Список литературы

[1] Bin Azhar, M. H. et al., Criticality dispersion in swarms to optimize n-tuples, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1–8, Atlanta, GA, USA, 2008, ACM.

[2] de Franca, F. O. et al., Multivariate ant colony optimization in continuous search spaces, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 9–16, Atlanta, GA, USA, 2008, ACM.

[3] de Marcos, L. et al., Swarm intelligence in e-learning: a learning object sequencing agent based on competencies, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 17–24, Atlanta, GA, USA, 2008, ACM.

[4] DRIES, E. J. et al., Scaling ant colony optimization with hierarchical reinforcement learning partitioning, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 25–32, Atlanta, GA, USA, 2008, ACM.

[5] HäCKEL, S. et al., A multi-objective ant colony approach for pareto-optimization using dynamic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 33–40, Atlanta, GA, USA, 2008, ACM.

[6] HOWDEN, D. et al., Collective intelligence and bush fire spotting, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 41–48, Atlanta, GA, USA, 2008, ACM.

[7] JORDAN, J. et al., Social interaction in particle swarm optimization, the ranked fips, and adaptive multi-swarms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 49–56, Atlanta, GA, USA, 2008, ACM.

[8] KLAMARGIAS, A. D. et al., Particle filtering with particle swarm optimization in systems with multiplicative noise, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 57–62, Atlanta, GA, USA, 2008, ACM.

[9] MAZHAR, N. et al., A sense of danger: dendritic cells inspired artificial immune system for manet security, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 63–70, Atlanta, GA, USA, 2008, ACM.

[10] Montes de Oca, M. A. et al., Convergence behavior of the fully informed particle swarm optimization algorithm, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 71–78, Atlanta, GA, USA, 2008, ACM.

[11] OSTASZEWSKI, M. et al., Denial of service detection and analysis using idiotypic networks paradigm, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 79–86, Atlanta, GA, USA, 2008, ACM.

[12] PANT, M. et al., A new quantum behaved particle swarm optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 87–94, Atlanta, GA, USA, 2008, ACM.

[13] JORGE PE N., Theoretical and empirical study of particle swarms with additive stochasticity and different recombination operators, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 95–102, Atlanta, GA, USA, 2008, ACM.

[14] SALEEM, M. et al., A formal performance modeling framework for bio-inspired ad hoc routing protocols, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 103–110, Atlanta, GA, USA, 2008, ACM.

[15] SALEHI-ABARI, A. et al., Enhanced generalized ant programming (egap), in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 111–118, Atlanta, GA, USA, 2008, ACM.

[16] SHAFIQ, M. Z. et al., Improving accuracy of immune-inspired malware detectors by using intelligent features, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 119–126, Atlanta, GA, USA, 2008, ACM.

[17] STIBOR, T., Discriminating self from non-self with finite mixtures of multivariate bernoulli distributions, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 127–134, Atlanta, GA, USA, 2008, ACM.

[18] SUDHOLT, D. et al., Runtime analysis of binary pso, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 135–142, Atlanta, GA, USA, 2008, ACM.

[19] von Mammen, S. et al., Evolutionary swarm design of architectural idea models, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 143–150, Atlanta, GA, USA, 2008, ACM.

[20] YU, H., Optimizing task schedules using an artificial immune system approach, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 151–158, Atlanta, GA, USA, 2008, ACM.

[21] AHMADI, A. et al., Particle swarm clustering ensemble, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 159–160, Atlanta, GA, USA, 2008, ACM.

[22] AWAIS, A. et al., Attack analysis & bio-inspired security framework for ip multimedia subsystem, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 161–162, Atlanta, GA, USA, 2008, ACM.

[23] CHIRA, C. et al., Heterogeneous sensitive ant model for combinatorial optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 163–164, Atlanta, GA, USA, 2008, ACM.

[24] ZHANG, J. et al., Allocation of local and global search capabilities of particle in canonical pso, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 165–166, Atlanta, GA, USA, 2008, ACM.

[25] ZHANG, J. et al., Magnifier particle swarm optimization for numerical optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 167–168, Atlanta, GA, USA, 2008, ACM.

[26] de Melo, E. B. B. et al., Modeling ant colony foraging in dynamic and confined environment, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 169–176, Atlanta, GA, USA, 2008, ACM.

[27] BARLOW, G. J. et al., Evolving cooperative control on sparsely distributed tasks for uav teams without global communication, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 177–184, Atlanta, GA, USA, 2008, ACM.

[28] BECKMANN, B. E. et al., Selection for group-level efficiency leads to self-regulation of population size, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 185–192, Atlanta, GA, USA, 2008, ACM.

[29] BORNHOFEN, S. et al., On hopeful monsters, neutral networks and junk code in evolving l-systems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 193–200, Atlanta, GA, USA, 2008, ACM.

[30] CAMPBELL, A. et al., Multi-agent task allocation: learning when to say no, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 201–208, Atlanta, GA, USA, 2008, ACM.

[31] GRABOWSKI, L. M. et al., On the evolution of motility and intelligent tactic response, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 209–216, Atlanta, GA, USA, 2008, ACM.

[32] KNOESTER, D. B. et al., Cooperative network construction using digital germlines, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 217–224, Atlanta, GA, USA, 2008, ACM.

[33] van Krevelen, D. W. F. et al., Neuro-evolution for a gathering and collective construction task, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 225–232, Atlanta, GA, USA, 2008, ACM.

[34] NITSCHKE, G. et al., Designing multi-rover emergent specialization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 233–240, Atlanta, GA, USA, 2008, ACM.

[35] PAYNE, J. L. et al., The influence of scaling and assortativity on takeover times in scale-free topologies, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 241–248, Atlanta, GA, USA, 2008, ACM.

[36] SMALDON, J. et al., A multi-scaled approach to artificial life simulation with p systems and dissipative particle dynamics, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 249–256, Atlanta, GA, USA, 2008, ACM.

[37] TANEV, I. et al., Co-evolution of active sensing and locomotion gaits of simulated snake-like robot, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 257–264, Atlanta, GA, USA, 2008, ACM.

[38] VALSALAM, V. K. et al., Modular neuroevolution for multilegged locomotion, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 265–272, Atlanta, GA, USA, 2008, ACM.

[39] VULLI, S. S. et al., Individual-based artificial ecosystems for design and optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 273–280, Atlanta, GA, USA, 2008, ACM.

[40] CUSSAT-BLANC, S. et al., Genetic algorithms and grid computing for artificial embryogeny, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 281–282, Atlanta, GA, USA, 2008, ACM.

[41] GOTSHALL, S. et al., Evolving stable behavior in a spino-neuromuscular system model, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 283–284, Atlanta, GA, USA, 2008, ACM.

[42] JUNG, J.-Y. et al., Nested evolution of an autonomous agent using descriptive encoding, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 285–286, Atlanta, GA, USA, 2008, ACM.

[43] KRAH, P., Towards efficient evolution of morphology and control, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 287–288, Atlanta, GA, USA, 2008, ACM.

[44] MCGINLEY, B. et al., Reconfigurable analogue hardware evolution of adaptive spiking neural network controllers, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 289–290, Atlanta, GA, USA, 2008, ACM.

[45] RAHMANI, A. T. et al., Ein-wum: an ais-based algorithm for web usage mining, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 291–292, Atlanta, GA, USA, 2008, ACM.

[46] SEO, K. et al., Genetic programming based automatic gait generation for quadruped robots, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 293–294, Atlanta, GA, USA, 2008, ACM.

[47] TRENDELENBURG, S. et al., A gp algorithm for efficient synthesis of gm-c filters on a hexagonal fpaa structure, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 295–296, Atlanta, GA, USA, 2008, ACM.

[48] TRUJILLO, L. et al., Behavior-based speciation for evolutionary robotics, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 297–298, Atlanta, GA, USA, 2008, ACM.

[49] CLAYTON, T. F. et al., Rapid evaluation and evolution of neural models using graphics card hardware, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 299–306, Atlanta, GA, USA, 2008, ACM.

[50] ESMAEILI, A. et al., Evolution of discrete gene regulatory models, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 307–314, Atlanta, GA, USA, 2008, ACM.

[51] GOEFFON, A. et al., An efficient probabilistic population-based descent for the median genome problem, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 315–322, Atlanta, GA, USA, 2008, ACM.

[52] PIRKWIESER, S. et al., Finding consensus trees by evolutionary, variable neighborhood search, and hybrid algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 323–330, Atlanta, GA, USA, 2008, ACM.

[53] ROMERO-CAMPERO, F. J. et al., Structure and parameter estimation for cell systems biology models, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 331–338, Atlanta, GA, USA, 2008, ACM.

[54] URBANOWICZ, R. J. et al., Mask functions for the symbolic modeling of epistasis using genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 339–346, Atlanta, GA, USA, 2008, ACM.

[55] GARCIA, B. et al., Protein-protein functional association prediction using genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 347–348, Atlanta, GA, USA, 2008, ACM.

[56] GONČALVES, R. et al., Warping search: a new metaheuristic applied to the protein structure prediction, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 349–350, Atlanta, GA, USA, 2008, ACM.

[57] GREENE, C. S. et al., Using expert knowledge in initialization for genome-wide analysis of epistasis using genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 351–352, Atlanta, GA, USA, 2008, ACM.

[58] HARDISON, N. E. et al., A balanced accuracy fitness function leads to robust analysis using grammatical evolution neural networks in the case of class imbalance, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 353–354, Atlanta, GA, USA, 2008, ACM.

[59] JAśKOWSKI, W. et al., Fitnessless coevolution, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 355–362, Atlanta, GA, USA, 2008, ACM.

[60] LICHODZIJEWSKI, P. et al., Managing team-based problem solving with symbiotic bid-based genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 363–370, Atlanta, GA, USA, 2008, ACM.

[61] SERVICE, T. C. et al., A no-free-lunch framework for coevolution, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 371–378, Atlanta, GA, USA, 2008, ACM.

[62] SHI, M., An empirical comparison of evolution and coevolution for designing artificial neural network game players, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 379–386, Atlanta, GA, USA, 2008, ACM.

[63] SERVICE, T. C. et al., Co-optimization algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 387–388, Atlanta, GA, USA, 2008, ACM.

[64] YANG, L. et al., A coevolution archive based on problem dimension, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 389–390, Atlanta, GA, USA, 2008, ACM.

[65] CHUANG, C.-Y. et al., On the effectiveness of distributions estimated by probabilistic model building, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 391–398, Atlanta, GA, USA, 2008, ACM.

[66] FERNANDES, C. M. et al., Umdas for dynamic optimization problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 399–406, Atlanta, GA, USA, 2008, ACM.

[67] GáMEZ, J. A. et al., Improved edna (estimation of dependency networks algorithm) using combining function with bivariate probability distributions, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 407–414, Atlanta, GA, USA, 2008, ACM.

[68] HAUSCHILD, M. W. et al., Using previous models to bias structural learning in the hierarchical boa, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 415–422, Atlanta, GA, USA, 2008, ACM.

[69] ICLANZAN, D. et al., Going for the big fishes: discovering and combining large neutral and massively multimodal building-blocks with model based macro-mutation, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 423–430, Atlanta, GA, USA, 2008, ACM.

[70] LIMA, C. F. et al., From mating pool distributions to model overfitting, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 431–438, Atlanta, GA, USA, 2008, ACM.

[71] LIMA, C. F. et al., Investigating restricted tournament replacement in ecga for non-stationary environments, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 439–446, Atlanta, GA, USA, 2008, ACM.

[72] PELIKAN, M. et al., Finding ground states of sherrington-kirkpatrick spin glasses with hierarchical boa and genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 447–454, Atlanta, GA, USA, 2008, ACM.

[73] PELIKAN, M. et al., iboa: the incremental bayesian optimization algorithm, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 455–462, Atlanta, GA, USA, 2008, ACM.

[74] BROWNLEE, A. E. et al., An application of a multivariate estimation of distribution algorithm to cancer chemotherapy, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 463–464, Atlanta, GA, USA, 2008, ACM.

[75] BROWNLEE, A. E. et al., Optimisation and fitness modelling of bio-control in mushroom farming using a markov network eda, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 465–466, Atlanta, GA, USA, 2008, ACM.

[76] DUQUE, T. S. et al., Improving the efficiency of the extended compact genetic algorithm, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 467–468, Atlanta, GA, USA, 2008, ACM.

[77] HERNáNDEZ-AGUIRRE, A. et al., An estimation distribution algorithm with the spearman's rank correlation index, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 469–470, Atlanta, GA, USA, 2008, ACM.

[78] HONG, Y. et al., Data clustering using virtual population based incremental learning algorithm with similarity matrix encoding strategy, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 471–472, Atlanta, GA, USA, 2008, ACM.

[79] MAYORGA-ALVAREZ, P. P. et al., The directional eda for global optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 473–474, Atlanta, GA, USA, 2008, ACM.

[80] SHAKYA, S. et al., An eda based on local markov property and gibbs sampling, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 475–476, Atlanta, GA, USA, 2008, ACM.

[81] VALDEZ, S. I. et al., Designing edas by using the elitist convergent eda concept and the boltzmann distribution, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 477–478, Atlanta, GA, USA, 2008, ACM.

[82] AKIMOTO, Y. et al., Functionally specialized cma-es: a modification of cma-es based on the specialization of the functions of covariance matrix adaptation and step size adaptation, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 479–486, Atlanta, GA, USA, 2008, ACM.

[83] BEYER, H.-G. et al., Mutative σ-self-adaptation can beat cumulative step size adaptation when using weighted recombination, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 487–494, Atlanta, GA, USA, 2008, ACM.

[84] CAAMANO, P. et al., Application domain study of evolutionary algorithms in optimization problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 495–502, Atlanta, GA, USA, 2008, ACM.

[85] JäGERSKüPPER, J. et al., Aiming for a theoretically tractable csa variant by means of empirical investigations, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 503–510, Atlanta, GA, USA, 2008, ACM.

[86] MEYER-NIEBERG, S. et al., Why noise may be good: additive noise on the sharp ridge, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 511–518, Atlanta, GA, USA, 2008, ACM.

[87] SHIR, O. M. et al., Performance analysis of derandomized evolution strategies in quantum control experiments, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 519–526, Atlanta, GA, USA, 2008, ACM.

[88] EPITROPAKIS, M. G. et al., Non-monotone differential evolution, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 527–528, Atlanta, GA, USA, 2008, ACM.

[89] JAMES, D., A comparison of speciation, extinction, and complexification in neuroevolution with and without selection pressure, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 529–530, Atlanta, GA, USA, 2008, ACM.

[90] JUNIOR, A. R. L. et al., A hybrid method for tuning neural network for time series forecasting, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 531–532, Atlanta, GA, USA, 2008, ACM.

[91] NICHOLSON, J. et al., Maintaining population diversity by maintaining family structures, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 533–534, Atlanta, GA, USA, 2008, ACM.

[92] STALPH, P. et al., Multiobjective evolution of a fuzzy controller in a sewage treatment plant, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 535–536, Atlanta, GA, USA, 2008, ACM.

[93] URFALIOGLU, O. et al., Levy walk evolution for global optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 537–538, Atlanta, GA, USA, 2008, ACM.

[94] DOERR, B. et al., Crossover can provably be useful in evolutionary computation, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 539–546, Atlanta, GA, USA, 2008, ACM.

[95] KUMAR, R. et al., Enhancing solution quality of the biobjective graph coloring problem using hybridization of ea: biobjective graph coloring problem, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 547–554, Atlanta, GA, USA, 2008, ACM.

[96] OCHOA, G. et al., A study of nk landscapes' basins and local optima networks, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 555–562, Atlanta, GA, USA, 2008, ACM.

[97] STEITZ, W. et al., Orientation matters: how to efficiently solve ocst problems with problem-specific eas, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 563–570, Atlanta, GA, USA, 2008, ACM.

[98] TERASHIMA-MARÍN, H. et al., Hyper-heuristics for the dynamic variable ordering in constraint satisfaction problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 571–578, Atlanta, GA, USA, 2008, ACM.

[99] TOYAMA, F. et al., An iterated greedy algorithm for the node placement problem in bidirectional manhattan street networks, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 579–584, Atlanta, GA, USA, 2008, ACM.

[100] WHITLEY, D. et al., Understanding elementary landscapes, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 585–592, Atlanta, GA, USA, 2008, ACM.

[101] YOON, Y. et al., Feasibility-preserving crossover for maximum k-coverage problem, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 593–598, Atlanta, GA, USA, 2008, ACM.

[102] ARAUJO, R. M. et al., Distributed problem solving by memetic networks: extended abstract, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 599–600, Atlanta, GA, USA, 2008, ACM.

[103] BADER-EL-DEN, M. B. et al., Evolving heuristics with genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 601–602, Atlanta, GA, USA, 2008, ACM.

[104] BORGULYA, I., A parallel evolutionary algorithm for unconstrained binary quadratic problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 603–604, Atlanta, GA, USA, 2008, ACM.

[105] BORSCHBACH, M. et al., A tabu history driven crossover operator design for memetic algorithm applied to max-2sat-problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 605–606, Atlanta, GA, USA, 2008, ACM.

[106] JULSTROM, B. A., An evolutionary algorithm for some cases of the single-source constrained plant location problem, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 607–608, Atlanta, GA, USA, 2008, ACM.

[107] KELLER, R. E. et al., Subheuristic search and scalability in a hyperheuristic, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 609–610, Atlanta, GA, USA, 2008, ACM.

[108] KHALED, A. et al., Greedy heuristics and evolutionary algorithms for the bounded minimum-label spanning tree problem, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 611–612, Atlanta, GA, USA, 2008, ACM.

[109] MAHDABI, P. et al., A multi-start quantum-inspired evolutionary algorithm for solving combinatorial optimization problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 613–614, Atlanta, GA, USA, 2008, ACM.

[110] QASEM, M. et al., Complexity of max-sat using stochastic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 615–616, Atlanta, GA, USA, 2008, ACM.

[111] AVIGAD, G. et al., Embedded evolutionary multi-objective optimization for worst case robustness, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 617–624, Atlanta, GA, USA, 2008, ACM.

[112] DATTA, D. et al., Graph partitioning through a multi-objective evolutionary algorithm: a preliminary study, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 625–632, Atlanta, GA, USA, 2008, ACM.

[113] DEB, K., A robust evolutionary framework for multi-objective optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 633–640, Atlanta, GA, USA, 2008, ACM.

[114] HOROBA, C. et al., Benefits and drawbacks for the use of epsilon-dominance in evolutionary multi-objective optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 641–648, Atlanta, GA, USA, 2008, ACM.

[115] ISHIBUCHI, H. et al., Effectiveness of scalability improvement attempts on the performance of nsga-ii for many-objective problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 649–656, Atlanta, GA, USA, 2008, ACM.

[116] KANOH, H. et al., Hybrid genetic algorithm for dynamic multi-objective route planning with predicted traffic in a real-world road network, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 657–664, Atlanta, GA, USA, 2008, ACM.

[117] LIZARRAGA-LIZARRAGA, G. et al., G-metric: an m-ary quality indicator for the evaluation of non-dominated sets, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 665–672, Atlanta, GA, USA, 2008, ACM.

[118] JAIMES, A. L. et al., Objective reduction using a feature selection technique, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 673–680, Atlanta, GA, USA, 2008, ACM.

[119] Dos Santos, E. M. et al., Pareto analysis for the selection of classifier ensembles, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 681–688, Atlanta, GA, USA, 2008, ACM.

[120] MARTÍ, L. et al., Introducing moneda: scalable multiobjective optimization with a neural estimation of distribution algorithm, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 689–696, Atlanta, GA, USA, 2008, ACM.

[121] PFEIFFER, J. et al., Reference point based multi-objective evolutionary algorithms for group decisions, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 697–704, Atlanta, GA, USA, 2008, ACM.

[122] SCHUETZE, O. et al., A new memetic strategy for the numerical treatment of multi-objective optimization problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 705–712, Atlanta, GA, USA, 2008, ACM.

[123] SCHUETZE, O. et al., Computing finite size representations of the set of approximate solutions of an mop with stochastic search algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 713–720, Atlanta, GA, USA, 2008, ACM.

[124] TALUKDER, A. K. A. et al., A pareto following variation operator for fast-converging multiobjective evolutionary algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 721–728, Atlanta, GA, USA, 2008, ACM.

[125] TIWARI, S. et al., Amga: an archive-based micro genetic algorithm for multi-objective optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 729–736, Atlanta, GA, USA, 2008, ACM.

[126] ULRICH, T. et al., Pattern identification in pareto-set approximations, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 737–744, Atlanta, GA, USA, 2008, ACM.

[127] WICKRAMASINGHE, U. K. et al., Integrating user preferences with particle swarms for multi-objective optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 745–752, Atlanta, GA, USA, 2008, ACM.

[128] AVIGAD, G. et al., Solving constrained multi-objective problems by objective space analysis, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 753–754, Atlanta, GA, USA, 2008, ACM.

[129] GAMHEWA, S. et al., Testing parallelization paradigms for moeas, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 755–756, Atlanta, GA, USA, 2008, ACM.

[130] LEON, C. et al., Parallel hyperheuristic: a self-adaptive island-based model for multi-objective optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 757–758, Atlanta, GA, USA, 2008, ACM.

[131] LIZáRRAGA-LIZáRRAGA, G. et al., On the possibility to create a compatible–complete unary comparison method for evolutionary multiobjective algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 759–760, Atlanta, GA, USA, 2008, ACM.

[132] LUST, T., Speed-up techniques for solving large-scale btsp with the two-phase pareto local search, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 761–762, Atlanta, GA, USA, 2008, ACM.

[133] SANTANA-QUINTERO, L. V. et al., Hybridizing surrogate techniques, rough sets and evolutionary algorithms to efficiently solve multi-objective optimization problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 763–764, Atlanta, GA, USA, 2008, ACM.

[134] PIRES, E. J. S. et al., Single-objective front optimization: application to rf circuit design, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 765–766, Atlanta, GA, USA, 2008, ACM.

[135] WEN, F. et al., A novel approach to route selection in car navigation systems by a multiobjective genetic algorithm, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 767–768, Atlanta, GA, USA, 2008, ACM.

[136] MARTÍNEZ, S. Z. et al., Hybridizing an evolutionary algorithm with mathematical programming techniques for multi-objective optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 769–770, Atlanta, GA, USA, 2008, ACM.

[137] DIETZFELBINGER, M. et al., Precision, local search and unimodal functions, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 771–778, Atlanta, GA, USA, 2008, ACM.

[138] NEUMANN, F. et al., Computing minimum cuts by randomized search heuristics, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 779–786, Atlanta, GA, USA, 2008, ACM.

[139] WEISE, T. et al., A tunable model for multi-objective, epistatic, rugged, and neutral fitness landscapes, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 795–802, Atlanta, GA, USA, 2008, ACM.

[140] WEYLAND, D., Simulated annealing, its parameter settings and the longest common subsequence problem, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 803–810, Atlanta, GA, USA, 2008, ACM.

[141] WHITLEY, D. et al., Focused no free lunch theorems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 811–818, Atlanta, GA, USA, 2008, ACM.

[142] D'AMBROSIO, D. B. et al., Generative encoding for multiagent learning, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 819–826, Atlanta, GA, USA, 2008, ACM.

[143] KHEMKA, N. et al., Evolutionary design of dynamic swarmscapes, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 827–834, Atlanta, GA, USA, 2008, ACM.

[144] KOMATSU, H. et al., An evolvability-enhanced artificial embryogeny for generating network structures, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 835–842, Atlanta, GA, USA, 2008, ACM.

[145] KOWALIW, T., Measures of complexity for artificial embryogeny, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 843–850, Atlanta, GA, USA, 2008, ACM.

[146] STEINER, T. et al., A cellular model for the evolutionary development of lightweight material with an inner structure, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 851–858, Atlanta, GA, USA, 2008, ACM.

[147] TUFTE, G., Phenotypic, developmental and computational resources: scaling in artificial development, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 859–866, Atlanta, GA, USA, 2008, ACM.

[148] CLUNE, J. et al., How generative encodings fare on less regular problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 867–868, Atlanta, GA, USA, 2008, ACM.

[149] JIANG, F. et al., Unsupervised learning of echo state networks: balancing the double pole, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 869–870, Atlanta, GA, USA, 2008, ACM.

[150] YOGEV, O. et al., Growth control and disease mechanisms in computational embryogeny, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 871–872, Atlanta, GA, USA, 2008, ACM.

[151] ARANHA, C. C. et al., A tree-based ga representation for the portfolio optimization problem, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 873–880, Atlanta, GA, USA, 2008, ACM.

[152] Barkat Ullah, A. S. S. M. et al., Search space reduction technique for constrained optimization with tiny feasible space, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 881–888, Atlanta, GA, USA, 2008, ACM.

[153] BHATT, A. et al., In search of no-loss strategies for the game of tic-tac-toe using a customized genetic algorithm, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 889–896, Atlanta, GA, USA, 2008, ACM.

[154] CARRANO, E. G. et al., An enhanced statistical approach for evolutionary algorithm comparison, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 897–904, Atlanta, GA, USA, 2008, ACM.

[155] CERVANTES, J. et al., Rank based variation operators for genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 905–912, Atlanta, GA, USA, 2008, ACM.

[156] DACOSTA, L. et al., Adaptive operator selection with dynamic multi-armed bandits, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 913–920, Atlanta, GA, USA, 2008, ACM.

[157] DESELL, T. et al., An asynchronous hybrid genetic-simplex search for modeling the milky way galaxy using volunteer computing, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 921–928, Atlanta, GA, USA, 2008, ACM.

[158] DOERR, B. et al., Comparing global and local mutations on bit strings, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 929–936, Atlanta, GA, USA, 2008, ACM.

[159] FERNANDES, C. M. et al., A self-organized criticality mutation operator for dynamic optimization problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 937–944, Atlanta, GA, USA, 2008, ACM.

[160] FRIEDRICH, T. et al., Theoretical analysis of diversity mechanisms for global exploration, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 945–952, Atlanta, GA, USA, 2008, ACM.

[161] HAPP, E. et al., Rigorous analyses of fitness-proportional selection for optimizing linear functions, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 953–960, Atlanta, GA, USA, 2008, ACM.

[162] de Lima, T. W. et al., The node-depth encoding: analysis and application to the bounded-diameter minimum spanning tree problem, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 969–976, Atlanta, GA, USA, 2008, ACM.

[163] LIOU, J.-J. et al., Adaptive discretization on multidimensional continuous search spaces, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 977–984, Atlanta, GA, USA, 2008, ACM.

[164] LLORà, X. et al., Graph-theoretic measure for active igas: interaction sizing and parallel evaluation ensemble, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 985–992, Atlanta, GA, USA, 2008, ACM.

[165] MUELAS, S. et al., Voronoi-initialized island models for solving real-coded deceptive problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 993–1000, Atlanta, GA, USA, 2008, ACM.

[166] NAKAMA, T., Theoretical analysis of genetic algorithms in noisy environments based on a markov model, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1001–1008, Atlanta, GA, USA, 2008, ACM.

[167] NEUBAUER, A., Theory of the simple genetic algorithm with α-selection, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1009–1016, Atlanta, GA, USA, 2008, ACM.

[168] NGUYEN, Q. H. et al., Non-genetic transmission of memes by diffusion, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1017–1024, Atlanta, GA, USA, 2008, ACM.

[169] PARK, T. et al., Dual-population genetic algorithm for nonstationary optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1025–1032, Atlanta, GA, USA, 2008, ACM.

[170] SHEAHAN, A. et al., A transformation-based approach to static multiprocessor scheduling, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1041–1048, Atlanta, GA, USA, 2008, ACM.

[171] STONEDAHL, F. et al., Crossnet: a framework for crossover with network-based chromosomal representations, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1057–1064, Atlanta, GA, USA, 2008, ACM.

[172] TROIANO, L. et al., Adapting palettes to color vision deficiencies by genetic algorithm, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1065–1072, Atlanta, GA, USA, 2008, ACM.

[173] TSUJI, M. et al., Empirical investigations on parallel competent genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1073–1080, Atlanta, GA, USA, 2008, ACM.

[174] WHITACRE, J. M. et al., Strategic positioning in tactical scenario planning, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1081–1088, Atlanta, GA, USA, 2008, ACM.

[175] YU, T.-L. et al., Optimal sampling of genetic algorithms on polynomial regression, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1089–1096, Atlanta, GA, USA, 2008, ACM.

[176] BERENBOYM, I. et al., Genetic algorithms with local search optimization for protein structure prediction problem, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1097–1098, Atlanta, GA, USA, 2008, ACM.

[177] BERGMANN, K. P. et al., Cryptanalysis using genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1099–1100, Atlanta, GA, USA, 2008, ACM.

[178] BREUKELAAR, R. et al., Self-adaptive mutation rates in genetic algorithm for inverse design of cellular automata, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1101–1102, Atlanta, GA, USA, 2008, ACM.

[179] CASTILLO, P. A. et al., Evolving machine microprograms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1103–1104, Atlanta, GA, USA, 2008, ACM.

[180] GODLEY, P. M. et al., The effects of mutation and directed intervention crossover when applied to scheduling chemotherapy, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1105–1106, Atlanta, GA, USA, 2008, ACM.

[181] HANADA, Y. et al., Analysis of the performance of genetic multi-step search in interpolation and extrapolation domain, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1107–1108, Atlanta, GA, USA, 2008, ACM.

[182] HOLDENER, E. A. et al., Learning offspring optimizing mate selection, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1109–1110, Atlanta, GA, USA, 2008, ACM.

[183] ISHIBUCHI, H. et al., Maintaining the diversity of solutions by non-geometric binary crossover: a worst one-max solver competition case study, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1111–1112, Atlanta, GA, USA, 2008, ACM.

[184] YI JIANG, H. et al., Deriving evaluation metrics for applicability of genetic algorithms to optimization problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1113–1114, Atlanta, GA, USA, 2008, ACM.

[185] KHOSRAVIANI, M. et al., Convergence analysis of quantum-inspired genetic algorithms with the population of a single individual, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1115–1116, Atlanta, GA, USA, 2008, ACM.

[186] KIM, Y.-H., Linear transformation in pseudo-boolean functions, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1117–1118, Atlanta, GA, USA, 2008, ACM.

[187] LATORRE, A. et al., Using multiple offspring sampling to guide genetic algorithms to solve permutation problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1119–1120, Atlanta, GA, USA, 2008, ACM.

[188] LE, M. N. et al., Optinformatics for schema analysis of binary genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1121–1122, Atlanta, GA, USA, 2008, ACM.

[189] LI, Z. et al., A practical search index and population size analysis based on the building block hypothesis, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1123–1124, Atlanta, GA, USA, 2008, ACM.

[190] MARTINS, F. V. et al., The micro-genetic operator in the search of global trends, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1125–1126, Atlanta, GA, USA, 2008, ACM.

[191] GINLEY, B. M. et al., Maintaining diversity through adaptive selection, crossover and mutation, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1127–1128, Atlanta, GA, USA, 2008, ACM.

[192] NAJAFI, M. et al., Using pca to improve evolutionary cellular automata algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1129–1130, Atlanta, GA, USA, 2008, ACM.

[193] NOJOUMIAN, M. et al., Comparing genetic algorithm and guided local search methods by symmetric tsp instances, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1131–1132, Atlanta, GA, USA, 2008, ACM.

[194] PAPA, G., Parameter-less evolutionary search, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1133–1134, Atlanta, GA, USA, 2008, ACM.

[195] PAPERIN, G., Evolving sequence patterns for prediction of sub-cellular locations of eukaryotic proteins, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1135–1136, Atlanta, GA, USA, 2008, ACM.

[196] PIZZUTI, C., Community detection in social networks with genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1137–1138, Atlanta, GA, USA, 2008, ACM.

[197] RISCO-MARTÍN, J. L. et al., Solving discrete deceptive problems with emmrs, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1139–1140, Atlanta, GA, USA, 2008, ACM.

[198] SAHIN, C. S. et al., Genetic algorithms for self-spreading nodes in manets, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1141–1142, Atlanta, GA, USA, 2008, ACM.

[199] SATO, Y. et al., Improving small population performance under noise with viral infection + tropism, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1143–1144, Atlanta, GA, USA, 2008, ACM.

[200] SEIXAS, F. L. et al., Image registration using genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1145–1146, Atlanta, GA, USA, 2008, ACM.

[201] TROUTMAN, N. P. et al., Is "best-so-far"a good algorithmic performance metric?, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1147–1148, Atlanta, GA, USA, 2008, ACM.

[202] WANNER, E. F. et al., Coordinate change operators for genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1149–1150, Atlanta, GA, USA, 2008, ACM.

[203] YOGEV, O. et al., Modularity and symmetry in computational embryogeny, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1151–1152, Atlanta, GA, USA, 2008, ACM.

[204] ZAMALLOA, M. et al., Comparing genetic algorithms to principal component analysis and linear discriminant analysis in reducing feature dimensionality for speaker recognition, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1153–1154, Atlanta, GA, USA, 2008, ACM.

[205] AGAPITOS, A. et al., Learning to recognise mental activities: genetic programming of stateful classifiers for brain-computer interfacing, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1155–1162, Atlanta, GA, USA, 2008, ACM.

[206] AGAPITOS, A. et al., On the genetic programming of time-series predictors for supply chain management, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1163–1170, Atlanta, GA, USA, 2008, ACM.

[207] AUGUSTO, D. A. et al., Coevolution of data samples and classifiers integrated with grammatically-based genetic programming for data classification, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1171–1178, Atlanta, GA, USA, 2008, ACM.

[208] BAI, L. et al., Automated shape composition based on cell biology and distributed genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1179–1186, Atlanta, GA, USA, 2008, ACM.

[209] BINARD, F. et al., Genetic programming with polymorphic types and higher-order functions, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1187–1194, Atlanta, GA, USA, 2008, ACM.

[210] CERNY, B. M. et al., Using differential evolution for symbolic regression and numerical constant creation, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1195–1202, Atlanta, GA, USA, 2008, ACM.

[211] KAMEYA, Y. et al., Accelerating genetic programming by frequent subtree mining, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1203–1210, Atlanta, GA, USA, 2008, ACM.

[212] KATTAN, A. et al., Evolutionary lossless compression with gp-zip*, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1211–1218, Atlanta, GA, USA, 2008, ACM.

[213] KAUFMANN, P. et al., Advanced techniques for the creation and propagation of modules in cartesian genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1219–1226, Atlanta, GA, USA, 2008, ACM.

[214] KUMAR, R. et al., Evolution of hyperheuristics for the biobjective 0/1 knapsack problem by multiobjective genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1227–1234, Atlanta, GA, USA, 2008, ACM.

[215] MCPHEE, N. F. et al., Memory with memory: soft assignment in genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1235–1242, Atlanta, GA, USA, 2008, ACM.

[216] Mora García, A. M. et al., Discovering causes of financial distress by combining evolutionary algorithms and artificial neural networks, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1243–1250, Atlanta, GA, USA, 2008, ACM.

[217] MURPHY, G. et al., Exploiting the path of least resistance in evolution, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1251–1258, Atlanta, GA, USA, 2008, ACM.

[218] NUNKESSER, R., Analysis of a genetic programming algorithm for association studies, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1259–1266, Atlanta, GA, USA, 2008, ACM.

[219] POLI, R. et al., Parsimony pressure made easy, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1267–1274, Atlanta, GA, USA, 2008, ACM.

[220] POLI, R. et al., The impact of population size on code growth in gp: analysis and empirical validation, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1275–1282, Atlanta, GA, USA, 2008, ACM.

[221] de Sá, L. B. et al., Evolutionary synthesis of low-sensitivity equalizers using adjacency matrix representation, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1283–1290, Atlanta, GA, USA, 2008, ACM.

[222] SPECTOR, L. et al., Genetic programming for finite algebras, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1291–1298, Atlanta, GA, USA, 2008, ACM.

[223] TRUJILLO, L. et al., Multiobjective design of operators that detect points of interest in images, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1299–1306, Atlanta, GA, USA, 2008, ACM.

[224] TURNER, C. J. et al., A genetic programming approach to business process mining, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1307–1314, Atlanta, GA, USA, 2008, ACM.

[225] WEDGE, D. C. et al., Rapid prediction of optimum population size in genetic programming using a novel genotype -: fitness correlation, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1315–1322, Atlanta, GA, USA, 2008, ACM.

[226] XIE, H. et al., An analysis of multi-sampled issue and no-replacement tournament selection, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1323–1330, Atlanta, GA, USA, 2008, ACM.

[227] BARATE, R. et al., Generalization performance of vision based controllers for mobile robots evolved with genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1331–1332, Atlanta, GA, USA, 2008, ACM.

[228] CLEGG, J., Combining cartesian genetic programming with an estimation of distribution algorithm, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1333–1334, Atlanta, GA, USA, 2008, ACM.

[229] FOGELSON, S. V. et al., A formulation for the relative permittivity of water and steam to high temperatures and pressures evolved using genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1335–1336, Atlanta, GA, USA, 2008, ACM.

[230] HU, T. et al., Measuring rate of evolution in genetic programming using amino acid to synonymous substitution ratio ka/ks, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1337–1338, Atlanta, GA, USA, 2008, ACM.

[231] LEWIS, T. E. et al., Tread: a new genetic programming representation aimed at research of long term complexity growth, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1339–1340, Atlanta, GA, USA, 2008, ACM.

[232] LI, C. et al., Stress-based crossover operator for structure topology optimization using small population size and variable length chromosome, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1341–1342, Atlanta, GA, USA, 2008, ACM.

[233] POLI, R. et al., Elitism reduces bloat in genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1343–1344, Atlanta, GA, USA, 2008, ACM.

[234] WHITE, T. et al., A swarm-based crossover operator for genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1345–1346, Atlanta, GA, USA, 2008, ACM.

[235] WIJESINGHE, G. et al., Experiments with indexed for-loops in genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1347–1348, Atlanta, GA, USA, 2008, ACM.

[236] BUTZ, M. V. et al., An analysis of matching in learning classifier systems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1349–1356, Atlanta, GA, USA, 2008, ACM.

[237] BUTZ, M. V. et al., Context-dependent predictions and cognitive arm control with xcsf, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1357–1364, Atlanta, GA, USA, 2008, ACM.

[238] BUTZ, M. V. et al., Self-adaptive mutation in xcsf, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1365–1372, Atlanta, GA, USA, 2008, ACM.

[239] CHOW, R. et al., An efficient svm-ga feature selection model for large healthcare databases, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1373–1380, Atlanta, GA, USA, 2008, ACM.

[240] HONG, Y. et al., Genetic-guided semi-supervised clustering algorithm with instance-level constraints, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1381–1388, Atlanta, GA, USA, 2008, ACM.

[241] HOWARD, G. D. et al., Self-adaptive constructivism in neural xcs and xcsf, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1389–1396, Atlanta, GA, USA, 2008, ACM.

[242] KASSAHUN, Y. et al., Accelerating neuroevolutionary methods using a kalman filter, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1397–1404, Atlanta, GA, USA, 2008, ACM.

[243] KOHL, N. et al., Evolving neural networks for fractured domains, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1405–1412, Atlanta, GA, USA, 2008, ACM.

[244] TEIXIDó-NAVARRO, F. et al., Hierarchical evolution of linear regressors, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1413–1420, Atlanta, GA, USA, 2008, ACM.

[245] BACARDIT, J. et al., Fast rule representation for continuous attributes in genetics-based machine learning, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1421–1422, Atlanta, GA, USA, 2008, ACM.

[246] Dos Santos, E. M. et al., Overfitting in the selection of classifier ensembles: a comparative study between pso and ga, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1423–1424, Atlanta, GA, USA, 2008, ACM.

[247] METZEN, J. H. et al., Towards efficient online reinforcement learning using neuroevolution, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1425–1426, Atlanta, GA, USA, 2008, ACM.

[248] PITANGUI, C. G. et al., Genetic local search for rule learning, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1427–1428, Atlanta, GA, USA, 2008, ACM.

[249] PRIESTERJAHN, S., Imitation-based evolution of artificial players in modern computer games, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1429–1430, Atlanta, GA, USA, 2008, ACM.

[250] RAMÍREZ-RUIZ, J. A. et al., A new approach to fuzzy lcss in two-dimensional continuous multistep environment with continuous vector actions, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1433–1434, Atlanta, GA, USA, 2008, ACM.

[251] WINKLER, S. M. et al., Fine-grained population diversity estimation for genetic programming based structure identification, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1435–1436, Atlanta, GA, USA, 2008, ACM.

[252] ABBASS, H. A. et al., Computational scenario-based capability planning, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1437–1444, Atlanta, GA, USA, 2008, ACM.

[253] ABRAHAM, A. et al., Design of fractional order piλdμ controllers with an improved differential evolution, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1445–1452, Atlanta, GA, USA, 2008, ACM.

[254] CIESIELSKI, V. et al., Evolving similarity functions for code plagiarism detection, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1453–1460, Atlanta, GA, USA, 2008, ACM.

[255] DAS, S. et al., The gene regulatory network: an application to optimal coverage in sensor networks, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1461–1468, Atlanta, GA, USA, 2008, ACM.

[256] DAVID-TABIBI, O. et al., Genetic algorithms for mentor-assisted evaluation function optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1469–1476, Atlanta, GA, USA, 2008, ACM.

[257] de la Cruz, J. M. et al., Evolutionary path planner for uavs in realistic environments, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1477–1484, Atlanta, GA, USA, 2008, ACM.

[258] GEORGE, B. et al., Efit-v -: interactive evolutionary strategy for the construction of photo-realistic facial composites, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1485–1490, Atlanta, GA, USA, 2008, ACM.

[259] GRIMME, C. et al., Discovering performance bounds for grid scheduling by using evolutionary multiobjective optimization, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1491–1498, Atlanta, GA, USA, 2008, ACM.

[260] HASIRCIOGLU, I. et al., 3-d path planning for the navigation of unmanned aerial vehicles by using evolutionary algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1499–1506, Atlanta, GA, USA, 2008, ACM.

[261] HASSAN, G. et al., Multiobjective robustness for portfolio optimization in volatile environments, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1507–1514, Atlanta, GA, USA, 2008, ACM.

[262] HIDALGO, J. I. et al., Analysis of multi-objective evolutionary algorithms to optimize dynamic data types in embedded systems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1515–1522, Atlanta, GA, USA, 2008, ACM.

[263] HIRAYAMA, Y. et al., Fault tolerant control using cartesian genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1523–1530, Atlanta, GA, USA, 2008, ACM.

[264] HOLMES, T. et al., Eye on the prize: using overt visual attention to drive fitness for interactive evolutionary computation, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1531–1538, Atlanta, GA, USA, 2008, ACM.

[265] JAROS, J. et al., An evolutionary design technique for collective communications on optimal diameter-degree networks, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1539–1546, Atlanta, GA, USA, 2008, ACM.

[266] KABLI, R. et al., Evolved bayesian networks as a versatile alternative to partin tables for prostate cancer management, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1547–1554, Atlanta, GA, USA, 2008, ACM.

[267] KRUISSELBRINK, J. W. et al., Evolutionary algorithms for automated drug design towards target molecule properties, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1555–1562, Atlanta, GA, USA, 2008, ACM.

[268] LEIGH, R. et al., Using coevolution to understand and validate game balance in continuous games, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1563–1570, Atlanta, GA, USA, 2008, ACM.

[269] LIM, Y. T. et al., Mls security policy evolution with genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1571–1578, Atlanta, GA, USA, 2008, ACM.

[270] LUNA, F. et al., Metaheuristics for solving a real-world frequency assignment problem in gsm networks, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1579–1586, Atlanta, GA, USA, 2008, ACM.

[271] MATSUI, S. et al., Optimizing hierarchical menus by genetic algorithm and simulated annealing, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1587–1594, Atlanta, GA, USA, 2008, ACM.

[272] MOEN, H. J. F. et al., Multi-resistant radar jamming using genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1595–1602, Atlanta, GA, USA, 2008, ACM.

[273] OLIWA, T. M., Genetic algorithms and the abc music notation language for rock music composition, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1603–1610, Atlanta, GA, USA, 2008, ACM.

[274] PEDERSEN, G. K. et al., Efficiency optimization of a multi-pump booster system, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1611–1618, Atlanta, GA, USA, 2008, ACM.

[275] PEDERSEN, G. K. et al., Estimation of pump-curves using genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1619–1626, Atlanta, GA, USA, 2008, ACM.

[276] RAJA, A. et al., Voip speech quality estimation in a mixed context with genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1627–1634, Atlanta, GA, USA, 2008, ACM.

[277] SARUWATARI, S. et al., Speeding online synthesis via enforced selecto-recombination, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1635–1642, Atlanta, GA, USA, 2008, ACM.

[278] SLANY, K., Branch predictor on-line evolutionary system, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1643–1648, Atlanta, GA, USA, 2008, ACM.

[279] SONG, A. et al., Robust method of detecting moving objects in videos evolved by genetic programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1649–1656, Atlanta, GA, USA, 2008, ACM.

[280] WAGNER, N. et al., An analysis of adaptive windowing for time series forecasting in dynamic environments: further tests of the dyfor gp model, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1657–1664, Atlanta, GA, USA, 2008, ACM.

[281] WILLIS, A. et al., Gp age-layer and crossover effects in bid-offer spread prediction, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1665–1672, Atlanta, GA, USA, 2008, ACM.

[282] WU, S. X. et al., Combatting financial fraud: a coevolutionary anomaly detection approach, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1673–1680, Atlanta, GA, USA, 2008, ACM.

[283] YAN, W. et al., Learning to optimize profits beats predicting returns -: comparing techniques for financial portfolio optimisation, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1681–1688, Atlanta, GA, USA, 2008, ACM.

[284] ATAKA, S. et al., The study for transportation planning considered the inventory using hybrid genetic algorithm, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1689–1690, Atlanta, GA, USA, 2008, ACM.

[285] BORENSTEIN, Y. et al., On the partitioning of dynamic scheduling problems -: assigning technicians to areas, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1691–1692, Atlanta, GA, USA, 2008, ACM.

[286] CHEN, Y. et al., Construction of portfolio optimization system using genetic network programming with control nodes, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1693–1694, Atlanta, GA, USA, 2008, ACM.

[287] DASGUPTA, S. et al., Automatic circle detection on images with an adaptive bacterial foraging algorithm, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1695–1696, Atlanta, GA, USA, 2008, ACM.

[288] DE MARCOS, L. et al., An evolutionary approach for competency-based curriculum sequencing, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1697–1698, Atlanta, GA, USA, 2008, ACM.

[289] DEWRI, R. et al., Evolution strategy based optimization of on-demand dependent data broadcast scheduling, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1699–1700, Atlanta, GA, USA, 2008, ACM.

[290] GARCÍA-SáNCHEZ, P. et al., Automatic generation of xslt stylesheets using evolutionary algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1701–1702, Atlanta, GA, USA, 2008, ACM.

[291] GYURECZ, G., Genetic algorithm in removing local nurbs surface irregularities using highlight lines, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1703–1704, Atlanta, GA, USA, 2008, ACM.

[292] KODALI, S. P. et al., Applicability of genetic algorithms to reconstruction of projected data from ultrasonic tomography, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1705–1706, Atlanta, GA, USA, 2008, ACM.

[293] EUN LEE, J. et al., Designing a multistage reverse logistics network problem by hybrid genetic algorithm, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1707–1708, Atlanta, GA, USA, 2008, ACM.

[294] MABU, S. et al., Stock trading strategies by genetic network programming with flag nodes, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1709–1710, Atlanta, GA, USA, 2008, ACM.

[295] MACNEIL, P. E., Genetic algorithms and solutions of an interesting differential equation, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1711–1712, Atlanta, GA, USA, 2008, ACM.

[296] ORTÍZ, A. O. et al., A hybrid system using pso and data mining for determining the ranking of a new participant in eurovision, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1713–1714, Atlanta, GA, USA, 2008, ACM.

[297] OHKAWA, E. et al., Varying portfolio construction of stocks using genetic network programming with control nodes, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1715–1716, Atlanta, GA, USA, 2008, ACM.

[298] ORANCHAK, D., Evolutionary algorithm for decryption of monoalphabetic homophonic substitution ciphers encoded as constraint satisfaction problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1717–1718, Atlanta, GA, USA, 2008, ACM.

[299] QUIROZ, J. C. et al., Igap: interactive genetic algorithm peer to peer, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1719–1720, Atlanta, GA, USA, 2008, ACM.

[300] SATO, Y. et al., Dependencies on player formation in event-driven hybrid learning classifier systems for soccer video games, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1721–1722, Atlanta, GA, USA, 2008, ACM.

[301] SHARMA, D. et al., A domain-specific crossover and a helper objective for generating minimum weight compliant mechanisms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1723–1724, Atlanta, GA, USA, 2008, ACM.

[302] ZHANG, K. et al., Prediction of retention times for a large set of pesticides based on improved gene expression programming, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1725–1726, Atlanta, GA, USA, 2008, ACM.

[303] ALBA, E. et al., Searching for liveness property violations in concurrent systems with aco, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1727–1734, Atlanta, GA, USA, 2008, ACM.

[304] ALBA, E. et al., Finding deadlocks in large concurrent java programs using genetic algorithms, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1735–1742, Atlanta, GA, USA, 2008, ACM.

[305] GAROUSI, V., Empirical analysis of a genetic algorithm-based stress test technique, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1743–1750, Atlanta, GA, USA, 2008, ACM.

[306] GOLDSBY, H. J. et al., Avida-mde: a digital evolution approach to generating models of adaptive software behavior, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1751–1758, Atlanta, GA, USA, 2008, ACM.

[307] LAKHOTIA, K. et al., Handling dynamic data structures in search based testing, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1759–1766, Atlanta, GA, USA, 2008, ACM.

[308] WANG, Y. et al., Fitness calculation approach for the switch-case construct in evolutionary testing, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1767–1774, Atlanta, GA, USA, 2008, ACM.

[309] WHITE, D. R. et al., Searching for resource-efficient programs: low-power pseudorandom number generators, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1775–1782, Atlanta, GA, USA, 2008, ACM.

[310] RIBEIRO, J. C. B. et al., Strongly-typed genetic programming and purity analysis: input domain reduction for evolutionary testing problems, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1783–1784, Atlanta, GA, USA, 2008, ACM.

[311] SIMONS, C. L. et al., Agent-based support for interactive search in conceptual software engineering design, in *GECCO '08: Proceedings of the 10th annual conference on Genetic and evolutionary computation*, edited by KEIJZER, M. et al., pages 1785–1786, Atlanta, GA, USA, 2008, ACM.