## Список литературы

- [1] T. Weise, L. Niu and K. Tang, Aoab: automated optimization algorithm benchmarking, in *Black box optimization benchmarking 2010 (BBOB 2010)*, edited by A. Auger *et al.*, pp. 1479–1486, Portland, Oregon, USA, 2010, ACM.
- [2] 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 et al., pp. 1487–1494, Portland, Oregon, USA, 2010, ACM.
- [3] N. Hansen and R. Ros, Black-box optimization benchmarking of newuoa compared to bipop-cma-es: on the bbob noiseless testbed, in *Black box optimization benchmarking 2010 (BBOB 2010)*, edited by A. Auger *et al.*, pp. 1519–1526, Portland, Oregon, USA, 2010, ACM.
- [4] Álvaro Fialho, W. Gong and Z. Cai, Probability 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 *et al.*, pp. 1527–1534, Portland, Oregon, USA, 2010, ACM.
- [5] 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 *et al.*, pp. 1543–1550, Portland, Oregon, USA, 2010, ACM.
- [6] 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 *et al.*, pp. 1567–1574, Portland, Oregon, USA, 2010, ACM.
- [7] S. Finck and H.-G. Beyer, Benchmarking cma-egs on the bbob 2010 noiseless function testbed, in *Black box optimization benchmarking 2010 (BBOB 2010)*, edited by A. Auger *et al.*, pp. 1633–1640, Portland, Oregon, USA, 2010, ACM.
- [8] 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 *et al.*, pp. 1649–1656, Portland, Oregon, USA, 2010, ACM.
- [9] 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 *et al.*, pp. 1697–1702, Portland, Oregon, USA, 2010, ACM.
- [10] M. Preuss, Niching the cma-es via nearest-better clustering, in *Black box optimization benchmarking 2010 (BBOB 2010)*, edited by A. Auger *et al.*, pp. 1711–1718, Portland, Oregon, USA, 2010, ACM.
- [11] 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 *et al.*, pp. 1719–1724, Portland, Oregon, USA, 2010, ACM.
- [12] T.-D. Tran and G.-G. Jin, Real-coded genetic algorithm benchmarked on noiseless black-box optimization testbed, in *Black box optimization benchmarking 2010 (BBOB 2010)*, edited by A. Auger *et al.*, pp. 1731–1738, Portland, Oregon, USA, 2010, ACM.
- [13] 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, 2010, ACM.
- [14] R. Hoenigman, E. Bradley and N. Barger, Agentscapes: designing water efficient landscapes using distributed agent-based optimization, in GECCO 2010 Evolutionary computation and multi-agent systems and simulation (ECoMASS) fourth annual workshop, edited by W. Rand and R. Riolo, pp. 1777–1784, Portland, Oregon, USA, 2010, ACM.

- [15] 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, 2010, ACM.
- [16] 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, 2010, ACM.
- [17] C. Yang, S. Kurahashi, I. Ono and T. Terano, Pattern-oriented 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, 2010, ACM.
- [18] 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, 2010, ACM.
- [19] A. FitzGerald and D. P. O'Donoghue, Biologically inspired non-mendelian repair for constraint handling in evolutionary algorithms, in *GECCO 2010 Evolutionary computation techniques for* constraint handling, edited by C. A. C. Coello, D. Curran and T. Jansen, pp. 1817–1824, Portland, Oregon, USA, 2010, ACM.
- [20] 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, 2010, ACM.
- [21] 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, 2010, ACM.
- [22] R. Abbott, From energy to information and back, in GECCO 2010 Entropy, information and complexity, edited by S. W. Card and Y. Borenstein, pp. 1841–1842, Portland, Oregon, USA, 2010, ACM.
- [23] 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, 2010, ACM.
- [24] 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, 2010, ACM.
- [25] M. A. Franco, N. Krasnogor and J. Bacardit, Analysing biohel using challenging boolean functions, in *Thirteenth international workshop on learning classifier systems*, edited by J. Bacardit, W. Browne and J. Drugowitsch, pp. 1855–1862, Portland, Oregon, USA, 2010, ACM.
- [26] 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, 2010, ACM.
- [27] 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, 2010, ACM.

- [28] 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, 2010, ACM.
- [29] 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, 2010, ACM.
- [30] 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, 2010, ACM.
- [31] 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, 2010, ACM.
- [32] M. Arsalan, S. A. Malik and A. Khan, Intelligent 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, 2010, ACM.
- [33] 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, 2010, ACM.
- [34] J. F. Miller, S. L. Smith and Y. Zhang, Detection of microcalcifications in mammograms using multi-chromosome cartesian genetic programming, in *GECCO 2010 Medical applications* of genetic and evolutionary computation (MedGEC), edited by S. L. Smith, S. Cagnoni and R. Patton, pp. 1923–1930, Portland, Oregon, USA, 2010, ACM.
- [35] 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, 2010, ACM.
- [36] 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, 2010, ACM.
- [37] 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, 2010, ACM.
- [38] 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, 2010, ACM.
- [39] 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, 2010, ACM.
- [40] A. Lara, O. Schuetze and C. A. Coello Coello, New challenges for memetic algorithms on continuous multi-objective 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, 2010, ACM.

- [41] 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, 2010, ACM.
- [42] 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, 2010, ACM.
- [43] 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, 2010, ACM.
- [44] 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, 2010, ACM.
- [45] 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, 2010, ACM.
- [46] 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, 2010, ACM.
- [47] R. Evins, Configuration of a genetic algorithm for multi-objective optimisation of solar gain to buildings, in GECCO 2010 Graduate student workshop, edited by R. Poli, pp. 2003–2006, Portland, Oregon, USA, 2010, ACM.
- [48] J.-W. Kim, Evolutionary learning in networked multi-agent organizations, in GECCO 2010 Graduate student workshop, edited by R. Poli, pp. 2007–2010, Portland, Oregon, USA, 2010, ACM.
- [49] 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 neural networks, in *GECCO 2010 Graduate student workshop*, edited by R. Poli, pp. 2015–2018, Portland, Oregon, USA, 2010, ACM.
- [50] 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, 2010, ACM.
- [51] 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, 2010, ACM.
- [52] S. Zapotecas Martínez and C. A. Coello Coello, A novel diversification strategy for multiobjective evolutionary algorithms, in *GECCO 2010 Graduate student workshop*, edited by R. Poli, pp. 2031–2034, Portland, Oregon, USA, 2010, ACM.
- [53] 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, 2010, ACM.
- [54] 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, 2010, ACM.

- [55] B. J. Babb, Can evolved forward transforms do better than wavelets, in *Eighth GECCO Undergraduate Student Workshop*, edited by C. B. Congdon and F. Moore, pp. 2043–2046, Portland, Oregon, USA, 2010, ACM.
- [56] 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, 2010, ACM.
- [57] 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, 2010, ACM.
- [58] 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, 2010, ACM.
- [59] 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, 2010, ACM.
- [60] 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, 2010, ACM.
- [61] Y. T. Azene and R. Rajkumar, Multi-stage, multi-objective process optimisation, in GECCO 2010 Late breaking abstracts, edited by D. Tauritz, pp. 2063–2064, Portland, Oregon, USA, 2010, ACM.
- [62] 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, 2010, ACM.
- [63] 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, 2010, ACM.
- [64] O. Flasch, O. Mersmann and T. Bartz-Beielstein, Rgp: an open source genetic programming system for the r environment, in GECCO 2010 Late breaking abstracts, edited by D. Tauritz, pp. 2071–2072, Portland, Oregon, USA, 2010, ACM.
- [65] S. Ghosh, S. Das and S. Das, On the asymptotic convergence of differential evolution in continuous spaces: a control theoretic approach, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2073–2074, Portland, Oregon, USA, 2010, ACM.
- [66] K. I. Harrington and J. B. Pollack, Robot phylogenetics, in GECCO 2010 Late breaking abstracts, edited by D. Tauritz, pp. 2077–2078, Portland, Oregon, USA, 2010, ACM.
- [67] 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, 2010, ACM.
- [68] 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, 2010, ACM.
- [69] 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, 2010, ACM.
- [70] 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, 2010, ACM.

- [71] 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, 2010, ACM.
- [72] S. Koppaka and A. R. Hota, Superior exploration-exploitation balance with quantum-inspired hadamard walks, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2093–2094, Portland, Oregon, USA, 2010, ACM.
- [73] 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, 2010, ACM.
- [74] 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, 2010, ACM.
- [75] 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, 2010, ACM.
- [76] R. J. Meuth, Meta-learning genetic programming, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2101–2102, Portland, Oregon, USA, 2010, ACM.
- [77] 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, 2010, ACM.
- [78] 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, 2010, ACM.
- [79] 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, 2010, ACM.
- [80] 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, 2010, ACM.
- [81] 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, 2010, ACM.
- [82] O. N. Teixeira *et al.*, Fuzzy social interaction genetic algorithm, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pp. 2113–2114, Portland, Oregon, USA, 2010, ACM.
- [83] 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, 2010, ACM.
- [84] 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, 2010, ACM.
- [85] E. D. Goodman, Introduction to genetic algorithms, in GECCO 2010 Introductory tutorials, edited by U.-M. O'Reilly, pp. 2121–2136, Portland, Oregon, USA, 2010, ACM.
- [86] 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, 2010, ACM.
- [87] T. Baeck, Evolution strategies: basic introduction, in GECCO 2010 Introductory tutorials, edited by U.-M. O'Reilly, pp. 2263–2288, Portland, Oregon, USA, 2010, ACM.

- [88] 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, 2010, ACM.
- [89] M. Pelikan, Probabilistic model-building genetic algorithms, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pp. 2303–2330, Portland, Oregon, USA, 2010, ACM.
- [90] M. V. Butz, Learning classifier systems, in GECCO 2010 Introductory tutorials, edited by U.-M. O'Reilly, pp. 2331–2352, Portland, Oregon, USA, 2010, ACM.
- [91] C. Ryan, Grammatical evolution tutorial, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pp. 2385–2412, Portland, Oregon, USA, 2010, ACM.
- [92] 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, 2010, ACM.
- [93] R. Miikkulainen, Evolving neural networks, in GECCO 2010 Introductory tutorials, edited by U.-M. O'Reilly, pp. 2441–2460, Portland, Oregon, USA, 2010, ACM.
- [94] C. D. Clack, Financial evolutionary computing, in GECCO 2010 Introductory tutorials, edited by U.-M. O'Reilly, pp. 2461–2472, Portland, Oregon, USA, 2010, ACM.
- [95] R. Poli, Genetic programming theory, in GECCO 2010 Advanced tutorials, edited by U.-M. O'Reilly, pp. 2473–2502, Portland, Oregon, USA, 2010, ACM.
- [96] J. H. Moore, Bioinformatics, in GECCO 2010 Advanced tutorials, edited by U.-M. O'Reilly, pp. 2503–2534, Portland, Oregon, USA, 2010, ACM.
- [97] F. Rothlauf, Representations for evolutionary algorithms, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pp. 2535–2556, Portland, Oregon, USA, 2010, ACM.
- [98] T. Friedrich and F. Neumann, Foundations of evolutionary multi-objective optimization, in GECCO 2010 Advanced tutorials, edited by U.-M. O'Reilly, pp. 2557–2576, Portland, Oregon, USA, 2010, ACM.
- [99] K. Deb, Evolutionary multi-criterion optimization, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pp. 2577–2602, Portland, Oregon, USA, 2010, ACM.
- [100] 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, 2010, ACM.
- [101] 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, 2010, ACM.
- [102] 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, 2010, ACM.
- [103] 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, 2010, ACM.
- [104] 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, 2010, ACM.
- [105] 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, 2010, ACM.
- [106] 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, 2010, ACM.

- [107] 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, 2010, ACM.
- [108] 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, 2010, ACM.
- [109] 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, 2010, ACM.
- [110] 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, 2010, ACM.
- [111] 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, 2010, ACM.