame Problem* (Response) **123** (2000) 275
- Sierra, B., see Inza, I. **123** (2000) 157–184
- Skiadopoulos, S., see Koubarakis, M. **123** (2000) 223–263
- Slaney, J. and S. Thiébaux
 Blocks World revisited **125** (2001) 119–153
- Smets, P., see Benferhat, S. **122** (2000) 1–69
- Son, T.C. and C. Baral
 Formalizing sensing actions— A transition function based approach **125** (2001) 19–91
- Staab, S.
 From binary temporal relations to non-binary ones and back **128** (2001) 1–29
- Steinberg, L.
 Searching stochastically generated multi-abstraction-level design spaces **129** (2001) 63–90

- Stell, J.G.
 Boolean connection algebras: A new approach to the Region-
 Connection Calculus **122** (2000) 111–136
- Stergiou, K., see Gent, I. **123** (2000) 133–156
- Stuckey, P.J., see Choi, K.M.F. **123** (2000) 1– 39
- Stumptner, M. and F. Wotawa
 Diagnosing tree-structured systems **127** (2001) 1– 29
- Subrahmanian, V.S., see Dix, J. **127** (2001) 87–135
- Taylor, T.
 Christoph Adami, *Introduction to Artificial Life* (Book Re-
 view) **130** (2001) 119–121
- Tennenholtz, M., see Brafman, R.I. **121** (2000) 31– 47
- Thiébaux, S., see Slaney, J. **125** (2001) 119–153
- Thrun, S., D. Fox, W. Burgard and F. Dellaert
 Robust Monte Carlo localization for mobile robots **128** (2001) 99–141
- Torras, C., see Jiménez, P. **124** (2000) 1– 30
- Torras, C., see Meseguer, P. **129** (2001) 133–163
- Trejo, R., see Baral, C. **122** (2000) 241–267
- Turán, G., see Horváth, T. **128** (2001) 31– 97
- Uiterwijk, J.W.H.M., see Seo, M. **129** (2001) 253–277
- Vidal, V., see Cayrol, M. **130** (2001) 85–118
- Vitányi, P., see Gao, Q. **121** (2000) 1– 29
- Walsh, T., see Gent, I. **123** (2000) 133–156
- Wilson, R.A.
 The Cognitive Sciences: A comment on 6 reviews of *The MIT
 Encyclopedia of the Cognitive Sciences* (Response) **130** (2001) 223–229
- Wotawa, F., see Stumptner, M. **127** (2001) 1– 29
- Yao, X., see He, J. **127** (2001) 57– 85
- Yokoo, M., Y. Sakurai and S. Matsubara
 Robust combinatorial auction protocol against false-name
 bids **130** (2001) 167–181
- Zhang, W.
 Iterative state-space reduction for flexible computation **126** (2001) 109–138
- Zhang, W., R. Dechter and R.E. Korf
 Heuristic search in artificial intelligence **129** (2001) 1– 4
- Zhao, F., see Bailey-Kellogg, C. **130** (2001) 125–166
- Zilberstein, S., see Hansen, E.A. **126** (2001) 139–157
- Zilberstein, S., see Hansen, E.A. **129** (2001) 35– 62
- Zilberstein, S., see Horvitz, E. **126** (2001) 1– 4