## Список литературы

- [1] LANGDON, W. B. et al., editors, GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, New York, 2002, Morgan Kaufmann Publishers.
- [2] BALTHROP, J. et al., Coverage and generalization in an artificial immune system, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 3–10, New York, 2002, Morgan Kaufmann Publishers.
- [3] BIRATTARI, M. et al., A racing algorithm for configuring metaheuristics, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 11–18, New York, 2002, Morgan Kaufmann Publishers.
- [4] BLACKWELL, T. M. et al., Dynamic search with charged swarms, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 19–26, New York, 2002, Morgan Kaufmann Publishers.
- [5] BLUM, C., Ant colony optimization for the edge-weighted k-cardinality tree problem, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 27–34, New York, 2002, Morgan Kaufmann Publishers.
- [6] BLUM, C. et al., On A particularity in model-based search, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 35–42, New York, 2002, Morgan Kaufmann Publishers.
- [7] BUI, T. N. et al., An ant system algorithm for graph bisection, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 43–51, New York, 2002, Morgan Kaufmann Publishers.
- [8] BULLINARIA, J. A., The evolution of variable learning rates, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 52–59, New York, 2002, Morgan Kaufmann Publishers.
- [9] CONRADIE, A. et al., Adaptive control utilising neural swarming, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 60–67, New York, 2002, Morgan Kaufmann Publishers.
- [10] HODGSON, R. J. W., Partical swarm optimization applied to the atomic cluster optimization problem, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 68–73, New York, 2002, Morgan Kaufmann Publishers.
- [11] KEBER, C. et al., Option valuation with generalized ant programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 74–81, New York, 2002, Morgan Kaufmann Publishers.
- [12] LEAHY, N. P., Effects of agent representation on the behavior of A non-reciprocal cooperation game, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 82–87, New York, 2002, Morgan Kaufmann Publishers.
- [13] LIANG, S. et al., Intelligent packets for dynamic network routing using distributed genetic algorithm, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 88–96, New York, 2002, Morgan Kaufmann Publishers.
- [14] MATHIAS, K. E. et al., Agent support of genetic search in an immunological model of sparse distributed memory, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 97–104, New York, 2002, Morgan Kaufmann Publishers.
- [15] MERKLE, D. et al., Studies on the dynamics of ant colony optimization algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 105–112, New York, 2002, Morgan Kaufmann Publishers.

- [16] STANLEY, K. O. et al., Continual coevolution through complexification, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 113–120, New York, 2002, Morgan Kaufmann Publishers.
- [17] TAKADAMA, K. et al., Cross-validation in multiagent-based simulation: Analyzing evolutionary bargaining agents, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 121–128, New York, 2002, Morgan Kaufmann Publishers.
- [18] ANDO, S. et al., Ant algorithm for construction of evolutionary tree, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 131, New York, 2002, Morgan Kaufmann Publishers.
- [19] BONGARD, J. C. et al., Behavioural selection pressure generates hierarchical genetic regulatory networks, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 132, New York, 2002, Morgan Kaufmann Publishers.
- [20] BORYCZKA, M. et al., Solving approximation problems by ant colony programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 133, New York, 2002, Morgan Kaufmann Publishers.
- [21] CAPCARRERE, M. S., Evolution of asynchronous cellular automata: Finding the good compromise, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 134, New York, 2002, Morgan Kaufmann Publishers.
- [22] DAS, S. et al., An ant colony approach for the Steiner tree problem, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 135, New York, 2002, Morgan Kaufmann Publishers.
- [23] LENAERTS, T. et al., An individual-based approach to multi-level selection, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 136, New York, 2002, Morgan Kaufmann Publishers.
- [24] PELLETIER, O. et al., Algorithmic self-assembly of DNA tiles and its application to cryptanalysis, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 139–146, New York, 2002, Morgan Kaufmann Publishers.
- [25] YURKE, B. et al., A DNA-based three-state device, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 147–152, New York, 2002, Morgan Kaufmann Publishers.
- [26] BEAULIEU, J. et al., Lens system design and re-engineering with evolutionary algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 155–162, New York, 2002, Morgan Kaufmann Publishers.
- [27] GALLAGHER, J. C. et al., A modified compact genetic algorithm for the intrinsic evolution of continuous time recurrent neural networks, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 163–170, New York, 2002, Morgan Kaufmann Publishers.
- [28] HARTMANN, M. et al., Evolving fault tolerance on an unreliable technology platform, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 171–177, New York, 2002, Morgan Kaufmann Publishers.
- [29] TANGEN, U., An evolvable micro-controller or what's new about mutations?, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 178–186, New York, 2002, Morgan Kaufmann Publishers.

- [30] NIPARNAN, N. et al., An improved genetic algorithm for the inference of finite state machine, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 189, New York, 2002, Morgan Kaufmann Publishers.
- [31] BEACHKOFSKI, B. K. et al., Evolutionary programming based stratified design space sampling, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 193–200, New York, 2002, Morgan Kaufmann Publishers.
- [32] COELLO, C. A. C. et al., Adding knowledge and efficient data structures to evolutionary programming: A cultural algorithm for constrained optimization, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 201–209, New York, 2002, Morgan Kaufmann Publishers.
- [33] SEMENOV, M. A., Convergence velocity of evolutionary algorithm with self-adaptation, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 210–213, New York, 2002, Morgan Kaufmann Publishers.
- [34] WONG, M. L. et al., A hybrid data mining approach to discover Bayesian networks using evolutionary programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 214–222, New York, 2002, Morgan Kaufmann Publishers.
- [35] LIU, Y. et al., Search step size control in fast evolutionary programming, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 225, New York, 2002, Morgan Kaufmann Publishers.
- [36] DeLaurentis, J. et al., On the convergence properties of A simple self-adaptive evolutionary algorithm, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 229–237, New York, 2002, Morgan Kaufmann Publishers.
- [37] JANSEN, T. et al., An analysis of the role of offspring population size in EAs, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 238–246, New York, 2002, Morgan Kaufmann Publishers.
- [38] OKABE, T. et al., On the dynamics of evolutionary multi-objective optimization, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 247–256, New York, 2002, Morgan Kaufmann Publishers.
- [39] JOHN, D. J., Co-evolution with the Bierwirth-Mattfeld hybrid scheduler, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 259, New York, 2002, Morgan Kaufmann Publishers.
- [40] AICKELIN, U. et al., Partnering strategies for fitness evaluation in A pyramidal evolutionary algorithm, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 263–270, New York, 2002, Morgan Kaufmann Publishers.
- [41] ALBERT, L. A. et al., Efficient discretization scheduling in multiple dimensions, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 271–278, New York, 2002, Morgan Kaufmann Publishers.
- [42] ALDEN, M. et al., Eugenic evolution utilizing A domain model, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 279–286, New York, 2002, Morgan Kaufmann Publishers.
- [43] BARBOSA, H. J. C. et al., An adaptive penalty scheme in genetic algorithms for constrained optimization problems, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 287–294, New York, 2002, Morgan Kaufmann Publishers.

- [44] BYASSEE, J. S. et al., Expediting genetic search with dynamic memory, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 295–302, New York, 2002, Morgan Kaufmann Publishers.
- [45] CANTU-PAZ, E., Feature subset selection by estimation of distribution algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 303–310, New York, 2002, Morgan Kaufmann Publishers.
- [46] CANTÚ-PAZ, E., On random numbers and the performance of genetic algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 311–318, New York, 2002, Morgan Kaufmann Publishers.
- [47] CHEN, J.-H. et al., Fitness inheritance in multi-objective optimization, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 319–326, New York, 2002, Morgan Kaufmann Publishers.
- [48] CHOI, S.-S. et al., Isomorphism, normalization, and A genetic algorithm for sorting network optimization, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 327–334, New York, 2002, Morgan Kaufmann Publishers.
- [49] CHOI, S.-S. et al., More effective genetic search for the sorting network problem, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 335–342, New York, 2002, Morgan Kaufmann Publishers.
- [50] DIVINA, F. et al., Evolutionary concept learning, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 343–350, New York, 2002, Morgan Kaufmann Publishers.
- [51] GALINDO-LEGARIA, C. et al., The effect of cost distributions on evolutionary optimization algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 351–358, New York, 2002, Morgan Kaufmann Publishers.
- [52] GARRETT, S. M. et al., Combining evolutionary and non-evolutionary methods in tracking dynamic global optima, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 359–366, New York, 2002, Morgan Kaufmann Publishers.
- [53] GREENE, W. A., A genetic algorithm with self-distancing bits but no overt linkage, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 367–374, New York, 2002, Morgan Kaufmann Publishers.
- [54] HOHMANN, S. G. et al., Exploring the parameter space of A genetic algorithm for training an analog neural network, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 375–382, New York, 2002, Morgan Kaufmann Publishers.
- [55] HSU, W. H. et al., A permutation genetic algorithm for variable ordering in learning Bayesian networks from data, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 383–390, New York, 2002, Morgan Kaufmann Publishers.
- [56] HÜSKEN, M. et al., Balancing learning and evolution, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 391–398, New York, 2002, Morgan Kaufmann Publishers.
- [57] ISHIBUCHI, H. et al., Fuzzy rule selection by data mining criteria and genetic algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 399–406, New York, 2002, Morgan Kaufmann Publishers.

- [58] KIM, J.-H. et al., Neuron reordering for better neuro-genetic hybrids, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 407–414, New York, 2002, Morgan Kaufmann Publishers.
- [59] KIMBROUGH, S. O. et al., Exploring A two-market genetic algorithm, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 415–422, New York, 2002, Morgan Kaufmann Publishers.
- [60] KOCH, T. E. et al., MOCS: Multi-objective clustering selection evolutionary algorithm, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 423–430, New York, 2002, Morgan Kaufmann Publishers.
- [61] KUMAR, S. V. et al., Evaluation of the constraint method-based evolutionary algorithm (CMEA) for A three-objective problem, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 431–438, New York, 2002, Morgan Kaufmann Publishers.
- [62] LAUMANNS, M. et al., Archiving with guaranteed convergence and diversity in multi-objective optimization, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 439–447, New York, 2002, Morgan Kaufmann Publishers.
- [63] LIU, Y. et al., Maintaining population diversity by minimizing mutual information, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 448–455, New York, 2002, Morgan Kaufmann Publishers.
- [64] MAO, J. et al., Increasing robustness of genetic algorithm, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 456–462, New York, 2002, Morgan Kaufmann Publishers.
- [65] MENON, A., The point of point crossover: Shuffling to randomness, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 463–471, New York, 2002, Morgan Kaufmann Publishers.
- [66] MERZ, P., A comparison of memetic recombination operators for the traveling salesman problem, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 472–479, New York, 2002, Morgan Kaufmann Publishers.
- [67] MEYESENBURG, M. M. et al., How random generator quality impacts GA performance, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 480–487, New York, 2002, Morgan Kaufmann Publishers.
- [68] NICOLAU, M. et al., LINKGAUGE: Tackling hard deceptive problems with A new linkage learning genetic algorithm, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 488–494, New York, 2002, Morgan Kaufmann Publishers.
- [69] OCHOA, G., Setting the mutation rate: Scope and limitations of the 1/L heuristic, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 495–502, New York, 2002, Morgan Kaufmann Publishers.
- [70] PANAIT, L. et al., A comparison of two competitive fitness functions, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 503–511, New York, 2002, Morgan Kaufmann Publishers.
- [71] PELIKAN, M. et al., Combining the strengths of Bayesian optimization algorithm and adaptive evolution strategies, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 512–519, New York, 2002, Morgan Kaufmann Publishers.

- [72] PURSHOUSE, R. C. et al., Why use elitism and sharing in A multi-objective genetic algorithm?, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 520–527, New York, 2002, Morgan Kaufmann Publishers.
- [73] SASTRY, K. et al., Genetic algorithms, efficiency enhancement, and deciding well with differing fitness variances, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 528–535, New York, 2002, Morgan Kaufmann Publishers.
- [74] SASTRY, K. et al., Genetic algorithms, efficiency enhancement, and deciding well with differing fitness bias values, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 536–543, New York, 2002, Morgan Kaufmann Publishers.
- [75] SEO, D.-I. et al., Voronoi quantizied crossover for traveling salesman problem, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 544–552, New York, 2002, Morgan Kaufmann Publishers.
- [76] SOMEYA, H. et al., Robust evolutionary algorithms with toroidal search space conversion for function optimization, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 553–560, New York, 2002, Morgan Kaufmann Publishers.
- [77] SPIROV, A. V. et al., Jumping genes-mutators can rise efficacy of evolutionary search, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 561–568, New York, 2002, Morgan Kaufmann Publishers.
- [78] STANLEY, K. O. et al., Efficient reinforcement learning through evolving neural network topologies, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 569–577, New York, 2002, Morgan Kaufmann Publishers.
- [79] STEPHENS, C. R. et al., Exact results from A coarse grained formulation of the dynamics of variable-length genetic algorithms, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 578–585, New York, 2002, Morgan Kaufmann Publishers.
- [80] STONE, C. et al., Strategy parameter variety in self-adaptation of mutation rates, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 586–593, New York, 2002, Morgan Kaufmann Publishers.
- [81] STRINGER, H. et al., A simple method for detecting domino convergence and identifying salient genes within A genetic algorithm, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 594–601, New York, 2002, Morgan Kaufmann Publishers.
- [82] TIWARI, A. et al., Variable dependence interaction and multi-objective optimisation, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 602–609, New York, 2002, Morgan Kaufmann Publishers.
- [83] TSAI, H.-K. et al., Applying genetic algorithms to finding the optimal gene order in displaying the microarray data, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 610–617, New York, 2002, Morgan Kaufmann Publishers.
- [84] TULAI, A. F. et al., Combining competitive and cooperative coevolution for training cascade neural networks, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 618–625, New York, 2002, Morgan Kaufmann Publishers.

- [85] Van Hoyweghen, C. et al., From twomax to the ising model: Easy and hard symmetrical problems, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 626–633, New York, 2002, Morgan Kaufmann Publishers.
- [86] VRAJITORU, D., Simulating gender separation with genetic algorithms, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 634–641, New York, 2002, Morgan Kaufmann Publishers.
- [87] WRIGHT, A. H. et al., A fixed point analysis of A gene pool GA with mutation, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 642–649, New York, 2002, Morgan Kaufmann Publishers.
- [88] YANG, S., Adaptive non-uniform crossover based on statistics for genetic algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 650–657, New York, 2002, Morgan Kaufmann Publishers.
- [89] ZHU, Z.-Y. et al., An enhanced annealing genetic algorithm for multi-objective optimization problems, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 658–665, New York, 2002, Morgan Kaufmann Publishers.
- [90] ZITZLER, E. et al., Why quality assessment of multiobjective optimizers is difficult, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 666–674, New York, 2002, Morgan Kaufmann Publishers.
- [91] BACARDIT, J. et al., Evolution of adaptive discretization intervals for A rule-based genetic learning system, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 677, New York, 2002, Morgan Kaufmann Publishers.
- [92] DEVOGELAERE, D. et al., Influences of clustering modifications on the performatnce of the genetic algorithm driven clustering algorithm, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 678, New York, 2002, Morgan Kaufmann Publishers.
- [93] ETANER-UYAR, A. S. et al., Preserving diversity in changing environments through diploidy with adaptive dominance, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 679, New York, 2002, Morgan Kaufmann Publishers.
- [94] HSU, W. H. et al., Genetic algorithm wrappers for feature subset selection in supervised inductive learning, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 680, New York, 2002, Morgan Kaufmann Publishers.
- [95] HUANG, C.-G., A study of fitness proportional mate selection schemes in genetic algorithms, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 681, New York, 2002, Morgan Kaufmann Publishers.
- [96] HUANG, C.-F., A Markov chain analysis of fitness proportional mate selection schemes in genetic algorithm, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 682, New York, 2002, Morgan Kaufmann Publishers.
- [97] JIN, Y. et al., Incorporation of fuzzy preferences into evolutionary multiobjective optimization, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 683, New York, 2002, Morgan Kaufmann Publishers.
- [98] KHAN, N. et al., Multiple-objective Bayesian optimization algorithm, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 684, New York, 2002, Morgan Kaufmann Publishers.

- [99] KIM, J.-P. et al., A hybrid genetic search for circuit bipartitioning, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 685, New York, 2002, Morgan Kaufmann Publishers.
- [100] KIM, Y.-H. et al., Visualization of the fitness landscape, A steady-state genetic search, and schema traces, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 686, New York, 2002, Morgan Kaufmann Publishers.
- [101] KNÖDLER, K. et al., Memetic algorithms for combinatorial optimization problems in the calibration of modern combustion engines, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 687, New York, 2002, Morgan Kaufmann Publishers.
- [102] KOSORUKOFF, A., Using incremental evaluation and adaptive choice of operators in A genetic algorithm, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 688, New York, 2002, Morgan Kaufmann Publishers.
- [103] LEE, S.-K. et al., A hybrid genetic algorithm for optimal hexagonal tortoise problem, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 689, New York, 2002, Morgan Kaufmann Publishers.
- [104] MACHADO, P. et al., Vehicle routing problem: Doing it the evolutionary way, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 690, New York, 2002, Morgan Kaufmann Publishers.
- [105] MEYESENBURG, M. M. et al., A genetic algorithm-specific test of random generator quality, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 691, New York, 2002, Morgan Kaufmann Publishers.
- [106] PETTINGER, J. E. et al., Controlling genetic algorithms with reinforcement learning, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 692, New York, 2002, Morgan Kaufmann Publishers.
- [107] PRADO, O. et al., An integrated system for phylogenetic inference using evolutionary algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 693, New York, 2002, Morgan Kaufmann Publishers.
- [108] ROOS, R. S. et al., A genetic algorithm for improved shellsort sequences, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 694, New York, 2002, Morgan Kaufmann Publishers.
- [109] ROTHLAUF, F., The influence of binary representations of integers on the performance of selectorecombinative genetic algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 695, New York, 2002, Morgan Kaufmann Publishers.
- [110] SEKAJ, I. et al., Genetic algorithm based adaptive control of an electromechanical MIMO system, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 696, New York, 2002, Morgan Kaufmann Publishers.
- [111] SIMOES, A. et al., Parametric study to enhance the genetic algorithm's performance when using transformation, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 697, New York, 2002, Morgan Kaufmann Publishers.
- [112] SIMÕES, A. et al., Using GAs to deal with dynamic environments: A comparative study of several approaches based on promoting diversity, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 698, New York, 2002, Morgan Kaufmann Publishers.

- [113] SINGH, A. et al., Modified linkage learning genetic algorithm for difficult non-stationary problems, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 699, New York, 2002, Morgan Kaufmann Publishers.
- [114] TYNI, T. et al., Bi-directional circular linked lists in fitness caching, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 700, New York, 2002, Morgan Kaufmann Publishers.
- [115] UEDA, T. et al., Application of numerical optimization technique based on real-coded genetic algorithm to inverse problem in biochemical systems, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 701, New York, 2002, Morgan Kaufmann Publishers.
- [116] WATANABE, S. et al., LCGA: Local cultivation genetic algorithm for multi-objective optimization problems, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 702, New York, 2002, Morgan Kaufmann Publishers.
- [117] WU, A. S. et al., The proportional genetic algorithm representation, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 703, New York, 2002, Morgan Kaufmann Publishers.
- [118] YU, T. et al., Climbing unimodal landscapes with neutrality: A case study of the one-max problem, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 704, New York, 2002, Morgan Kaufmann Publishers.
- [119] AZAD, R. M. A. et al., A re-examination of the cart centering problem using the chorus system, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 707–715, New York, 2002, Morgan Kaufmann Publishers.
- [120] BURKE, R. et al., A survey and analysis of diversity measures in genetic programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 716–723, New York, 2002, Morgan Kaufmann Publishers.
- [121] CLERGUE, M. et al., Fitness distance correlation and problem difficulty for genetic programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 724–732, New York, 2002, Morgan Kaufmann Publishers.
- [122] CRAWFORD-MARKS, R. et al., Size control via size fair genetic operators in the PushGP genetic programming system, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 733–739, New York, 2002, Morgan Kaufmann Publishers.
- [123] GROSS, R. et al., Evolving chess playing programs, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 740–747, New York, 2002, Morgan Kaufmann Publishers.
- [124] HAMEL, L., Breeding algebraic structures—an evolutionary approach to inductive equational logic programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 748–755, New York, 2002, Morgan Kaufmann Publishers.
- [125] HOWARD, D. et al., Machine vision: Exploring context with genetic programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 756–763, New York, 2002, Morgan Kaufmann Publishers.
- [126] HSU, W. H. et al., Genetic programming and multi-agent layered learning by reinforcements, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 764–771, New York, 2002, Morgan Kaufmann Publishers.

- [127] HU, J. et al., Adaptive hierarchical fair competition (AHFC) model for parallel evolutionary algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 772–779, New York, 2002, Morgan Kaufmann Publishers.
- [128] HU, J. et al., Structure fitness sharing (SFS) for evolutionary design by genetic programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 780–787, New York, 2002, Morgan Kaufmann Publishers.
- [129] IBA, H. et al., Inference of differential equation moels by genetic programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 788–795, New York, 2002, Morgan Kaufmann Publishers.
- [130] IMAMURA, K. et al., Abstention reduces errors—decision abstaining N-version genetic programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 796–803, New York, 2002, Morgan Kaufmann Publishers.
- [131] KUBICA, J. et al., Collaborating with A genetic programming system to generate modular robotic code, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 804–811, New York, 2002, Morgan Kaufmann Publishers.
- [132] LANGDON, W. B., Convergence rates for the distribution of program outputs, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 812–819, New York, 2002, Morgan Kaufmann Publishers.
- [133] LUKE, S. et al., Is the perfect the enemy of the good?, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 820–828, New York, 2002, Morgan Kaufmann Publishers.
- [134] LUKE, S. et al., Lexicographic parsimony pressure, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 829–836, New York, 2002, Morgan Kaufmann Publishers.
- [135] MARTIN, P., An analysis of random number generators for A hardware implementation of genetic programming using FPGAs and Handel-C, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 837–844, New York, 2002, Morgan Kaufmann Publishers.
- [136] MARTIN, P. et al., Crossover operators for A hardware implementation of GP using FPGAs and Handel-C, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 845–852, New York, 2002, Morgan Kaufmann Publishers.
- [137] McPhee, N. F. et al., Using schema theory to explore interactions of multiple operators, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 853–860, New York, 2002, Morgan Kaufmann Publishers.
- [138] PARENT, J. et al., Evolving compression preprocessors with genetic programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 861–867, New York, 2002, Morgan Kaufmann Publishers.
- [139] POLI, R. et al., On the search biases of homologuous crossover in linear genetic programming and variable-length genetic algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 868–876, New York, 2002, Morgan Kaufmann Publishers.
- [140] STREETER, M. J. et al., Iterative refinement of computational circuits using genetic programming, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 877–884, New York, 2002, Morgan Kaufmann Publishers.

- [141] COOPER, J. et al., Comparison of evolving against peers and fixed opponents using corewars, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 887, New York, 2002, Morgan Kaufmann Publishers.
- [142] GAGNÉ, C. et al., Open BEAGLE: A new C++ evolutionary computation framework, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 888, New York, 2002, Morgan Kaufmann Publishers.
- [143] GIACOBINI, M. et al., How statistics can help in limiting the number of fitness cases in genetic programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 889, New York, 2002, Morgan Kaufmann Publishers.
- [144] KATAGIRI, H. et al., A new model to realize variable size genetic network programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 890, New York, 2002, Morgan Kaufmann Publishers.
- [145] KORKMAZ, E. E. et al., Controlling the genetic programming search, in *GECCO 2002:* Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 891, New York, 2002, Morgan Kaufmann Publishers.
- [146] OLIVER-MORALES, C. et al., MB GP in modelling and prediction, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 892, New York, 2002, Morgan Kaufmann Publishers.
- [147] OLSON, R. et al., Self-improvement for the ADATE automatic programming system, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 893, New York, 2002, Morgan Kaufmann Publishers.
- [148] WITHALL, M. S. et al., Evolving readable Perl, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 894, New York, 2002, Morgan Kaufmann Publishers.
- [149] BULL, L., Lookahead and latent learning in ZCS, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 897–904, New York, 2002, Morgan Kaufmann Publishers.
- [150] BULL, L. et al., Accuracy-based neuro and neuro-fuzzy classifier systems, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 905–911, New York, 2002, Morgan Kaufmann Publishers.
- [151] DANEK, M. et al., XCS applied to mapping FPGA architectures, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 912–919, New York, 2002, Morgan Kaufmann Publishers.
- [152] FU, C. et al., A modified classifier system compaction algorithm, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 920–925, New York, 2002, Morgan Kaufmann Publishers.
- [153] LANDAU, S. et al., A comparison between ATNoSFERES and XCSM, in *GECCO 2002:* Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 926–933, New York, 2002, Morgan Kaufmann Publishers.
- [154] LLORÀ, X. et al., Coevolving different knowledge representations with fine-grained parallel learning classifier systems, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 934–941, New York, 2002, Morgan Kaufmann Publishers.
- [155] ROSS, P. et al., Hyper-heuristics: Learning to combine simple heuristics in bin-packing problems, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 942–948, New York, 2002, Morgan Kaufmann Publishers.

- [156] BULL, L. et al., Towards the use of XCS in interactive evolutionary design, in *GECCO 2002:* Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 951, New York, 2002, Morgan Kaufmann Publishers.
- [157] KOKAI, G. et al., An experimental comparison of genetic and classical concept learning methods, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 952, New York, 2002, Morgan Kaufmann Publishers.
- [158] NERI, F., Cooperative concept learning by means of A distributed GA, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 953, New York, 2002, Morgan Kaufmann Publishers.
- [159] EBNER, M. et al., On the use of negative selection in an artificial immune system, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 957–964, New York, 2002, Morgan Kaufmann Publishers.
- [160] KOSORUKOFF, A. et al., Evolutionary computation as A form of organization, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 965–972, New York, 2002, Morgan Kaufmann Publishers.
- [161] MASUM, H. et al., The turing ratio: Metrics for open-ended tasks, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 973–980, New York, 2002, Morgan Kaufmann Publishers.
- [162] WANG, X. et al., Genetic algorithms and fine-grained topologies for optimization, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 981–988, New York, 2002, Morgan Kaufmann Publishers.
- [163] ARENAS, M. G. et al., JEO: Java evolving objects, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 991, New York, 2002, Morgan Kaufmann Publishers.
- [164] BARONE, L. et al., Designing crushers with A multi-objective evolutionary algorithm, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 995–1002, New York, 2002, Morgan Kaufmann Publishers.
- [165] BHANU, B. et al., Learning composite operators for object detection, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 1003–1010, New York, 2002, Morgan Kaufmann Publishers.
- [166] BRABAZON, A. et al., Grammatical evolution and corporate failure prediction, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1011–1018, New York, 2002, Morgan Kaufmann Publishers.
- [167] CANTÚ-PAZ, E. et al., Evolving neural networks for the classification of galaxies, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1019–1026, New York, 2002, Morgan Kaufmann Publishers.
- [168] CARR, R. et al., Alignment of protein structures with A memetic evolutionary algorithm, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1027–1034, New York, 2002, Morgan Kaufmann Publishers.
- [169] CARVALHO, D. R. et al., A genetic algorithm with sequential niching for discovering small-disjunct rules, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1035–1042, New York, 2002, Morgan Kaufmann Publishers.
- [170] CASTILLO, F. A. et al., Symbolic regression in design of experiments: A case study with linearizing transformations, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1043–1047, New York, 2002, Morgan Kaufmann Publishers.

- [171] CHEN, P. et al., Using genetic algorithms to solve the yard allocation problem, in *GECCO 2002:* Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 1049–1056, New York, 2002, Morgan Kaufmann Publishers.
- [172] CONGDON, C. B., Gaphyl: An evolutionary algorithms approach for the study of natural evolution, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1057–1064, New York, 2002, Morgan Kaufmann Publishers.
- [173] PIETRO, A. D. et al., Learning in RoboCup keepaway using evolutionary algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1065–1072, New York, 2002, Morgan Kaufmann Publishers.
- [174] FAN, Z. et al., Exploring multiple design topologies using genetic programming and bond graphs, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1073–1080, New York, 2002, Morgan Kaufmann Publishers.
- [175] GONZÁLEZ, F. A. et al., An imunogenetic technique to detect anomalies in network traffic, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1081–1088, New York, 2002, Morgan Kaufmann Publishers.
- [176] HAMZA, K. et al., Design optimization of N-shaped roof trusses, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 1089–1096, New York, 2002, Morgan Kaufmann Publishers.
- [177] HOWARD, D. et al., Application of genetic programming to motorway traffic modelling, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1097–1104, New York, 2002, Morgan Kaufmann Publishers.
- [178] JIN, Y. et al., Fitness approximation in evolutionary computation—a survey, in *GECCO 2002:* Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 1105–1112, New York, 2002, Morgan Kaufmann Publishers.
- [179] KANG, L.-S. et al., A two level evolutionary modeling system for financial data, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 1113–1118, New York, 2002, Morgan Kaufmann Publishers.
- [180] KWON, Y.-K. et al., A genetic hybrid for critical heat flux function approximation, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1119–1125, New York, 2002, Morgan Kaufmann Publishers.
- [181] LEE, S.-Y. et al., Search improvement by genetic algorithms with A semiotic network, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1126–1132, New York, 2002, Morgan Kaufmann Publishers.
- [182] LINDEN, D. S., Antenna design using genetic algorithm, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1133–1140, New York, 2002, Morgan Kaufmann Publishers.
- [183] MONTANA, D. et al., Adaptive reconfiguration of data networks using genetic algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1141–1149, New York, 2002, Morgan Kaufmann Publishers.
- [184] MOORE, J. H. et al., Application of genetic algorithms to the discovery of complex models for simulation studies in human genetics, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1150–1155, New York, 2002, Morgan Kaufmann Publishers.
- [185] NAUJOKS, B. et al., Multi objective airfoil design using single parent populations, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1156–1163, New York, 2002, Morgan Kaufmann Publishers.

- [186] ODUGUWA, V. et al., Multi-objective optimisation of rolling rod product design using metamodelling approach, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1164–1171, New York, 2002, Morgan Kaufmann Publishers.
- [187] PARK, E.-J. et al., Genetic search for fixed channel assignment problem with limited bandwidth, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1172–1179, New York, 2002, Morgan Kaufmann Publishers.
- [188] RASHEED, K. et al., Comparison of methods for using reduced models to speed up design optimization, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1180–1187, New York, 2002, Morgan Kaufmann Publishers.
- [189] ROMÃO, W. et al., A genetic algorithm for discovering interesting fuzzy prediction rules: Applications to science and technology data, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1188–1195, New York, 2002, Morgan Kaufmann Publishers.
- [190] ROSS, B. J. et al., Hyperspectral image analysis using genetic programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1196–1203, New York, 2002, Morgan Kaufmann Publishers.
- [191] SATO, Y., Voice conversion using interactive evolution of prosodic control, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1204–1211, New York, 2002, Morgan Kaufmann Publishers.
- [192] SCHAFFER, J. D. et al., Improving digital video commercial detectors with genetic algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1212–1218, New York, 2002, Morgan Kaufmann Publishers.
- [193] TANEV, I. T. et al., An application service provider approach for hybrid evolutionary algorithm-based real-world flexible job shop scheduling problem, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1219–1226, New York, 2002, Morgan Kaufmann Publishers.
- [194] VOSS, M. S. et al., A new methodology for emergent system identification using particle swarm optimization (PSO) and the group mehtod data handling (GMDH), in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 1227–1232, New York, 2002, Morgan Kaufmann Publishers.
- [195] WEGENER, J. et al., Automatic test data generation for structural testing of embedded software systems by evolutionary testing, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 1233–1240, New York, 2002, Morgan Kaufmann Publishers.
- [196] YOUNES, A. et al., An adaptive genetic algorithm for multi objective flexible manufacturing systems, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1241–1248, New York, 2002, Morgan Kaufmann Publishers.
- [197] ZHANG, J. et al., A fast evolution strategies based approach to image registration, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1249–1256, New York, 2002, Morgan Kaufmann Publishers.
- [198] CHOI, S.-S. et al., Optimized interest metric of rules and one-to-one marketing using connection networks, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1259, New York, 2002, Morgan Kaufmann Publishers.

- [199] CHONG, H. W. et al., A genetic algorithm for joint optimization of spare capacity and delay in self-healing network, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 1260, New York, 2002, Morgan Kaufmann Publishers.
- [200] ELLIOTT, L. et al., A real coded genetic algorithm for the optimisation of reaction rate parameters for chemical kinetic modelling in A perfectly stirred reactor, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1261, New York, 2002, Morgan Kaufmann Publishers.
- [201] FORMAN, S. L., Congressional redistricting using A TSP-based genetic algorithm, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1262, New York, 2002, Morgan Kaufmann Publishers.
- [202] GARCÍA, H. F. G. et al., Efficient affine 2D-image registration using evolutionary strategies, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1263, New York, 2002, Morgan Kaufmann Publishers.
- [203] GOLDBARG, M. C. et al., Piston pump mobile unity tour problem: An evolutionary view, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1264, New York, 2002, Morgan Kaufmann Publishers.
- [204] GÓMEZ, A. et al., Using genetic algorithms to optimize guillotine cutting operations, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1265, New York, 2002, Morgan Kaufmann Publishers.
- [205] HO, A. C. H. et al., Optimization of CDMA based wireless system, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 1266, New York, 2002, Morgan Kaufmann Publishers.
- [206] JI, Z. et al., Modeling convection coefficients with genetic algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1267, New York, 2002, Morgan Kaufmann Publishers.
- [207] LARSEN, O. et al., Constructing X-of-n attributes with A genetic algorithm, in GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 1268, New York, 2002, Morgan Kaufmann Publishers.
- [208] MATSUI, S. et al., An efficient genetic algorithm for fixed channel assignment problem with limited bandwidth constraint, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1269, New York, 2002, Morgan Kaufmann Publishers.
- [209] OTERO, F. E. B. et al., Genetic programming for attribute construction in data mining, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1270, New York, 2002, Morgan Kaufmann Publishers.
- [210] UJJIN, S. et al., Evolving good recommendations, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1271, New York, 2002, Morgan Kaufmann Publishers.
- [211] VALLEJO, E. E. et al., Evolving finite automata with two-dimensional output for DNA recognition and visualization, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1272, New York, 2002, Morgan Kaufmann Publishers.
- [212] VOGEL, A. et al., Real-world shop floor scheduling by ant colony optimization, in *GECCO 2002:* Proceedings of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., page 1273, New York, 2002, Morgan Kaufmann Publishers.

- [213] WU, L. et al., A comparison of genetic algorithm methods in aerial spray deposition management, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1274, New York, 2002, Morgan Kaufmann Publishers.
- [214] YU, X. et al., Functional test generation for digital integrated circuits using A genetic algorithm, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1275, New York, 2002, Morgan Kaufmann Publishers.
- [215] ZYDALLIS, J. B. et al., Multiobjective evolutionary algorithm approach for solving integer based optimization problems, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1276, New York, 2002, Morgan Kaufmann Publishers.
- [216] AUGUSTSSON, P. et al., Creation of A learning, flying robot by means of evolution, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1279–1285, New York, 2002, Morgan Kaufmann Publishers.
- [217] PARKER, G. B., Learning area coverage using the co-evolution of model parameters, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1286–1294, New York, 2002, Morgan Kaufmann Publishers.
- [218] HEDMAN, K. et al., Sensing and direction in locomotion learning with A random morphology robot, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1297, New York, 2002, Morgan Kaufmann Publishers.
- [219] POLVICHAI, J. et al., Applying dynamic networks to improve learning performances of an evolutionary behavior programming system for mobile robots in dynamic environments, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1298, New York, 2002, Morgan Kaufmann Publishers.
- [220] ISHIBUCHI, H. et al., Balance between genetic search and local search in hybrid evolutionary multi-criterion optimization algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1301–1308, New York, 2002, Morgan Kaufmann Publishers.
- [221] JUNG, S. et al., A hybrid genetic algorithm for the vehicle routing problem with time windows, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1309–1316, New York, 2002, Morgan Kaufmann Publishers.
- [222] REIMANN, M. et al., A savings based ant system for the vehicle routing problem, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1317–1326, New York, 2002, Morgan Kaufmann Publishers.
- [223] BARESEL, A. et al., Fitness function design to improve evolutionary structural testing, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1329–1336, New York, 2002, Morgan Kaufmann Publishers.
- [224] BOTTACI, L., Instrumenting programs with flag variables for test data search by genetic algorithms, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1337–1342, New York, 2002, Morgan Kaufmann Publishers.
- [225] EMER, M. C. F. P. et al., GPTesT: A testing tool based on genetic programming, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1343–1350, New York, 2002, Morgan Kaufmann Publishers.
- [226] HARMAN, M. et al., A new representation and crossover operator for search-based optimization of software modularization, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1351–1358, New York, 2002, Morgan Kaufmann Publishers.

- [227] HARMAN, M. et al., Improving evolutionary testing by flag removal, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1359–1366, New York, 2002, Morgan Kaufmann Publishers.
- [228] KIRSOPP, C. et al., Search heuristics, case-based reasoning and software project effort prediction, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1367–1374, New York, 2002, Morgan Kaufmann Publishers.
- [229] MITCHELL, B. S. et al., Using heuristic search techniques to extract design abstractions from source code, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., pages 1375–1382, New York, 2002, Morgan Kaufmann Publishers.
- [230] Van Belle, T. et al., Code factoring and the evolution of evolvability, in *GECCO 2002: Proceedings* of the Genetic and Evolutionary Computation Conference, edited by LANGDON, W. B. et al., pages 1383–1390, New York, 2002, Morgan Kaufmann Publishers.
- [231] GROSS, H.-G. et al., Evolutionary testing in component-based real-time system construction, in *GECCO 2002: Proceedings of the Genetic and Evolutionary Computation Conference*, edited by LANGDON, W. B. et al., page 1393, New York, 2002, Morgan Kaufmann Publishers.