Список литературы

[1] AGOGINO, A. et al., Efficient evaluation functions for multi-rover systems, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1–11, Seattle, WA, USA, 2004, Springer-Verlag.

[2] BRABAZON, A. et al., A particle swarm model of organizational adaptation, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 12–23, Seattle, WA, USA, 2004, Springer-Verlag.

[3] BUI, T. N. et al., Finding maximum cliques with distributed ants, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 24–35, Seattle, WA, USA, 2004, Springer-Verlag.

[4] BUI, T. N. et al., Ant system for the k-cardinality tree problem, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 36–47, Seattle, WA, USA, 2004, Springer-Verlag.

[5] CHITTY, D. M. et al., A hybrid ant colony optimisation technique for dynamic vehicle routing, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 48–59, Seattle, WA, USA, 2004, Springer-Verlag.

[6] CORNFORTH, D. et al., Cooperative problem solving using an agent-based market, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 60–71, Seattle, WA, USA, 2004, Springer-Verlag.

[7] CURRAN, D. et al., Cultural evolution for sequential decision tasks: Evolving tic-tac-toe players in multi-agent systems, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 72–80, Seattle, WA, USA, 2004, Springer-Verlag.

[8] DOWNING, K. L., Artificial life and natural intelligence, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 81–92, Seattle, WA, USA, 2004, Springer-Verlag.

[9] KOWALIW, T. et al., Bluenome: A novel developmental model of artificial morphogenesis, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 93–104, Seattle, WA, USA, 2004, Springer-Verlag.

[10] LI, X., Adaptively choosing neighbourhood bests using species in a particle swarm optimizer for multimodal function optimization, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 105–116, Seattle, WA, USA, 2004, Springer-Verlag.

[11] LI, X., Better spread and convergence: Particle swarm multiobjective optimization using the maximin fitness function, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 117–128, Seattle, WA, USA, 2004, Springer-Verlag.

[12] MILLER, J. F., Evolving a self-repairing, self-regulating, french flag organism, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 129–139, Seattle, WA, USA, 2004, Springer-Verlag.

[13] MONSON, C. K. et al., The kalman swarm: A new approach to particle motion in swarm optimization, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 140–150, Seattle, WA, USA, 2004, Springer-Verlag.

[14] NAKANO, T. et al., Adaptive and evolvable network services, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 151–162, Seattle, WA, USA, 2004, Springer-Verlag.

[15] O'NEILL, M. et al., Grammatical swarm, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 163–174, Seattle, WA, USA, 2004, Springer-Verlag.

[16] SAPIN, E. et al., A new universal cellular automaton discovered by evolutionary algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 175–187, Seattle, WA, USA, 2004, Springer-Verlag.

[17] SEMET, Y. et al., An interactive artificial ant approach to non-photorealistic rendering, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 188–200, Seattle, WA, USA, 2004, Springer-Verlag.

[18] TALBOTT, W. A., Automatic creation of team-control plans using an assignment branch in genetic programming, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 201–212, Seattle, WA, USA, 2004, Springer-Verlag.

[19] TANEV, I. et al., Implications of epigenetic learning via modification of histones on performance of genetic programming, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 213–224, Seattle, WA, USA, 2004, Springer-Verlag.

[20] PULIDO, G. T. et al., Using clustering techniques to improve the performance of a multi-objective particle swarm optimizer, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 225–237, Seattle, WA, USA, 2004, Springer-Verlag.

[21] XIE, X.-F. et al., Swaf: Swarm algorithm framework for numerical optimization, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 238–250, Seattle, WA, USA, 2004, Springer-Verlag.

[22] BERRO, A. et al., Autonomous agent for multi-objective optimization, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 251–252, Seattle, WA, USA, 2004, Springer-Verlag.

[23] CHITTY, D. M., An evolved autonomous controller for satellite task scheduling, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 253–254, Seattle, WA, USA, 2004, Springer-Verlag.

[24] DIGNUM, S. et al., Multi-agent foreign exchange market modelling via gp, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 255–256, Seattle, WA, USA, 2004, Springer-Verlag.

[25] DREWES, R. et al., An evolutionary autonomous agent with visual cortex and recurrent spiking columnar neural network, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 257–258, Seattle, WA, USA, 2004, Springer-Verlag.

[26] GÓMEZ, O. et al., Arguments for aco's success, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 259–260, Seattle, WA, USA, 2004, Springer-Verlag.

[27] XIE, X.-F. et al., Solving engineering design problems by social cognitive optimization, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 261–262, Seattle, WA, USA, 2004, Springer-Verlag.

[28] DOZIER, G. et al., Vulnerability analysis of immunity-based intrusion detection systems using evolutionary hackers, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 263–274, Seattle, WA, USA, 2004, Springer-Verlag.

[29] HANG, X. et al., Constructing detectors in schema complementary space for anomaly detection, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 275–286, Seattle, WA, USA, 2004, Springer-Verlag.

[30] JI, Z. et al., Real-valued negative selection algorithm with variable-sized detectors, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 287–298, Seattle, WA, USA, 2004, Springer-Verlag.

[31] STIBOR, T. et al., An investigation of r-chunk detector generation on higher alphabets, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 299–307, Seattle, WA, USA, 2004, Springer-Verlag.

[32] TIMMIS, J. et al., A comment on opt-ainet: An immune network algorithm for optimisation, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 308–317, Seattle, WA, USA, 2004, Springer-Verlag.

[33] QIANG QI, Z. et al., A novel immune feedback control algorithm and its applications, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 318–320, Seattle, WA, USA, 2004, Springer-Verlag.

[34] BELDA, I. et al., Computer-aided peptide evolution for virtual drug design, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 321–332, Seattle, WA, USA, 2004, Springer-Verlag.

[35] BONGARD, J. C. et al., Automating genetic network inference with minimal physical experimentation using coevolution, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 333–345, Seattle, WA, USA, 2004, Springer-Verlag.

[36] KIM, Y.-H. et al., A genetic approach for gene selection on microarray expression data, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 346–355, Seattle, WA, USA, 2004, Springer-Verlag.

[37] KODURU, P. et al., Fuzzy dominance based multi-objective ga-simplex hybrid algorithms applied to gene network models, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 356–367, Seattle, WA, USA, 2004, Springer-Verlag.

[38] DE MAGALHÄES, C. S. et al., Selection-insertion schemes in genetic algorithms for the flexible ligand docking problem, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 368–379, Seattle, WA, USA, 2004, Springer-Verlag.

[39] MAURI, G. et al., A ga approach to the definition of regulatory signals in genomic sequences, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 380–391, Seattle, WA, USA, 2004, Springer-Verlag.

[40] MOORE, J. H. et al., Systems biology modeling in human genetics using petri nets and grammatical evolution, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 392–401, Seattle, WA, USA, 2004, Springer-Verlag.

[41] PARSOPOULOS, K. et al., Evolutionary computation techniques for optimizing fuzzy cognitive maps in radiation therapy systems, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 402–413, Seattle, WA, USA, 2004, Springer-Verlag.

[42] PAUL, T. K. et al., Identification of informative genes for molecular classification using probabilistic model building genetic algorithm, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 414–425, Seattle, WA, USA, 2004, Springer-Verlag.

[43] PETERSON, M. R. et al., Ga-facilitated knowledge discovery and pattern recognition optimization applied to the biochemistry of protein solvation, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 426–437, Seattle, WA, USA, 2004, Springer-Verlag.

[44] RITCHIE, M. D. et al., Genetic programming neural networks as a bioinformatics tool for human genetics, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 438–448, Seattle, WA, USA, 2004, Springer-Verlag.

[45] SHENEMAN, L. et al., Evolving better multiple sequence alignments, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 449–460, Seattle, WA, USA, 2004, Springer-Verlag.

[46] SPIETH, C. et al., Optimizing topology and parameters of gene regulatory network models from time-series experiments, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 461–470, Seattle, WA, USA, 2004, Springer-Verlag.

[47] STREICHERT, F. et al., Comparing genetic programming and evolution strategies on inferring gene regulatory networks, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 471–480, Seattle, WA, USA, 2004, Springer-Verlag.

[48] YANG, J.-M. et al., An evolutionary approach with pharmacophore-based scoring functions for virtual database screening, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 481–492, Seattle, WA, USA, 2004, Springer-Verlag.

[49] AGUILAR-RUIZ, J. S. et al., Statistical test-based evolutionary segmentation of yeast genome, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 493–494, Seattle, WA, USA, 2004, Springer-Verlag.

[50] BUEHLER, E. C. et al., Equilibrium and extinction in a trisexual diploid mating system: An investigation, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 495–496, Seattle, WA, USA, 2004, Springer-Verlag.

[51] BURNS, D. J. et al., On parameterizing models of antigen-antibody binding dynamics on surfaces: A genetic algorithm approach and the need for speed, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 497–498, Seattle, WA, USA, 2004, Springer-Verlag.

[52] JUST, W. et al., Is the predicted ess in the sequential assessment game evolvable?, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 499–500, Seattle, WA, USA, 2004, Springer-Verlag.

[53] BUCCI, A. et al., Automated extraction of problem structure, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 501–512, Seattle, WA, USA, 2004, Springer-Verlag.

[54] CHANG, M. et al., Modeling coevolutionary genetic algorithms on two-bit landscapes: Random partnering, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 513–524, Seattle, WA, USA, 2004, Springer-Verlag.

[55] DE JONG, E. D., The incremental pareto-coevolution archive, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 525–536, Seattle, WA, USA, 2004, Springer-Verlag.

[56] IORIO, A. W. et al., A cooperative coevolutionary multiobjective algorithm using non-dominated sorting, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 537–548, Seattle, WA, USA, 2004, Springer-Verlag.

[57] LIEKENS, A. M. et al., Predicting genetic drift in 2x2 games, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 549–560, Seattle, WA, USA, 2004, Springer-Verlag.

[58] PALACIOS-DURAZO, R. A. et al., Similarities between co-evolution and learning classifier systems and their applications, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 561–572, Seattle, WA, USA, 2004, Springer-Verlag.

[59] PANAIT, L. et al., A sensitivity analysis of a cooperative coevolutionary algorithm biased for optimization, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 573–584, Seattle, WA, USA, 2004, Springer-Verlag.

[60] BADER-NATAL, A. et al., A population-differential method of monitoring success and failure in coevolution, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 585–586, Seattle, WA, USA, 2004, Springer-Verlag.

[61] NADIMI, S. et al., Cooperative coevolution fusion for moving object detection, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 587–589, Seattle, WA, USA, 2004, Springer-Verlag.

[62] INOUE, Y. et al., Learning to acquire autonomous behavior: Cooperation by humanoid robots, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 590–602, Seattle, WA, USA, 2004, Springer-Verlag.

[63] PAINE, R. W. et al., Evolved motor primitives and sequences in a hierarchical recurrent neural network, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 603–614, Seattle, WA, USA, 2004, Springer-Verlag.

[64] PIRES, E. S. et al., Robot trajectory planning using multi-objective genetic algorithm optimization, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 615–626, Seattle, WA, USA, 2004, Springer-Verlag.

[65] TANEV, I. et al., Evolution, robustness, and adaptation of sidewinding locomotion of simulated snake-like robot, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 627–639, Seattle, WA, USA, 2004, Springer-Verlag.

[66] MANIADAKIS, M. et al., Evolution tunes coevolution: Modelling robot cognition mechanisms, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 640–641, Seattle, WA, USA, 2004, Springer-Verlag.

[67] ALBRECHT, A. A., On the complexity to approach optimum solutions by inhomogeneous markov chains, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 642–653, Seattle, WA, USA, 2004, Springer-Verlag.

[68] BEYER, H.-G., Actuator noise in recombinant evolution strategies on general quadratic fitness models, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 654–665, Seattle, WA, USA, 2004, Springer-Verlag.

[69] CLEVENGER, L. M. et al., Convergence examples of a filter-based evolutionary algorithm, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 666–677, Seattle, WA, USA, 2004, Springer-Verlag.

[70] DELBEM, A. et al., Node-depth encoding for evolutionary algorithms applied to network design, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 678–687, Seattle, WA, USA, 2004, Springer-Verlag.

[71] JIN, Y. et al., Reducing fitness evaluations using clustering techniques and neural network ensembles, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 688–699, Seattle, WA, USA, 2004, Springer-Verlag.

[72] MEZURA-MONTES, E. et al., An improved diversity mechanism for solving constrained optimization problems using a multimembered evolution strategy, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 700–712, Seattle, WA, USA, 2004, Springer-Verlag.

[73] NEUMANN, F. et al., Randomized local search, evolutionary algorithms, and the minimum spanning tree problem, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 713–724, Seattle, WA, USA, 2004, Springer-Verlag.

[74] ROWE, J. E. et al., An evolution strategy using a continuous version of the gray-code neighbourhood distribution, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 725–736, Seattle, WA, USA, 2004, Springer-Verlag.

[75] SHU, L.-S. et al., A novel multi-objective orthogonal simulated annealing algorithm for solving multi-objective optimization problems with a large number of parameters, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 737–747, Seattle, WA, USA, 2004, Springer-Verlag.

[76] STORCH, T., On the choice of the population size, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 748–760, Seattle, WA, USA, 2004, Springer-Verlag.

[77] WITT, C., An analysis of the (1+1) ea on simple pseudo-boolean functions, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 761–773, Seattle, WA, USA, 2004, Springer-Verlag.

[78] YANAI, K. et al., Program evolution by integrating edp and gp, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 774–785, Seattle, WA, USA, 2004, Springer-Verlag.

[79] BERLIK, S., A step size preserving directed mutation operator, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 786–787, Seattle, WA, USA, 2004, Springer-Verlag.

[80] GROSAN, C., A comparison of several algorithms and representations for single objective optimization, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 788–789, Seattle, WA, USA, 2004, Springer-Verlag.

[81] JAKOB, W. et al., Towards a generally applicable self-adapting hybridization of evolutionary algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 790–791, Seattle, WA, USA, 2004, Springer-Verlag.

[82] KEYMEULEN, D. et al., High temperature experiments for circuit self-recovery, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 792–803, Seattle, WA, USA, 2004, Springer-Verlag.

[83] RIEFFEL, J. et al., The emergence of ontogenic scaffolding in a stochastic development environment, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 804–815, Seattle, WA, USA, 2004, Springer-Verlag.

[84] THOMA, Y. et al., A reconfigurable chip for evolvable hardware, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 816–827, Seattle, WA, USA, 2004, Springer-Verlag.

[85] AGUILAR-RUIZ, J. et al., Experimental evaluation of discretization schemes for rule induction, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 828–839, Seattle, WA, USA, 2004, Springer-Verlag.

[86] AHN, C. W. et al., Real-coded bayesian optimization algorithm: Bringing the strength of boa into the continuous world, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 840–851, Seattle, WA, USA, 2004, Springer-Verlag.

[87] ALBA, E. et al., Training neural networks with ga hybrid algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 852–863, Seattle, WA, USA, 2004, Springer-Verlag.

[88] ALBA, E. et al., Growth curves and takeover time in distributed evolutionary algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 864–876, Seattle, WA, USA, 2004, Springer-Verlag.

[89] APORNTEWAN, C. et al., Simultaneity matrix for solving hierarchically decomposable functions, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 877–888, Seattle, WA, USA, 2004, Springer-Verlag.

[90] ARAUJO, L. et al., Metaheuristics for natural language tagging, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 889–900, Seattle, WA, USA, 2004, Springer-Verlag.

[91] BALLESTER, P. J. et al., An effective real-parameter genetic algorithm with parent centric normal crossover for multimodal optimisation, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 901–913, Seattle, WA, USA, 2004, Springer-Verlag.

[92] BASSETT, J. K. et al., Looking under the ea hood with price's equation, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 914–922, Seattle, WA, USA, 2004, Springer-Verlag.

[93] BRANKE, J. et al., Distribution of evolutionary algorithms in heterogeneous networks, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 923–934, Seattle, WA, USA, 2004, Springer-Verlag.

[94] BUYUKBOZKIRLI, B. et al., A statistical model of ga dynamics for the onemax problem, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 935–946, Seattle, WA, USA, 2004, Springer-Verlag.

[95] CANTÚ-PAZ, E., Adaptive sampling for noisy problems, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 947–958, Seattle, WA, USA, 2004, Springer-Verlag.

[96] CANTÚ-PAZ, E., Feature subset selection, class separability, and genetic algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 959–970, Seattle, WA, USA, 2004, Springer-Verlag.

[97] PING CHEN, Y. et al., Introducing subchromosome representations to the linkage learning genetic algorithm, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 971–982, Seattle, WA, USA, 2004, Springer-Verlag.

[98] CHENG, C. D. et al., Interactive one-max problem allows to compare the performance of interactive and human-based genetic algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 983–993, Seattle, WA, USA, 2004, Springer-Verlag.

[99] CHOI, S.-S. et al., Polynomial approximation of survival probabilities under multi-point crossover, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 994–1005, Seattle, WA, USA, 2004, Springer-Verlag.

[100] CHOW, R., Genotype to phenotype mappings with a multiple-chromosome genetic algorithm, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1006–1017, Seattle, WA, USA, 2004, Springer-Verlag.

[101] CHRYSSOMALAKOS, C. et al., What basis for genetic dynamics?, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1018–1029, Seattle, WA, USA, 2004, Springer-Verlag.

[102] DE JONG, E. D. et al., Exploiting modularity, hierarchy, and repetition in variable-length problems, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1030–1041, Seattle, WA, USA, 2004, Springer-Verlag.

[103] DEB, K. et al., Optimal operating conditions for overhead crane maneuvering using multi-objective evolutionary algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1042–1053, Seattle, WA, USA, 2004, Springer-Verlag.

[104] DEB, K. et al., Efficiently solving: A large-scale integer linear program using a customized genetic algorithm, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1054–1065, Seattle, WA, USA, 2004, Springer-Verlag.

[105] DICKE, E. et al., Using a genetic algorithm to design and improve storage area network architectures, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1066–1077, Seattle, WA, USA, 2004, Springer-Verlag.

[106] DOZIER, G. et al., Distributed constraint satisfaction, restricted recombination, and hybrid genetic search, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1078–1087, Seattle, WA, USA, 2004, Springer-Verlag.

[107] DROSTE, S., Analysis of the (1 + 1) ea for a noisy onemax, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1088–1099, Seattle, WA, USA, 2004, Springer-Verlag.

[108] FISCHER, S., A polynomial upper bound for a mutation-based algorithm on the two-dimensional ising model, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1100–1112, Seattle, WA, USA, 2004, Springer-Verlag.

[109] FISCHER, S. et al., The ising model on the ring: Mutation versus recombination, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1113–1124, Seattle, WA, USA, 2004, Springer-Verlag.

[110] GARIBAY, I. I. et al., Effects of module encapsulation in repetitively modular genotypes on the search space, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1125–1137, Seattle, WA, USA, 2004, Springer-Verlag.

[111] GIACOBINI, M. et al., Modeling selection intensity for toroidal cellular evolutionary algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1138–1149, Seattle, WA, USA, 2004, Springer-Verlag.

[112] GOMEZ, J., Evolution of fuzzy rule based classifiers, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1150–1161, Seattle, WA, USA, 2004, Springer-Verlag.

[113] GOMEZ, J., Self adaptation of operator rates in evolutionary algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1162–1173, Seattle, WA, USA, 2004, Springer-Verlag.

[114] GRAHL, J. et al., Polyeda: Combining estimation of distribution algorithms and linear inequality constraints, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1174–1185, Seattle, WA, USA, 2004, Springer-Verlag.

[115] GRAJDEANU, A. et al., Improving the locality properties of binary representations, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1186–1196, Seattle, WA, USA, 2004, Springer-Verlag.

[116] GREENE, W. A., Schema disruption in chromosomes that are structured as binary trees, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1197–1207, Seattle, WA, USA, 2004, Springer-Verlag.

[117] HOWARD, B. et al., The royal road not taken: A re-examination of the reasons for ga failure on r1, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1208–1219, Seattle, WA, USA, 2004, Springer-Verlag.

[118] HU, J. et al., Robust and efficient genetic algorithms with hierarchical niching and a sustainable evolutionary computation model, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1220–1232, Seattle, WA, USA, 2004, Springer-Verlag.

[119] HUANG, C.-F. et al., A systematic study of genetic algorithms with genotype editing, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1233–1245, Seattle, WA, USA, 2004, Springer-Verlag.

[120] ISHIBUCHI, H. et al., Some issues on the implementation of local search in evolutionary multiobjective optimization, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1246–1258, Seattle, WA, USA, 2004, Springer-Verlag.

[121] ISHIBUCHI, H. et al., Mating scheme for controlling the diversity-convergence balance for multiobjective optimization, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1259–1271, Seattle, WA, USA, 2004, Springer-Verlag.

[122] JULSTROM, B. A., Encoding bounded-diameter spanning trees with permutations and with random keys, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1272–1281, Seattle, WA, USA, 2004, Springer-Verlag.

[123] JULSTROM, B. A. et al., Three evolutionary codings of rectilinear steiner arborescences, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1282–1291, Seattle, WA, USA, 2004, Springer-Verlag.

[124] JUNG, S. et al., Central point crossover for neuro-genetic hybrids, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1292–1303, Seattle, WA, USA, 2004, Springer-Verlag.

[125] KLAU, G. W. et al., Combining a memetic algorithm with integer programming to solve the prize-collecting steiner tree problem, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1304–1315, Seattle, WA, USA, 2004, Springer-Verlag.

[126] LANGEHEINE, J. et al., On the evolution of analog electronic circuits using building blocks on a cmos fpta, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1316–1327, Seattle, WA, USA, 2004, Springer-Verlag.

[127] LIMA, C. F. et al., Parameter-less optimization with the extended compact genetic algorithm and iterated local search, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1328–1339, Seattle, WA, USA, 2004, Springer-Verlag.

[128] LUNACEK, M. et al., Comparing search algorithms for the temperature inversion problem, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1340–1351, Seattle, WA, USA, 2004, Springer-Verlag.

[129] MENON, A., Inequality's arrow: The role of greed and order in genetic algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1352–1364, Seattle, WA, USA, 2004, Springer-Verlag.

[130] MILES, C. et al., Trap avoidance in strategic computer game playing with case injected genetic algorithms, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1365–1376, Seattle, WA, USA, 2004, Springer-Verlag.

[131] MORAGLIO, A. et al., Topological interpretation of crossover, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1377–1388, Seattle, WA, USA, 2004, Springer-Verlag.

[132] MUMFORD, C. L., Simple population replacement strategies for a steady-state multi-objective evolutionary algorithm, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1389–1400, Seattle, WA, USA, 2004, Springer-Verlag.

[133] NASRAOUI, O. et al., Dynamic and scalable evolutionary data mining: An approach based on a self-adaptive multiple expression mechanism, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1401–1413, Seattle, WA, USA, 2004, Springer-Verlag.

[134] NICOLAU, M. et al., Crossover, population dynamics, and convergence in the gauge system, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1414–1425, Seattle, WA, USA, 2004, Springer-Verlag.

[135] OHNISHI, K. et al., Inducing sequentiality using grammatical genetic codes, in *Genetic and Evolutionary Computation – GECCO-2004, Part I*, edited by DEB, K. et al., volume 3102 of *Lecture Notes in Computer Science*, pages 1426–1437, Seattle, WA, USA, 2004, Springer-Verlag.