## Список литературы

From energy to information and back, [Abbott 2010] R. Abbott, in GECCO 2010 Entropy, information and complexity, edited by S. W. Card and Y. Borenstein, pp. 1841–1842, Portland, Oregon, USA, 7-11 July 2010, ACM. [Agogino 2010] A. Agogino, Component evolution for large scale air traffic optimization, in GECCO 2010 Late breaking abstracts, edited by D. Tauritz, pp. 2059–2060, Portland, Oregon, USA, 7-11 July 2010, ACM. [Ahn et al. 2010] E. Y. Ahn, T. Mullen, and J. Yen, Finding feature transformation functions using genetic algorithm, in GECCO 2010 Late breaking abstracts, edited by D. Tauritz, pp. 2061–2062, Portland, Oregon, USA, 7-11 July 2010, ACM. [Aldridge et al. 2010] S. Aldridge, M. Peterson, and B. Herzog, Image sets for the training of image processing systems, in *Eighth* GECCO Undergraduate Student Workshop, edited by C. B. Congdon and F. Moore, pp. 2039–2042, Portland, Oregon, USA, 7-11 July 2010, ACM. [Alvaro Fialho et al. 2010] Alvaro Fialho, W. Gong, and Z. Cai, matching-based adaptive strategy selection vs. uniform strategy selection within differential evolution: an empirical comparison on the bbob-2010 noiseless testbed, in Black box optimization benchmarking 2010 (BBOB 2010), edited by A. Auger, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pp. 1527-1534, Portland, Oregon, USA, 7-11 July 2010, ACM. M. Arsalan, S. A. Malik, and A. Khan, Intelligent [Arsalan et al. 2010] threshold selection for reversible watermarking of medical images, in GECCO 2010 Medical applications of genetic and evolutionary computation (MedGEC), edited by S. L. Smith, S. Cagnoni, and R. Patton, pp. 1909–1914, Portland, Oregon, USA, 7-11 July 2010, ACM. [Auger et al. 2010] A. Auger, D. Brockhoff, and N. Hansen, Comparing the (1+1)-cma-es with a mirrored (1+2)-cma-es with sequential selection on the noiseless bbob-2010 testbed. in Black box optimization benchmarking 2010 (BBOB) 2010), edited by A. Auger, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pp. 1543–1550, Portland, Oregon, USA, 7-11 July 2010, ACM.

[Babb 2010]

[Azene and Rajkumar 2010]

Can evolved forward transforms do

Y. T. Azene and R. Rajkumar, Multi-stage, multiobjective process optimisation, in *GECCO 2010 Late* breaking abstracts, edited by D. Tauritz, pp. 2063–2064,

Portland, Oregon, USA, 7-11 July 2010, ACM.

B. J. Babb.

[Bäck et al. 2010]
[Baeck 2010]

[Barreira et al. 2010]

[Bartz-Beielstein and Preuss 2010]

[Beckmann et al. 2010]

[Behdad et al. 2010]

[Butz 2010]

[Card 2010]

[Cheng et al. 2010]

[Clack 2010]

- T. Bäck, J. Knowles, and O. M. Shir, Experimental optimization by evolutionary algorithms, in *GECCO 2010 Specialized techniques and applications tutorials*, edited by U.-M. O'Reilly, pp. 2897–2916, Portland, Oregon, USA, 7-11 July 2010, ACM.
- T. Baeck, Evolution strategies: basic introduction, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pp. 2263–2288, Portland, Oregon, USA, 7-11 July 2010, ACM.
- A. F. Barreira, a. O. Carlos Eduardo de Jesus Guimar O. N. Teixeira, and a. d. Roberto Célio Lim Evolutionary artificial immune system optimization, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2065–2066, Portland, Oregon, USA, 7-11 July 2010, ACM.
- T. Bartz-Beielstein and M. Preuss, Tuning and experimental analysis in evolutionary computation: what we still have wrong, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pp. 2625–2646, Portland, Oregon, USA, 7-11 July 2010, ACM.
- B. E. Beckmann, J. Clune, and C. Ofria, Digital evolution with avida, in *GECCO 2010 Specialized techniques and applications tutorials*, edited by U.-M. O'Reilly, pp. 2917–2926, Portland, Oregon, USA, 7-11 July 2010, ACM.
- M. Behdad, L. Barone, T. French, and M. Bennamoun, An investigation of real-valued accuracy-based learning classifier systems for electronic fraud detection, in *Thirteenth international workshop on learning classifier systems*, edited by J. Bacardit, W. Browne, and J. Drugowitsch, pp. 1893–1900, Portland, Oregon, USA, 7-11 July 2010, ACM.
- M. V. Butz, Learning classifier systems, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pp. 2331–2352, Portland, Oregon, USA, 7-11 July 2010, ACM.
- S. W. Card, Information distance based fitness and diversity metrics, in *GECCO 2010 Entropy, information and complexity*, edited by S. W. Card and Y. Borenstein, pp. 1851–1854, Portland, Oregon, USA, 7-11 July 2010, ACM.
- K.-L. Cheng, I. Zuckerman, U. Kuter, and D. Nau, Emergence of cooperative societies in evolutionary games, in *GECCO 2010 Evolutionary computation* and multi-agent systems and simulation (*ECoMASS*) fourth annual workshop, edited by W. Rand and R. Riolo, pp. 1793–1800, Portland, Oregon, USA, 7-11 July 2010, ACM.
- C. D. Clack, Financial evolutionary computing, in GECCO 2010 Introductory tutorials, edited by U.-M. O'Reilly, pp. 2461–2472, Portland, Oregon, USA, 7-11 July 2010, ACM.

[Coello Coello 2010] [Crofford 2010] [David-Tabibi et al. 2010] [De Jong 2010] [Deb 2010] [Dobslaw 2010] [El-Abd 2010] [Emmerich et al. 2010] [Éné and Péroumalnaïk 2010]

C. A. Coello Coello, Constraint-handling techniques used with evolutionary algorithms, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pp. 2603–2624, Portland, Oregon, USA, 7-11 July 2010, ACM.

J. M. Crofford, Is the triple parameter hypothesis generalizable, in *Eighth GECCO Undergraduate Student Workshop*, edited by C. B. Congdon and F. Moore, pp. 2047–2050, Portland, Oregon, USA, 7-11 July 2010, ACM.

O. David-Tabibi, N. S. Netanyahu, Y. Rosenberg, and M. Shimoni, Genetic algorithms for automatic classification of moving objects, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2069–2070, Portland, Oregon, USA, 7-11 July 2010, ACM.

K. De Jong, Evolutionary computation: a unified approach, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pp. 2289–2302, Portland, Oregon, USA, 7-11 July 2010, ACM.

K. Deb, Evolutionary multi-criterion optimization, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pp. 2577–2602, Portland, Oregon, USA, 7-11 July 2010, ACM.

F. Dobslaw, An experimental study on robust parameter settings, in *GECCO 2010 Graduate student workshop*, edited by R. Poli, pp. 1999–2002, Portland, Oregon, USA, 7-11 July 2010, ACM.

M. El-Abd, Black-box optimization benchmarking for noiseless function testbed using artificial bee colony algorithm, in *Black box optimization benchmarking 2010 (BBOB 2010)*, edited by A. Auger, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pp. 1719–1724, Portland, Oregon, USA, 7-11 July 2010, ACM.

M. Emmerich, A. Deutz, R. Li, and J. Kruisselbrink, Getting lost or getting trapped: on the effect of moves toincomparable points in multiobjective hillclimbing, in *GECCO 2010 Theoretical aspects of evolutionary multiobjective optimization - current status and future trends*, edited by D. Brockhoff and N. Beume, pp. 1963–1966, Portland, Oregon, USA, 7-11 July 2010, ACM.

G. Éné and M. Péroumalnaïk, Speedup character-based matching in learning classifier systems with xor, in *Thirteenth international workshop on learning classifier systems*, edited by J. Bacardit, W. Browne, and J. Drugowitsch, pp. 1879–1884, Portland, Oregon, USA, 7-11 July 2010, ACM.

R. Evins, Configuration of a genetic algorithm for multiobjective optimisation of solar gain to buildings, in *GECCO 2010 Graduate student workshop*, edited by R. Poli, pp. 2003–2006, Portland, Oregon, USA, 7-11 July 2010, ACM.

[Evins 2010]

[Finck and Beyer 2010]	S. Finck and HG. Beyer, Benchmarking cma-egs on the bbob 2010 noiseless function testbed, in <i>Black box optimization benchmarking 2010 (BBOB 2010)</i> , edited by A. Auger, HG. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pp. 1633–1640, Portland, Oregon, USA, 7-11 July 2010, ACM.
[FitzGerald and O'Donoghue 2010]	A. FitzGerald and D. P. O'Donoghue, Biologically inspired non-mendelian repair for constraint handling in evolutionary algorithms, in <i>GECCO 2010 Evolutionary computation techniques for constraint handling</i> , edited by C. A. C. Coello, D. Curran, and T. Jansen, pp. 1817–1824, Portland, Oregon, USA, 7-11 July 2010, ACM.
[Flasch et al. 2010]	O. Flasch, O. Mersmann, and T. Bartz-Beielstein, Rgp: an open source genetic programming system for the r environment, in <i>GECCO 2010 Late breaking abstracts</i> , edited by D. Tauritz, pp. 2071–2072, Portland, Oregon, USA, 7-11 July 2010, ACM.
[Franco et al. 2010]	M. A. Franco, N. Krasnogor, and J. Bacardit, Analysing biohel using challenging boolean functions, in <i>Thirteenth international workshop on learning classifier systems</i> , edited by J. Bacardit, W. Browne, and J. Drugowitsch, pp. 1855–1862, Portland, Oregon, USA, 7-11 July 2010, ACM.
[Friedrich and Neumann 2010]	T. Friedrich and F. Neumann, Foundations of evolutionary multi-objective optimization, in <i>GECCO 2010 Advanced tutorials</i> , edited by UM. O'Reilly, pp. 2557–2576, Portland, Oregon, USA, 7-11 July 2010, ACM.
[Ghosh et al. 2010]	S. Ghosh, S. Das, and S. Das, On the asymptotic convergence of differential evolution in continuous spaces: a control theoretic approach, in <i>GECCO 2010 Late breaking abstracts</i> , edited by D. Tauritz, pp. 2073–2074, Portland, Oregon, USA, 7-11 July 2010, ACM.
[Goodman 2010]	E. D. Goodman, Introduction to genetic algorithms, in <i>GECCO 2010 Introductory tutorials</i> , edited by UM. O'Reilly, pp. 2121–2136, Portland, Oregon, USA, 7-11 July 2010, ACM.
[Hansen and Ros 2010]	N. Hansen and R. Ros, Black-box optimization benchmarking of newuoa compared to bipop-cma-es: on the bbob noiseless testbed, in <i>Black box optimization benchmarking 2010 (BBOB 2010)</i> , edited by A. Auger, HG. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pp. 1519–1526, Portland, Oregon, USA, 7-11 July 2010, ACM.
[Harrington and Pollack 2010]	K. I. Harrington and J. B. Pollack, Robot phylogenetics, in <i>GECCO 2010 Late breaking abstracts</i> , edited by D. Tauritz, pp. 2077–2078, Portland, Oregon, USA, 7-11 July 2010, ACM.

R. Hoenigman, E. Bradley, and N. Barger, Agentscapes: designing water efficient landscapes using distributed agent-based optimization, in *GECCO 2010 Evolutionary* 

[Hoenigman et al. 2010]

[Hosny and Mumford 2010]

[Hu et al. 2010]

[Hurley 2010]

[Icke and Rosenberg 2010]

[Iordache 2010]

[Jansen and Neumann 2010]

[Kim 2010]

[Kimbrough et al. 2010]

[Knittel 2010]

[Koppaka and Hota 2010]

computation and multi-agent systems and simulation (ECoMASS) - fourth annual workshop, edited by W. Rand and R. Riolo, pp. 1777–1784, Portland, Oregon, USA, 7-11 July 2010, ACM.

- M. I. Hosny and C. L. Mumford, An adaptive hybrid vns/sa approach to the one-commodity pickup and delivery problem, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2079–2080, Portland, Oregon, USA, 7-11 July 2010, ACM.
- H. Hu, L. Xu, and E. D. Goodman, A control optimization algorithm for greenhouse climate control problems, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2081–2082, Portland, Oregon, USA, 7-11 July 2010, ACM.
- J. Hurley, Lesr class: an lcs for securities trading rulesets, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2083–2084, Portland, Oregon, USA, 7-11 July 2010, ACM.
- I. Icke and A. Rosenberg, Dimensionality reduction using symbolic regression, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2085–2086, Portland, Oregon, USA, 7-11 July 2010, ACM.
- S. Iordache, Consultant-guided search combined with local search for the traveling salesman problem, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2087–2088, Portland, Oregon, USA, 7-11 July 2010, ACM.
- T. Jansen and F. Neumann, Computational complexity and evolutionary computation, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pp. 2683–2710, Portland, Oregon, USA, 7-11 July 2010, ACM.
- J.-W. Kim, Evolutionary learning in networked multiagent organizations, in *GECCO 2010 Graduate student workshop*, edited by R. Poli, pp. 2007–2010, Portland, Oregon, USA, 7-11 July 2010, ACM.
- S. O. Kimbrough, A. Kuo, and H. C. Lau, On decision support for deliberating with constraints in constrained optimization models, in *GECCO 2010 Evolutionary computation techniques for constraint handling*, edited by C. A. C. Coello, D. Curran, and T. Jansen, pp. 1833–1840, Portland, Oregon, USA, 7-11 July 2010, ACM.
- A. Knittel, An activation reinforcement based classifier system for balancing generalisation and specialisation (arcs), in *Thirteenth international workshop on learning classifier systems*, edited by J. Bacardit, W. Browne, and J. Drugowitsch, pp. 1871–1878, Portland, Oregon, USA, 7-11 July 2010, ACM.
- S. Koppaka and A. R. Hota, Superior explorationexploitation balance with quantum-inspired hadamard walks, in *GECCO 2010 Late breaking abstracts*, edited

[Kotanchek 2010]

[Koza 2010]

[Kubalik 2010]

[Kuber and Mohan 2010]

[Kukunas et al. 2010]

[Lara et al. 2010]

[LaTorre et al. 2010]

[Li et al. 2010]

[Lima Junior et al. 2010]

by D. Tauritz, pp. 2093–2094, Portland, Oregon, USA, 7-11 July 2010, ACM.

- M. Kotanchek, Real-world data modeling, in *GECCO* 2010 Specialized techniques and applications tutorials, edited by U.-M. O'Reilly, pp. 2863–2896, Portland, Oregon, USA, 7-11 July 2010, ACM.
- J. R. Koza, Introduction to genetic programming tutorial: from the basics to human-competitive results, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pp. 2137–2262, Portland, Oregon, USA, 7-11 July 2010, ACM.
- J. Kubalik, Black-box optimization benchmarking of two variants of the poems algorithm on the noiseless testbed, in *Black box optimization benchmarking 2010 (BBOB 2010)*, edited by A. Auger, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pp. 1567–1574, Portland, Oregon, USA, 7-11 July 2010, ACM.
- K. Kuber and C. K. Mohan, Information theoretic fitness measures for learning classifier systems, in *Thirteenth international workshop on learning classifier systems*, edited by J. Bacardit, W. Browne, and J. Drugowitsch, pp. 1885–1892, Portland, Oregon, USA, 7-11 July 2010, ACM.
- J. Kukunas, R. D. Cupper, and G. M. Kapfhammer, A genetic algorithm to improve linux kernel performance on resource-constrained devices, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2095–2096, Portland, Oregon, USA, 7-11 July 2010, ACM.
- A. Lara, O. Schuetze, and C. A. Coello Coello, New challenges for memetic algorithms on continuous multiobjective problems, in *GECCO 2010 Theoretical aspects* of evolutionary multiobjective optimization - current status and future trends, edited by D. Brockhoff and N. Beume, pp. 1967–1970, Portland, Oregon, USA, 7-11 July 2010, ACM.
- A. LaTorre, S. Muelas, and J. M. Pena, Benchmarking a mos-based algorithm on the bbob-2010 noiseless function testbed, in *Black box optimization benchmarking 2010 (BBOB 2010)*, edited by A. Auger, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pp. 1649–1656, Portland, Oregon, USA, 7-11 July 2010, ACM.
- R. Li, M. R. Chaudron, and R. C. Ladan, Towards automated software architectures design using model transformations and evolutionary algorithms, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2097–2098, Portland, Oregon, USA, 7-11 July 2010, ACM.
- A. R. Lima Junior, D. A. Silva, P. S. Mattos Neto, and T. A. Ferreira, An experimental study of fitness function and time series forecasting using artificial

[Lobo and Lima 2010]

[Lopez-Ibanez et al. 2010]

[Loshchilov et al. 2010]

[Machmudah et al. 2010]

[Matayoshi 2010]

[McRee 2010]

[Meuth 2010]

[Miikkulainen 2010]

[Miller et al. 2010]

neural networks, in *GECCO 2010 Graduate student workshop*, edited by R. Poli, pp. 2015–2018, Portland, Oregon, USA, 7-11 July 2010, ACM.

- F. G. Lobo and C. F. Lima, Towards automated selection of estimation of distribution algorithms, in *Optimization by building and using probabilistic models (OBUPM-2010)*, edited by M. Hauschild and M. Pelikan, pp. 1945–1952, Portland, Oregon, USA, 7-11 July 2010, ACM.
- M. Lopez-Ibanez, T. Stuetzle, and L. Paquete, Graphical tools for the analysis of bi-objective optimization algorithms: [workshop on theoretical aspects of evolutionary multiobjective optimization], in *GECCO 2010 Theoretical aspects of evolutionary multiobjective optimization current status and future trends*, edited by D. Brockhoff and N. Beume, pp. 1959–1962, Portland, Oregon, USA, 7-11 July 2010, ACM.
- I. Loshchilov, M. Schoenauer, and M. Sebag, A pareto-compliant surrogate approach for multiobjective optimization, in *GECCO 2010 Theoretical aspects of evolutionary multiobjective optimization current status and future trends*, edited by D. Brockhoff and N. Beume, pp. 1979–1982, Portland, Oregon, USA, 7-11 July 2010, ACM.
- A. Machmudah, S. Parman, and A. Zainuddin, Uav bezier curve maneuver planning using genetic algorithm, in *GECCO 2010 Graduate student workshop*, edited by R. Poli, pp. 2019–2022, Portland, Oregon, USA, 7-11 July 2010, ACM.
- M. Matayoshi, Corner junction: a new strategy for 2d strip packing, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2099–2100, Portland, Oregon, USA, 7-11 July 2010, ACM.
- R. K. McRee, Symbolic regression using nearest neighbor indexing, in *GECCO 2010 Symbolic regression workshop*, edited by S. Gustafson and M. Kotanchek, pp. 1983–1990, Portland, Oregon, USA, 7-11 July 2010, ACM.
- R. J. Meuth, Meta-learning genetic programming, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2101–2102, Portland, Oregon, USA, 7-11 July 2010, ACM.
- R. Miikkulainen, Evolving neural networks, in *GECCO* 2010 Introductory tutorials, edited by U.-M. O'Reilly, pp. 2441–2460, Portland, Oregon, USA, 7-11 July 2010, ACM.
- J. F. Miller, S. L. Smith, and Y. Zhang, Detection of microcalcifications in mammograms using multichromosome cartesian genetic programming, in *GECCO* 2010 Medical applications of genetic and evolutionary computation (MedGEC), edited by S. L. Smith,

[Milton and Kennedy 2010]

[Moore 2010]

[Narasimhan et al. 2010]

[Parinov 2010]

[Parra et al. 2010]

[Parracho et al. 2010]

[Patton et al. 2010]

[Pelikan 2010]

[Peroumalnaik and Énée 2010]

[Pilat and Pestov 2010]

- S. Cagnoni, and R. Patton, pp. 1923–1930, Portland, Oregon, USA, 7-11 July 2010, ACM.
- J. Milton and P. J. Kennedy, Entropy profiles of ranked and random populations, in *GECCO 2010 Entropy*, information and complexity, edited by S. W. Card and Y. Borenstein, pp. 1843–1850, Portland, Oregon, USA, 7-11 July 2010, ACM.
- J. H. Moore, Bioinformatics, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pp. 2503–2534, Portland, Oregon, USA, 7-11 July 2010, ACM.
- H. Narasimhan, S. Satheesh, and D. Sriram, Automatic summarization of cricket video events using genetic algorithm, in *Eighth GECCO Undergraduate Student Workshop*, edited by C. B. Congdon and F. Moore, pp. 2051–2054, Portland, Oregon, USA, 7-11 July 2010, ACM.
- O. Parinov, The implementation and improvements of genetic algorithm for job-shop scheduling problems, in *Eighth GECCO Undergraduate Student Workshop*, edited by C. B. Congdon and F. Moore, pp. 2055–2058, Portland, Oregon, USA, 7-11 July 2010, ACM.
- J. Parra, L. Trujillo, and P. Melin, Backpropagation learning with a (1+1) es, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2103–2104, Portland, Oregon, USA, 7-11 July 2010, ACM.
- P. Parracho, R. Neves, and N. Horta, Trading in financial markets using pattern recognition optimized by genetic algorithms, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2105–2106, Portland, Oregon, USA, 7-11 July 2010, ACM.
- R. M. Patton, B. G. Beckerman, T. E. Potok, and J. N. Treadwell, Genetic algorithm for analysis of abdominal aortic aneurysms in radiology reports, in *GECCO 2010 Medical applications of genetic and evolutionary computation (MedGEC)*, edited by S. L. Smith, S. Cagnoni, and R. Patton, pp. 1931–1936, Portland, Oregon, USA, 7-11 July 2010, ACM.
- M. Pelikan, Probabilistic model-building genetic algorithms, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pp. 2303–2330, Portland, Oregon, USA, 7-11 July 2010, ACM.
- M. Peroumalnaik and G. Énée, Prediction using pittsburgh learning classifier systems: Apcs use case, in *Thirteenth international workshop on learning classifier systems*, edited by J. Bacardit, W. Browne, and J. Drugowitsch, pp. 1901–1908, Portland, Oregon, USA, 7-11 July 2010, ACM.
- M. L. Pilat and I. Pestov, Evolutionary computation on complex spatially-distributed networks, in *GECCO* 2010 Late breaking abstracts, edited by D. Tauritz, pp.

2107–2108, Portland, Oregon, USA, 7-11 July 2010, ACM.

R. Poli, Genetic programming theory, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pp. 2473–2502, Portland, Oregon, USA, 7-11 July 2010, ACM.

P. Pošík, Comparison of cauchy eda and bipop-cma-es algorithms on the bbob noiseless testbed, in *Black box optimization benchmarking 2010 (BBOB 2010)*, edited by A. Auger, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pp. 1697–1702, Portland, Oregon, USA, 7-11 July 2010, ACM.

H. Prasain, P. Thulasiraman, R. K. Thulasiram, and G. K. Jha, Particle swarm optimization algorithm for option pricing: extended abstract, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2109–2110, Portland, Oregon, USA, 7-11 July 2010, ACM.

M. Preuss, Niching the cma-es via nearest-better clustering, in *Black box optimization benchmarking 2010 (BBOB 2010)*, edited by A. Auger, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pp. 1711–1718, Portland, Oregon, USA, 7-11 July 2010, ACM.

M. A. Z. Raja, J. A. Khan, and I. M. Qureshi, Heuristic computational approach using swarm intelligence in solving fractional differential equations, in *GECCO 2010 Graduate student workshop*, edited by R. Poli, pp. 2023–2026, Portland, Oregon, USA, 7-11 July 2010, ACM.

M. Raschip and H. Luchian, Using messy genetic algorithms for solving the winner determination problem, in *GECCO 2010 Evolutionary computation techniques for constraint handling*, edited by C. A. C. Coello, D. Curran, and T. Jansen, pp. 1825–1832, Portland, Oregon, USA, 7-11 July 2010, ACM.

R. Ros, Comparison of newuoa with different numbers of interpolation points on the bbob noiseless testbed, in *Black box optimization benchmarking 2010 (BBOB 2010)*, edited by A. Auger, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pp. 1487–1494, Portland, Oregon, USA, 7-11 July 2010, ACM.

F. Rothlauf, Representations for evolutionary algorithms, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pp. 2535–2556, Portland, Oregon, USA, 7-11 July 2010, ACM.

C. Ryan, Grammatical evolution tutorial, in *GECCO* 2010 Introductory tutorials, edited by U.-M. O'Reilly, pp. 2385–2412, Portland, Oregon, USA, 7-11 July 2010, ACM.

Y. Sato and H. Inoue, Genetic operations to solve sudoku puzzles, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2111–2112, Portland, Oregon, USA, 7-11 July 2010, ACM.

[Poli 2010]

[Pošík 2010]

[Prasain et al. 2010]

[Preuss 2010]

[Raja et al. 2010]

[Raschip and Luchian 2010]

[Ros 2010]

[Rothlauf 2010]

[Ryan 2010]

[Sato and Inoue 2010]

[Schuetze et al. 2010]

[Silva 2010]

[Smith 2010]

[Soule and Heckendorn 2010]

[Spector 2010]

[Stalph et al. 2010]

[Stanley 2010]

[Teixeira et al. 2010]

[Thierens 2010]

[Tran and Jin 2010]

- O. Schuetze, X. Equivel, A. Lara, and C. A. Coello Coello, Some comments on gd and igd and relations to the hausdorff distance, in *GECCO 2010 Theoretical aspects of evolutionary multiobjective optimization current status and future trends*, edited by D. Brockhoff and N. Beume, pp. 1971–1974, Portland, Oregon, USA, 7-11 July 2010, ACM.
- S. Silva, Handling bloat in gp, in *GECCO 2010 Specialized techniques and applications tutorials*, edited by U.-M. O'Reilly, pp. 2769–2794, Portland, Oregon, USA, 7-11 July 2010, ACM.
- J. T. Smith, Implicit fitness and heterogeneous preferences in the genetic algorithm, in *GECCO 2010 Evolutionary computation and multi-agent systems and simulation (ECoMASS) fourth annual workshop*, edited by W. Rand and R. Riolo, pp. 1785–1792, Portland, Oregon, USA, 7-11 July 2010, ACM.
- T. Soule and R. B. Heckendorn, A developmental approach to evolving scalable hierarchies for multi-agent swarms, in *GECCO 2010 Evolutionary computation* and multi-agent systems and simulation (*ECoMASS*) fourth annual workshop, edited by W. Rand and R. Riolo, pp. 1769–1776, Portland, Oregon, USA, 7-11 July 2010, ACM.
- L. Spector, Evolution of quantum algorithms, in *GECCO 2010 Specialized techniques and applications tutorials*, edited by U.-M. O'Reilly, pp. 2739–2768, Portland, Oregon, USA, 7-11 July 2010, ACM.
- P. O. Stalph, J. Rubinsztajn, O. Sigaud, and M. V. Butz, A comparative study: function approximation with lwpr and xcsf, in *Thirteenth international workshop on learning classifier systems*, edited by J. Bacardit, W. Browne, and J. Drugowitsch, pp. 1863–1870, Portland, Oregon, USA, 7-11 July 2010, ACM.
- K. O. Stanley, Generative and developmental systems, in *GECCO 2010 Specialized techniques and applications tutorials*, edited by U.-M. O'Reilly, pp. 2841–2862, Portland, Oregon, USA, 7-11 July 2010, ACM.
- O. N. Teixeira, F. H. de Brito, W. A. da Luz Lobato, A. N. Teixeira, C. T. K. Yasojima, and a. d. Roberto Célio Lim Fuzzy social interaction genetic algorithm, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2113–2114, Portland, Oregon, USA, 7-11 July 2010, ACM.
- D. Thierens, Linkage tree genetic algorithm: first results, in *Optimization by building and using probabilistic models (OBUPM-2010)*, edited by M. Hauschild and M. Pelikan, pp. 1953–1958, Portland, Oregon, USA, 7-11 July 2010, ACM.
- T.-D. Tran and G.-G. Jin, Real-coded genetic algorithm benchmarked on noiseless black-box optimization

[Valencia et al. 2010]

[Vanneschi 2010]

[Vose 2010]

[Voßet al. 2010]

[Weise et al. 2010]

[Widera et al. 2010]

[Williams and Kapfhammer 2010]

[Wineberg and Christensen 2010]

[Winkler et al. 2010]

testbed, in *Black box optimization benchmarking 2010* (*BBOB 2010*), edited by A. Auger, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pp. 1731–1738, Portland, Oregon, USA, 7-11 July 2010, ACM.

- P. Valencia, R. Jurdak, and P. Lindsay, Fitness importance for online evolution, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2117–2118, Portland, Oregon, USA, 7-11 July 2010, ACM.
- L. Vanneschi, Fitness landscapes and problem hardness in genetic programming, in *GECCO 2010 Specialized techniques and applications tutorials*, edited by U.-M. O'Reilly, pp. 2711–2738, Portland, Oregon, USA, 7-11 July 2010, ACM.
- M. D. Vose, Course notes: genetic algorithm theory, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pp. 2647–2660, Portland, Oregon, USA, 7-11 July 2010, ACM.
- T. Voß, T. Friedrich, K. Bringmann, and C. Igel, Scaling up indicator-based moeas by approximating the least hypervolume contributor: a preliminary study, in *GECCO 2010 Theoretical aspects of evolutionary multiobjective optimization current status and future trends*, edited by D. Brockhoff and N. Beume, pp. 1975–1978, Portland, Oregon, USA, 7-11 July 2010, ACM.
- T. Weise, L. Niu, and K. Tang, Aoab: automated optimization algorithm benchmarking, in *Black box optimization benchmarking 2010 (BBOB 2010)*, edited by A. Auger, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pp. 1479–1486, Portland, Oregon, USA, 7-11 July 2010, ACM.
- P. Widera, J. Bacardit, N. Krasnogor, C. García-Martínez, and M. Lozano, Evolutionary symbolic discovery for bioinformatics, systems and synthetic biology, in *GECCO 2010 Symbolic regression workshop*, edited by S. Gustafson and M. Kotanchek, pp. 1991–1998, Portland, Oregon, USA, 7-11 July 2010, ACM.
- Z. D. Williams and G. M. Kapfhammer, Using synthetic test suites to empirically compare search-based and greedy prioritizers, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2119–2120, Portland, Oregon, USA, 7-11 July 2010, ACM.
- M. Wineberg and S. Christensen, Statistical analysis for evolutionary computation: introduction, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pp. 2413–2440, Portland, Oregon, USA, 7-11 July 2010, ACM.
- S. M. Winkler, M. Affenzeller, W. Jacak, and H. Stekel, Classification of tumor marker values using heuristic data mining methods, in *GECCO 2010 Medical applications of genetic and evolutionary computation (MedGEC)*, edited by S. L. Smith, S. Cagnoni, and

R. Patton, pp. 1915-1922, Portland, Oregon, USA, 7-11 July 2010, ACM.

[Witt 2010]

C. Witt, Theory of randomised search heuristics in combinatorial optimisation, in GECCO 2010 Specialized techniques and applications tutorials, edited by U.-M. O'Reilly, pp. 2795–2840, Portland, Oregon, USA, 7-11 July 2010, ACM.

[Yang et al. 2010]

C. Yang, S. Kurahashi, I. Ono, and T. Terano, Patternoriented inverse simulation for agent-based modeling: an analysis of family strategies, in *GECCO* 2010 Evolutionary computation and multi-agent systems and simulation (ECoMASS) - fourth annual workshop, edited by W. Rand and R. Riolo, pp. 1801–1808, Portland, Oregon, USA, 7-11 July 2010, ACM.

[Zapotecas Martínez and Coello Coello 2010] S. Zapotecas Martínez and C. A. Coello Coello, A novel diversification strategy for multi-objective evolutionary algorithms, in GECCO 2010 Graduate student workshop, edited by R. Poli, pp. 2031-2034, Portland, Oregon, USA, 7-11 July 2010, ACM.

[Zechman 2010]

E. M. Zechman, Integrating complex adaptive system simulation and evolutionary computation to support water infrastructure threat management, in GECCO 2010 Evolutionary computation and multi-agent systems and simulation (ECoMASS) - fourth annual workshop, edited by W. Rand and R. Riolo, pp. 1809–1816, Portland, Oregon, USA, 7-11 July 2010, ACM.

[Zhu 2010]

Z. Z. Zhu, Constraint handling with modified hypervolume indicator for multi-objective optimization problems, in GECCO 2010 Graduate student workshop, edited by R. Poli, pp. 2035–2038, Portland, Oregon, USA, 7-11 July 2010, ACM.