

## Список литературы

- [AK04] Shin Ando and Shigenobu Kobayashi. On the sampling property of real-parameter crossover. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [AP04a] Namir Aldwoodi and Rafael Perez. Advanced formula prediction using simulated annealing. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [AP04b] Mohammad Amin and Malin Premaratne. Constraint handling of an optical components selection problem using a new genetic crossover scheme. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [APAV04] Namir Aldawoodi, Rafael Perez, Wendy Alvis, and Kimon Valavanis. Developing automated helicopter models using simulated annealing and genetic search. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [Bag04] Benoit Bagot. The harmonic decision matrix: a group of operators for the fuzzy-logic, multi-objective decisions and optimizations. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [BDC04] Erik Buehler, Sanjoy Das, and Jack F. Cully. Equilibrium and extinction in a trisexual diploid mating system. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [BHN04] Edwin Roger Banks, James Hayes, and Edwin Nunez. Parametric regression through genetic programming. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [BMBH04] David Basanta, Mark Miodownik, Peter Bentley, and Elizabeth Holm. Investigating the evolvability of biologically inspired CA. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [BOG04] Gregory J. Barlow, Choong K. Oh, and Edward Grant. Incremental evolution of autonomous controllers for unmanned aerial vehicles using multi-objective genetic programming. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [BP04] Benoit BAGOT and Hartmut POHLHEIM. Complementary selection and variation for an efficient multiobjective optimization of complex systems. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [CC04] Shu-Heng Chen and Bin-Tzong Chie. Functional modularity in the test bed of economic theory – using genetic programming. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [CMSK04] Raphael Crawford-Marks, Lee Spector, and Jon Klein. Virtual witches and warlocks: A quidditch simulator and quidditch-playing teams coevolved via genetic programming. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.

- [CO04] Ronan Cummins and Colm O’Riordan. Using genetic programming to evolve weighting schemes for the vector space model of information retrieval. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [CPCS04] Luca Citi, Riccardo Poli, Caterina Cinel, and Francisco Sepulveda. Feature selection and classification in brain computer interfaces by a genetic algorithm. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [CPS<sup>+</sup>04] Guido Cervone, Liviu Panait, Ramesh Singh, Menas Kafatos, and Sean Luke. An application of evolutionary algorithms to predict the extent of SLHF anomaly associated with coastal earthquake. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [CT04] Henry Wai-Kit Chia and Chew-Lim Tan. Association-based evolution of comprehensible neural logic networks. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [DLG04] Stephane DONCIEUX, Samuel LANDAU, and Nicolas GUELF. Ecosferes: A tool for the design of self-organized agent-based applications. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [DSPK04] Sanjoy Das, Gurdip Singh, Sandeep Pujar, and Praveen Koduru. Ant colony algorithms for routing in sensor networks. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [ED04] E. J. P. Earon and G. M. T. D’Eleuterio. An agent too far: The genetic distance evaluation of a simulated world. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [FDBW04] Frank D. Francone, Larry M. Deschaine, Tom Battenhouse, and Jeffrey J. Warren. Discrimination of unexploded ordnance from clutter using linear genetic programming. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [FG04] Hans Fernlund and Avelino J. Gonzalez. Using gp to model contextual human behavior - competitive with human modeling performance. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [GB04] Osvaldo Gomez and Benjamin Baran. Relationship between genetic algorithms and ant colony optimization. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [GITN04] Peng Gang, Ichiro Iimura, Hidenobu Tsurusawa, and Shigeru Nakayama. A local search algorithm based on genetic recombination for traveling salesman problem. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [Gro04] Crina Grosan. An evolutionary approach for multiobjective optimization using adaptive representation of solutions. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [HHRZ04] William H. Hsu, Scott J. Harmon, Edwin Rodriguez, and Christopher Zhong. Empirical comparison of incremental reuse strategies in genetic programming for keep-away soccer. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.

- [HSB04] John H. Holmes, Jennifer A. Sager, and Warren B. Bilker. Methods for covering missing data in XCS. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [JBB04] Wilfried Jakob, Christian Blume, and Georg Bretthauer. Towards a generally applicable self-adapting hybridization of evolutionary algorithms. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [JT04] Derek James and Philip Tucker. A comparative analysis of simplification and complexification in the evolution of neural network topologies. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [Kei04] Maarten Keijzer, editor. *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [KF04] Konstantinos Kostikas and Charalambos Fragakis. Genetic programming for guiding branch and bound search. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [KGDE04] Maheswara Prasad Kasinadhuni, Michael L. Gargano, Joseph DeCicco, and William Edelson. Self-adaptation in genetic algorithms using multiple genomic redundant representations. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [KJMG04] Sanza Kazadi, Daniel Johnson, Jhanisus Melendez, and Brian Goo. Exhaustive directed search. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [KLK04] Bijan KHosraviani, Raymond E. Levitt, and John R. Koza. Organization design optimization using genetic programming. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [KNI04] Shiori Kaige, Kaname Narukawa, and Hisao Ishibuchi. Lamarckian repair and darwinian repair in EMO algorithms for multiobjective 0/1 knapsack problems. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [KO04] Yaser Khalifa and Ehi Okoene. An autonomous agent-based surveillance system. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [KSA04] Yaser M. A. Khalifa, Hunter Shi, and Gustavo Abreu. Evolutionary music composer. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [Kum04] Sanjeev Kumar. The evolution of genetic regulatory networks for single and multicellular development. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [LB04] W. B. Langdon and W. Banzhaf. Repeated sequences in linear gp genomes. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [Lip04] Hod Lipson. How to draw a straight line using a GP: Benchmarking evolutionary design against 19th century kinematic synthesis. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.

- [LKBF04] Virginie LEFORT, Carole KNIBBE, Guillaume BESLON, and Joel FAVREL. The RBF-Gene model. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [LLM04] Fernando G. Lobo, Claudio Lima, and Hugo Martires. An architecture for massive parallelization of the compact genetic algorithm. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [LLWC04] Chungnan Lee, Yi-Te Li, Jain-Shing Wu, and Ta-Yuan Chou. Double orthogonal arrays based genetic algorithm for primer design. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [Lob04] Fernando G. Lobo. A philosophical essay on life and its connections with genetic algorithms. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [LR04] Ramon Lefuel and Brian J. Ross. Parsing probabilistic context free languages with multi-objective genetic algorithms. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [LWL<sup>+</sup>04] Kit-Ying Lee, Man-Leung Wong, Yong Liang, Kwong-Sak Leung, and Kin-Hong Lee. A-HEP: Adaptive hybrid evolutionary programming for learning bayesian networks. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [LZNT04] Xin Li, Chi Zhou, Peter C. Nelson, and Thomas M. Tirpak. Investigation of constant creation techniques in the context of gene expression programming. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [Mey04] Bernd Meyer. Convergence control in ACO. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [MHH04] Shingo Mabu, Kotaro Hirasawa, and Jinglu Hu. Genetic network programming with reinforcement learning and its performance evaluation. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [MN04] Tadahiko Murata and Takashi Nakamura. Developing cooperation of multiple agents using genetic network programming with automatically defined groups. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [MS04] Christopher K. Monson and Kevin D. Seppi. Improving on the kalman swarm: Extracting its essential characteristics. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [OR04] Daman Oberoi and Bart Rylander. Determining the best parent selection method for a genetic algorithm through varying problem sizes and complexities. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [PD04] Elena Popovici and Kenneth De Jong. Understanding competitive co-evolutionary dynamics via fitness landscapes. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.

- [PJ04] Leon Poladian and Lars Jermiin. Phylogenetic inference using evolutionary multi-objective optimisation. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [PP04] Joao C. F. Pujol and Riccardo Poli. A highly efficient function optimization with genetic programming. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [PSS04] Wojciech Piaseczny, Hideaki Suzuki, and Hidefumi Sawai. Chemical genetic programming - the effect of evolving amino acids. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [RB04] Sergio A. Rojas and Peter J. Bentley. A grid-based ant colony system for automatic program synthesis. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [Rot04] Corina Rotar. An evolutionary technique for multicriterial optimization based on endocrine paradigm. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [RVOM04] Katya Rodriguez-Vazquez and Carlos Oliver-Morales. Function approximation by means of multi-branches genetic programming. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [SD04] Zbigniew Skolicki and Kenneth De Jong. Improving evolutionary algorithms with multi-representation island models. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [SGW04] Daniel Salazar, Blas Galvan, and Gabriel Winter. Enhancing a multiobjective evolutionary algorithm through flexible evolution. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [SM04] Steven J. Simske and David C. Matthews. Navigation using inverting genetic algorithms: Initial conditions and node-node transitions. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [SPC04a] Sam Stone, Brian Pillmore, and Walling Cyre. Crossover and mutation in genetic algorithms using graph-encoded chromosomes. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [SPC04b] Sam Stone, Brian Pillmore, and Walling Cyre. Crossover and mutation in genetic algorithms using graph-encoded chromosomes. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [SS04] Matthew Settles and Terence Soule. Breeding swarms: A GA/PSO hybrid. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [TD04] Jekanthan Thangavelautham and Gabriele M. T. D'Eleuterio. application of a neuroevolutionary approach to emergent task decomposition in collective robotics. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.

- [TL04] Richard W. Timm and Hod Lipson. Periodicity emerges from evolved energy-efficient and long-range brachiation. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [TP04] Elko B. Tchernev and Dhananjay S. Phatak. Control structures in linear and stack-based genetic programming. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [Uya04] A. Sima Uyar. An adaptive diploid evolutionary algorithm for floating-point representations in dynamic environments. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [VHC04] Frederik P. J. Vandecasteele, Thomas F. Hess, and Ronald L. Crawford. A correlated fitness landscape describes growth in experimental microbial ecosystems: Initial results. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [WB04] Krzysztof Wloch and Peter J. Bentley. Optimising the performance of a formula one car using a genetic algorithm. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [WH04] Garnet C. Wilson and Malcolm I. Heywood. Search operator bias in linearly structured genetic programming. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [Woo04] John Woodward. Simple incremental testing. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [WWR04] Z. G. Wang, Y. S. Wong, and M. Rahman. Development of the parallel optimization method based on genetic simulated annealing. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [ZBL04] Viktor Zykov, Josh Bongard, and Hod Lipson. Evolving dynamic gaits on a physical robot. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.
- [ZDYK04] Sanyou Zeng, Lixin Ding, Shuzhen Yao, and Lishan Kang. KLP not always efficient. In Maarten Keijzer, editor, *Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference*, Seattle, Washington, USA, 26 July 2004.