

Список литературы

- [1] M. KEIJZER, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 2004.
- [2] E. R. BANKS, J. HAYES, and E. NUNEZ, Parametric Regression Through Genetic Programming, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [3] B. BAGOT, The Harmonic Decision Matrix: a group of operators for the fuzzy-logic, multi-objective decisions and optimizations, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [4] G. C. WILSON and M. I. HEYWOOD, Search Operator Bias in Linearly Structured Genetic Programming, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [5] W. JAKOB, C. BLUME, and G. BRETTHAUER, Towards a Generally Applicable Self-adapting Hybridization of Evolutionary Algorithms, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [6] A. S. UYAR, An Adaptive Diploid Evolutionary Algorithm for Floating-Point Representations in Dynamic Environments, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [7] K. WLOCH and P. J. BENTLEY, Optimising the Performance of a Formula One Car using a Genetic Algorithm, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [8] C. LEE, Y.-T. LI, J.-S. WU, and T.-Y. CHOU, Double Orthogonal Arrays Based Genetic Algorithm for Primer Design, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [9] Z. G. WANG, Y. S. WONG, and M. RAHMAN, Development of the parallel optimization method based on genetic simulated annealing, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [10] W. PIASECZNY, H. SUZUKI, and H. SAWAI, Chemical Genetic Programming - The Effect of Evolving Amino Acids, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [11] W. H. HSU, S. J. HARMON, E. RODRIGUEZ, and C. ZHONG, Empirical Comparison of Incremental Reuse Strategies in Genetic Programming for Keep-Away Soccer, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [12] G. J. BARLOW, C. K. OH, and E. GRANT, Incremental Evolution of Autonomous Controllers for Unmanned Aerial Vehicles using Multi-objective Genetic Programming, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [13] S. ZENG, L. DING, S. YAO, and L. KANG, KLP Not Always Efficient, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [14] F. G. LOBO, A philosophical essay on life and its connections with genetic algorithms, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [15] F. G. LOBO, C. LIMA, and H. MARTIRES, An architecture for massive parallelization of the compact genetic algorithm, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.

- [16] H. FERNLUND and A. J. GONZALEZ, Using GP to Model Contextual Human Behavior - Competitive with Human Modeling Performance, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [17] D. BASANTA, M. MIODOWNIK, P. BENTLEY, and E. HOLM, Investigating the evolvability of biologically inspired CA, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [18] L. POLADIAN and L. JERMIIN, Phylogenetic inference using evolutionary multi-objective optimisation, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [19] P. GANG, I. IIMURA, H. TSURUSAWA, and S. NAKAYAMA, A Local Search Algorithm Based on Genetic Recombination for Traveling Salesman Problem, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [20] D. JAMES and P. TUCKER, A Comparative Analysis of Simplification and Complexification in the Evolution of Neural Network Topologies, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [21] M. P. KASINADHUNI, M. L. GARGANO, J. DECICCO, and W. EDELSON, SELF-ADAPTATION IN GENETIC ALGORITHMS USING MULTIPLE GENOMIC REDUNDANT REPRESENTATIONS, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [22] J. THANGAVELAUTHAM and G. M. T. D'ELEUTERIO, application of a Neuroevolutionary Approach to Emergent Task Decomposition in Collective Robotics, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [23] F. D. FRANCONI, L. M. DESCHAIEN, T. BATTENHOUSE, and J. J. WARREN, Discrimination of Unexploded Ordnance from Clutter Using Linear Genetic Programming, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [24] X. LI, C. ZHOU, P. C. NELSON, and T. M. TIRPAK, Investigation of Constant Creation Techniques in the Context of Gene Expression Programming, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [25] E. J. P. EARON and G. M. T. D'ELEUTERIO, An Agent Too Far: The Genetic Distance Evaluation of a Simulated World, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [26] Z. SKOLICKI and K. DE JONG, Improving Evolutionary Algorithms with Multi-representation Island Models, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [27] K.-Y. LEE, M.-L. WONG, Y. LIANG, K.-S. LEUNG, and K.-H. LEE, A-HEP: Adaptive Hybrid Evolutionary Programming for Learning Bayesian Networks, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [28] R. LEFUEL and B. J. ROSS, Parsing Probabilistic Context Free Languages with Multi-Objective Genetic Algorithms, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.

- [29] N. ALDAWOODI, R. PEREZ, W. ALVIS, and K. VALAVANIS, Developing Automated Helicopter Models Using Simulated Annealing and Genetic Search, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [30] B. BAGOT and H. POHLHEIM, Complementary selection and variation for an efficient multiobjective optimization of complex systems, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [31] V. LEFORT, C. KNIBBE, G. BESLON, and J. FAVREL, The RBF-Gene model, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [32] C. ROTAR, An Evolutionary Technique for Multicriterial Optimization Based on Endocrine Paradigm, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [33] S. STONE, B. PILLMORE, and W. CYRE, Crossover and Mutation in Genetic Algorithms Using Graph-Encoded Chromosomes, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [34] C. GROSAN, An Evolutionary Approach for Multiobjective Optimization using Adaptive Representation of Solutions, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [35] B. MEYER, Convergence Control in ACO, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [36] S. MABU, K. HIRASAWA, and J. HU, Genetic Network Programming with Reinforcement Learning and its Performance Evaluation, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [37] C. K. MONSON and K. D. SEPPI, Improving on the Kalman Swarm: Extracting its Essential Characteristics, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [38] R. CUMMINS and C. O'RIORDAN, Using Genetic Programming to Evolve Weighting Schemes for the Vector Space Model of Information Retrieval, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [39] D. OBEROI and B. RYLANDER, Determining the Best Parent Selection Method for a Genetic Algorithm through Varying Problem Sizes and Complexities, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [40] S. STONE, B. PILLMORE, and W. CYRE, Crossover and Mutation in Genetic Algorithms Using Graph-Encoded Chromosomes, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [41] E. B. TCHERNEV and D. S. PHATAK, Control structures in linear and stack-based Genetic Programming, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [42] M. AMIN and M. PREMARATNE, Constraint Handling of an Optical Components Selection Problem using a new Genetic Crossover Scheme, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [43] S. DONCIEUX, S. LANDAU, and N. GUELF, EcoSFERES: A Tool for the Design of Self-Organized Agent-Based Applications, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.

- [44] T. MURATA and T. NAKAMURA, Developing Cooperation of Multiple Agents Using Genetic Network Programming with Automatically Defined Groups, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [45] K. KOSTIKAS and C. FRAGAKIS, Genetic Programming for Guiding Branch and Bound Search, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [46] R. CRAWFORD-MARKS, L. SPECTOR, and J. KLEIN, Virtual Witches and Warlocks: A Quidditch Simulator and Quidditch-Playing Teams Coevolved via Genetic Programming, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [47] S. A. ROJAS and P. J. BENTLEY, A Grid-based Ant Colony System for Automatic Program Synthesis, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [48] W. B. LANGDON and W. BANZHAF, Repeated Sequences in Linear GP Genomes, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [49] J. C. F. PUJOL and R. POLI, A Highly Efficient Function Optimization with Genetic Programming, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [50] G. CERVONE, L. PANAIT, R. SINGH, M. KAFATOS, and S. LUKE, An Application of Evolutionary Algorithms to Predict the Extent of SLHF Anomaly Associated with Coastal Earthquake, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [51] K. RODRIGUEZ-VAZQUEZ and C. OLIVER-MORALES, Function Approximation by means of Multi-Branches Genetic Programming, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [52] E. BUEHLER, S. DAS, and J. F. CULLY, Equilibrium and Extinction In a Trisexual Diploid Mating System, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [53] S. DAS, G. SINGH, S. PUJAR, and P. KODURU, Ant Colony Algorithms for Routing in Sensor Networks, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [54] D. SALAZAR, B. GALVAN, and G. WINTER, Enhancing A Multiobjective Evolutionary Algorithm Through Flexible Evolution, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [55] J. WOODWARD, Simple Incremental Testing, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [56] B. KHOSRAVIANI, R. E. LEVITT, and J. R. KOZA, Organization Design Optimization Using Genetic Programming, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [57] S. J. SIMSKE and D. C. MATTHEWS, Navigation Using Inverting Genetic Algorithms: Initial Conditions and Node-Node Transitions, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [58] M. SETTLES and T. SOULE, Breeding Swarms: A GA/PSO Hybrid, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.

- [59] Y. M. A. KHALIFA, H. SHI, and G. ABREU, Evolutionary Music Composer, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [60] F. P. J. VANDECASTEELE, T. F. HESS, and R. L. CRAWFORD, A Correlated Fitness Landscape Describes Growth in Experimental Microbial Ecosystems: Initial Results, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [61] H. W.-K. CHIA and C.-L. TAN, Association-Based Evolution of Comprehensible Neural Logic Networks, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [62] S.-H. CHEN and B.-T. CHIE, Functional Modularity in the Test Bed of Economic Theory – Using Genetic Programming, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [63] H. LIPSON, How to Draw a Straight Line Using a GP: Benchmarking Evolutionary Design Against 19th Century Kinematic Synthesis, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [64] Y. KHALIFA and E. OKOENE, An Autonomous Agent-Based Surveillance System, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [65] V. ZYKOV, J. BONGARD, and H. LIPSON, Evolving Dynamic Gaits on a Physical Robot, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [66] O. GOMEZ and B. BARAN, Relationship between Genetic Algorithms and Ant Colony Optimization, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [67] E. POPOVICI and K. DE JONG, Understanding Competitive Co-evolutionary Dynamics via Fitness Landscapes, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [68] S. KAIGE, K. NARUKAWA, and H. ISHIBUCHI, Lamarckian Repair and Darwinian Repair in EMO Algorithms for Multiobjective 0/1 Knapsack Problems, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [69] S. KAZADI, D. JOHNSON, J. MELENDEZ, and B. GOO, Exhaustive Directed Search, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [70] S. ANDO and S. KOBAYASHI, On the sampling property of real-parameter crossover, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [71] N. ALDWOODI and R. PEREZ, Advanced Formula Prediction using Simulated Annealing, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [72] S. KUMAR, The Evolution of Genetic Regulatory Networks for Single and Multicellular Development, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [73] L. CITI, R. POLI, C. CINEL, and F. SEPULVEDA, Feature Selection and Classification in Brain Computer Interfaces by a Genetic Algorithm, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.

- [74] R. W. TIMM and H. LIPSON, Periodicity Emerges from Evolved Energy-Efficient and Long-Range Brachiation, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.
- [75] J. H. HOLMES, J. A. SAGER, and W. B. BILKER, Methods for Covering Missing Data in XCS, in *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, edited by M. KEIJZER, Seattle, Washington, USA, 2004.