## Список литературы

[Aldawoodi 04] Namir Aldawoodi, Rafael Perez, Wendy Alvis & Kimon Valavanis. Developing Automated Helicopter Models Using Simulated Annealing and Genetic Search. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

Namir Aldwoodi & Rafael Perez. Advanced Formula Prediction using Simulated Annealing. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

Mohammad Amin & Malin Premaratne. Constraint Handling of an Optical Components Selection Problem using a new Genetic Crossover Scheme. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

Shin Ando & Shigenobu Kobayashi. On the sampling property of real-parameter crossover. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

Benoit Bagot. The Harmonic Decision Matrix: a group of operators for the fuzzy-logic, multi-objective decisions and optimizations. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

Benoit BAGOT & Hartmut POHLHEIM. Complementary selection and variation for an efficient multiobjective optimization of complex systems. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

Edwin Roger Banks, James Hayes & Edwin Nunez. *Parametric Regression Through Genetic Programming*. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

Gregory J. Barlow, Choong K. Oh & Edward Grant. Incremental Evolution of Autonomous Controllers for Unmanned Aerial Vehicles using Multi-objective Genetic Programming. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

David Basanta, Mark Miodownik, Peter Bentley & Elizabeth Holm. *Investigating the evolvability of biologically inspired CA*. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

Erik Buehler, Sanjoy Das & Jack F. Cully. *Equilibrium and Extinction In a Trisexual Diploid Mating System*. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

Guido Cervone, Liviu Panait, Ramesh Singh, Menas Kafatos & Sean Luke. An Application of Evolutionary Algorithms to Predict the Extent of SLHF Anomaly Associated with Coastal Earthquake. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

eimeen umrepary p

[Aldwoodi 04]

[Amin 04]

[Ando 04]

[Bagot 04a]

[BAGOT 04b]

[Banks 04]

[Barlow 04]

[Basanta 04]

[Buehler 04]

[Cervone 04]

[Chen 04]

Shu-Heng Chen & Bin-Tzong Chie. Functional Modularity in the Test Bed of Economic Theory – Using Genetic Programming. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Chia 04]

Henry Wai-Kit Chia & Chew-Lim Tan. Association-Based Evolution of Comprehensible Neural Logic Networks. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Citi 04]

Luca Citi, Riccardo Poli, Caterina Cinel & Francisco Sepulveda. Feature Selection and Classification in Brain Computer Interfaces by a Genetic Algorithm. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Crawford-Marks 04]

Raphael Crawford-Marks, Lee Spector & Jon Klein. Virtual Witches and Warlocks: A Quidditch Simulator and Quidditch-Playing Teams Coevolved via Genetic Programming. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Cummins 04]

Ronan Cummins & Colm O'Riordan. Using Genetic Programming to Evolve Weighting Schemes for the Vector Space Model of Information Retrieval. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Das 04]

Sanjoy Das, Gurdip Singh, Sandeep Pujar & Praveen Koduru. Ant Colony Algorithms for Routing in Sensor Networks. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[DONCIEUX 04]

Stephane DONCIEUX, Samuel LANDAU & Nicolas GUELFI. *EcoSFERES: A Tool for the Design of Self-Organized Agent-Based Applications*. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Earon 04]

E. J. P. Earon & G. M. T. D'Eleuterio. An Agent Too Far: The Genetic Distance Evaluation of a Simulated World. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Fernlund 04]

Hans Fernlund & Avelino J. Gonzalez. *Using GP to Model Contextual Human Behavior - Competitive with Human Modeling Performance.* In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Francone 04]

Frank D. Francone, Larry M. Deschaine, Tom Battenhouse & Jeffrey J. Warren. Discrimination of Unexploded Ordnance from Clutter Using Linear Genetic Programming. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Gang 04]

Peng Gang, Ichiro Iimura, Hidenobu Tsurusawa & Shigeru Nakayama. A Local Search Algorithm Based on Genetic Recombination for Traveling Salesman Problem. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Gomez 04]

Osvaldo Gomez & Benjamin Baran. Relationship between Genetic Algorithms and Ant Colony Optimization. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Grosan 04]

Crina Grosan. An Evolutionary Approach for Multiobjective Optimization using Adaptive Representation of Solutions. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Holmes 04]

John H. Holmes, Jennifer A. Sager & Warren B. Bilker. *Methods for Covering Missing Data in XCS*. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Hsu 04]

William H. Hsu, Scott J. Harmon, Edwin Rodriguez & Christopher Zhong. Empirical Comparison of Incremental Reuse Strategies in Genetic Programming for Keep-Away Soccer. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Jakob 04]

Wilfried Jakob, Christian Blume & Georg Bretthauer. Towards a Generally Applicable Self-adapting Hybridization of Evolutionary Algorithms. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[James 04]

Derek James & Philip Tucker. A Comparative Analysis of Simplification and Complexification in the Evolution of Neural Network Topologies. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Kaige 04]

Shiori Kaige, Kaname Narukawa & Hisao Ishibuchi. Lamarckian Repair and Darwinian Repair in EMO Algorithms for Multiobjective 0/1 Knapsack Problems. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Kasinadhuni 04]

Maheswara Prasad Kasinadhuni, Michael L. Gargano, Joseph DeCicco & William Edelson. *SELF-ADAPTATION IN GENETIC ALGORITHMS USING MULTIPLE GENOMIC REDUNDANT REPRESENTATIONS*. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Kazadi 04]

Sanza Kazadi, Daniel Johnson, Jhanisus Melendez & Brian Goo. *Exhaustive Directed Search*. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Keijzer 04]

Maarten Keijzer, editeur. Late breaking papers at the 2004 genetic and evolutionary computation conference, Seattle, Washington, USA, 26 July 2004.

[Khalifa 04a]

Yaser Khalifa & Ehi Okoene. An Autonomous Agent-Based Surveillance System. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Khalifa 04b]

Yaser M. A. Khalifa, Hunter Shi & Gustavo Abreu. *Evolutionary Music Composer*. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[KHosraviani 04]

Bijan KHosraviani, Raymond E. Levitt & John R. Koza. *Organization Design Optimization Using Genetic Programming*. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Kostikas 04]

Konstantinos Kostikas & Charalambos Fragakis. Genetic Programming for Guiding Branch and Bound Search. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Kumar 04]

Sanjeev Kumar. The Evolution of Genetic Regulatory Networks for Single and Multicellular Development. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Langdon 04]

W. B. Langdon & W. Banzhaf. Repeated Sequences in Linear GP Genomes. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Lee 04a]

Chungnan Lee, Yi-Te Li, Jain-Shing Wu & Ta-Yuan Chou. *Double Orthogonal Arrays Based Genetic Algorithm for Primer Design*. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Lee 04b]

Kit-Ying Lee, Man-Leung Wong, Yong Liang, Kwong-Sak Leung & Kin-Hong Lee. A-HEP: Adaptive Hybrid Evolutionary Programming for Learning Bayesian Networks. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[LEFORT 04]

Virginie LEFORT, Carole KNIBBE, Guillaume BESLON & Joel FAVREL. *The RBF-Gene model.* In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Lefuel 04]

Ramon Lefuel & Brian J. Ross. Parsing Probabilistic Context Free Languages with Multi-Objective Genetic Algorithms. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Li 04]

Xin Li, Chi Zhou, Peter C. Nelson & Thomas M. Tirpak. *Investigation of Constant Creation Techniques in the Context of Gene Expression Programming*. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Lipson 04]

Hod Lipson. How to Draw a Straight Line Using a GP: Benchmarking Evolutionary Design Against 19th Century Kinematic Synthesis. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Lobo 04a]

Fernando G. Lobo. A philosophical essay on life and its connections with genetic algorithms. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Lobo 04b]

Fernando G. Lobo, Claudio Lima & Hugo Martires. An architecture for massive parallelization of the compact genetic algorithm. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Mabu 04]

Shingo Mabu, Kotaro Hirasawa & Jinglu Hu. Genetic Network Programming with Reinforcement Learning and its Performance Evaluation. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Meyer 04]

Bernd Meyer. Convergence Control in ACO. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Monson 04]

Christopher K. Monson & Kevin D. Seppi. Improving on the Kalman Swarm: Extracting its Essential Characteristics. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Murata 04]

Tadahiko Murata & Takashi Nakamura. Developing Cooperation of Multiple Agents Using Genetic Network Programming with Automatically Defined Groups. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Oberoi 04]

Daman Oberoi & Bart Rylander. Determining the Best Parent Selection Method for a Genetic Algorithm through Varying Problem Sizes and Complexities. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Piaseczny 04]

Wojciech Piaseczny, Hideaki Suzuki & Hidefumi Sawai. Chemical Genetic Programming - The Effect of Evolving Amino Acids. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Poladian 04]

Leon Poladian & Lars Jermiin. Phylogenetic inference using evolutionary multi-objective optimisation. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Popovici 04]

Elena Popovici & Kenneth De Jong. Understanding Competitive Coevolutionary Dynamics via Fitness Landscapes. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Pujol 04]

Joao C. F. Pujol & Riccardo Poli. A Highly Efficient Function Optimization with Genetic Programming. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Rodriguez-Vazquez 04] Katya Rodriguez-Vazquez & Carlos Oliver-Morales. Function Approximation by means of Multi-Branches Genetic Programming. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Rojas 04]

Sergio A. Rojas & Peter J. Bentley. A Grid-based Ant Colony System for Automatic Program Synthesis. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Rotar 04]

Corina Rotar. An Evolutionary Technique for Multicriterial Optimization Based on Endocrine Paradigm. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Salazar 04]

Daniel Salazar, Blas Galvan & Gabriel Winter. Enhancing A Multiobjective Evolutionary Algorithm Through Flexible Evolution. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Settles 04]

Matthew Settles & Terence Soule. Breeding Swarms: A GA/PSO Hybrid. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Simske 04]

Steven J. Simske & David C. Matthews. Navigation Using Inverting Genetic Algorithms: Initial Conditions and Node-Node Transitions. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Skolicki 04]

Zbigniew Skolicki & Kenneth De Jong. *Improving Evolutionary Algorithms with Multi-representation Island Models*. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Stone 04a]

Sam Stone, Brian Pillmore & Walling Cyre. Crossover and Mutation in Genetic Algorithms Using Graph-Encoded Chromosomes. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Stone 04b]

Sam Stone, Brian Pillmore & Walling Cyre. Crossover and Mutation in Genetic Algorithms Using Graph-Encoded Chromosomes. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Tchernev 04]

Elko B. Tchernev & Dhananjay S. Phatak. Control structures in linear and stack-based Genetic Programming. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Thangavelautham 04]

Jekanthan Thangavelautham & Gabriele M. T. D'Eleuterio. application of a Neuroevolutionary Approach to Emergent Task Decomposition in Collective Robotics. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Timm 04]

Richard W. Timm & Hod Lipson. Periodicity Emerges from Evolved Energy-Efficient and Long-Range Brachiation. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Uyar 04]

A. Sima Uyar. An Adaptive Diploid Evolutionary Algorithm for Floating-Point Representations in Dynamic Environments. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Vandecasteele 04]

Frederik P. J. Vandecasteele, Thomas F. Hess & Ronald L. Crawford. *A Correlated Fitness Landscape Describes Growth in Experimental Microbial Ecosystems: Initial Results.* In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Wang 04] Z. G. Wang, Y. S. Wong & M. Rahman. Development of the parallel optimization method based on genetic simulated annealing. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary

Computation Conference, Seattle, Washington, USA, 26 July 2004.

[Wilson 04] Garnet C. Wilson & Malcolm I. Heywood. Search Operator Bias in Linearly Structured Genetic Programming. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference,

Seattle, Washington, USA, 26 July 2004.

[Wloch 04] Krzysztof Wloch & Peter J. Bentley. Optimising the Performance of a Formula One Car using a Genetic Algorithm. In Maarten Keijzer, editeur,

Late Breaking Papers at the 2004 Genetic and Evolutionary Computation

Conference, Seattle, Washington, USA, 26 July 2004.

[Woodward 04] John Woodward. Simple Incremental Testing. In Maarten Keijzer, editeur,

Late Breaking Papers at the 2004 Genetic and Evolutionary Computation

Conference, Seattle, Washington, USA, 26 July 2004.

[Zeng 04] Sanyou Zeng, Lixin Ding, Shuzhen Yao & Lishan Kang. KLP Not Always

Efficient. In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington,

USA, 26 July 2004.

[Zykov 04] Viktor Zykov, Josh Bongard & Hod Lipson. Evolving Dynamic Gaits on a

*Physical Robot.* In Maarten Keijzer, editeur, Late Breaking Papers at the 2004 Genetic and Evolutionary Computation Conference, Seattle, Washington,

USA, 26 July 2004.