

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, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pages 1479–1486, Portland, Oregon, USA, 7-11 July 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, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pages 1487–1494, Portland, Oregon, USA, 7-11 July 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, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pages 1519–1526, Portland, Oregon, USA, 7-11 July 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 bbo-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, pages 1527–1534, Portland, Oregon, USA, 7-11 July 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, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pages 1543–1550, Portland, Oregon, USA, 7-11 July 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, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pages 1567–1574, Portland, Oregon, USA, 7-11 July 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, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pages 1633–1640, Portland, Oregon, USA, 7-11 July 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, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pages 1649–1656, Portland, Oregon, USA, 7-11 July 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, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pages 1697–1702, Portland, Oregon, USA, 7-11 July 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, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pages 1711–1718, Portland, Oregon, USA, 7-11 July 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, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pages 1719–1724, Portland, Oregon, USA, 7-11 July 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, H.-G. Beyer, N. Hansen, S. Finck, R. Ros, and P. Posik, pages 1731–1738, Portland, Oregon, USA, 7-11 July 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, pages 1769–1776, Portland, Oregon, USA, 7-11 July 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, pages 1777–1784, Portland, Oregon, USA, 7-11 July 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, pages 1785–1792, Portland, Oregon, USA, 7-11 July 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, pages 1793–1800, Portland, Oregon, USA, 7-11 July 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, pages 1801–1808, Portland, Oregon, USA, 7-11 July 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, pages 1809–1816, Portland, Oregon, USA, 7-11 July 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, pages 1817–1824, Portland, Oregon, USA, 7-11 July 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, pages 1825–1832, Portland, Oregon, USA, 7-11 July 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, pages 1833–1840, Portland, Oregon, USA, 7-11 July 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, pages 1841–1842, Portland, Oregon, USA, 7-11 July 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, pages 1843–1850, Portland, Oregon, USA, 7-11 July 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, pages 1851–1854, Portland, Oregon, USA, 7-11 July 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, pages 1855–1862, Portland, Oregon, USA, 7-11 July 2010, ACM.

- [26] P. O. Stalphy, 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, pages 1863–1870, Portland, Oregon, USA, 7-11 July 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, pages 1871–1878, Portland, Oregon, USA, 7-11 July 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, pages 1879–1884, Portland, Oregon, USA, 7-11 July 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, pages 1885–1892, Portland, Oregon, USA, 7-11 July 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, pages 1893–1900, Portland, Oregon, USA, 7-11 July 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, pages 1901–1908, Portland, Oregon, USA, 7-11 July 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, pages 1909–1914, Portland, Oregon, USA, 7-11 July 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, pages 1915–1922, Portland, Oregon, USA, 7-11 July 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, pages 1923–1930, Portland, Oregon, USA, 7-11 July 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, pages 1931–1936, Portland, Oregon, USA, 7-11 July 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, pages 1945–1952, Portland, Oregon, USA, 7-11 July 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, pages 1953–1958, Portland, Oregon, USA, 7-11 July 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, pages 1959–1962, Portland, Oregon, USA, 7-11 July 2010, ACM.

- [39] M. Emmerich, A. Deutz, R. Li, and J. Krusselbrink, Getting lost or getting trapped: on the effect of moves to incomparable 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, pages 1963–1966, Portland, Oregon, USA, 7–11 July 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, pages 1967–1970, Portland, Oregon, USA, 7–11 July 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, pages 1971–1974, Portland, Oregon, USA, 7–11 July 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, pages 1975–1978, Portland, Oregon, USA, 7–11 July 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, pages 1979–1982, Portland, Oregon, USA, 7–11 July 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, pages 1983–1990, Portland, Oregon, USA, 7–11 July 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, pages 1991–1998, Portland, Oregon, USA, 7–11 July 2010, ACM.
- [46] F. Dobsław, An experimental study on robust parameter settings, in *GECCO 2010 Graduate student workshop*, edited by R. Poli, pages 1999–2002, Portland, Oregon, USA, 7–11 July 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, pages 2003–2006, Portland, Oregon, USA, 7–11 July 2010, ACM.
- [48] J.-W. Kim, Evolutionary learning in networked multi-agent organizations, in *GECCO 2010 Graduate student workshop*, edited by R. Poli, pages 2007–2010, Portland, Oregon, USA, 7–11 July 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, pages 2015–2018, Portland, Oregon, USA, 7–11 July 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, pages 2019–2022, Portland, Oregon, USA, 7–11 July 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, pages 2023–2026, Portland, Oregon, USA, 7–11 July 2010, ACM.

- [52] 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, pages 2031–2034, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [53] Z. Z. Zhu, Constraint handling with modified hypervolume indicator for multi-objective optimization problems, in *GECCO 2010 Graduate student workshop*, edited by R. Poli, pages 2035–2038, Portland, Oregon, USA, 7-11 July 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, pages 2039–2042, Portland, Oregon, USA, 7-11 July 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, pages 2043–2046, Portland, Oregon, USA, 7-11 July 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, pages 2047–2050, Portland, Oregon, USA, 7-11 July 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, pages 2051–2054, Portland, Oregon, USA, 7-11 July 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, pages 2055–2058, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [59] A. Agogino, Component evolution for large scale air traffic optimization, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pages 2059–2060, Portland, Oregon, USA, 7-11 July 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, pages 2061–2062, Portland, Oregon, USA, 7-11 July 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, pages 2063–2064, Portland, Oregon, USA, 7-11 July 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, pages 2065–2066, Portland, Oregon, USA, 7-11 July 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, pages 2069–2070, Portland, Oregon, USA, 7-11 July 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, pages 2071–2072, Portland, Oregon, USA, 7-11 July 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, pages 2073–2074, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [66] K. I. Harrington and J. B. Pollack, Robot phylogenetics, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pages 2077–2078, Portland, Oregon, USA, 7-11 July 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, pages 2079–2080, Portland, Oregon, USA, 7-11 July 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, pages 2081–2082, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [69] J. Hurley, LESR CLASS: an LCS for securities trading rulesets, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pages 2083–2084, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [70] I. Icke and A. Rosenberg, Dimensionality reduction using symbolic regression, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pages 2085–2086, Portland, Oregon, USA, 7-11 July 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, pages 2087–2088, Portland, Oregon, USA, 7-11 July 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, pages 2093–2094, Portland, Oregon, USA, 7-11 July 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, pages 2095–2096, Portland, Oregon, USA, 7-11 July 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, pages 2097–2098, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [75] M. Matayoshi, Corner junction: a new strategy for 2d strip packing, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pages 2099–2100, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [76] R. J. Meuth, Meta-learning genetic programming, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pages 2101–2102, Portland, Oregon, USA, 7-11 July 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, pages 2103–2104, Portland, Oregon, USA, 7-11 July 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, pages 2105–2106, Portland, Oregon, USA, 7-11 July 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, pages 2107–2108, Portland, Oregon, USA, 7-11 July 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, pages 2109–2110, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [81] Y. Sato and H. Inoue, Genetic operations to solve sudoku puzzles, in *GECCO 2010 Late breaking abstracts*, edited by D. Tauritz, pages 2111–2112, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [82] 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, pages 2113–2114, Portland, Oregon, USA, 7-11 July 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, pages 2117–2118, Portland, Oregon, USA, 7-11 July 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, pages 2119–2120, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [85] E. D. Goodman, Introduction to genetic algorithms, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pages 2121–2136, Portland, Oregon, USA, 7-11 July 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, pages 2137–2262, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [87] T. Baeck, Evolution strategies: basic introduction, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pages 2263–2288, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [88] K. De Jong, Evolutionary computation: a unified approach, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pages 2289–2302, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [89] M. Pelikan, Probabilistic model-building genetic algorithms, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pages 2303–2330, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [90] M. V. Butz, Learning classifier systems, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pages 2331–2352, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [91] C. Ryan, Grammatical evolution tutorial, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pages 2385–2412, Portland, Oregon, USA, 7-11 July 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, pages 2413–2440, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [93] R. Miikkulainen, Evolving neural networks, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pages 2441–2460, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [94] C. D. Clack, Financial evolutionary computing, in *GECCO 2010 Introductory tutorials*, edited by U.-M. O'Reilly, pages 2461–2472, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [95] R. Poli, Genetic programming theory, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pages 2473–2502, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [96] J. H. Moore, Bioinformatics, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pages 2503–2534, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [97] F. Rothlauf, Representations for evolutionary algorithms, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pages 2535–2556, Portland, Oregon, USA, 7-11 July 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, pages 2557–2576, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [99] K. Deb, Evolutionary multi-criterion optimization, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pages 2577–2602, Portland, Oregon, USA, 7-11 July 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, pages 2603–2624, Portland, Oregon, USA, 7-11 July 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, pages 2625–2646, Portland, Oregon, USA, 7-11 July 2010, ACM.

- [102] M. D. Vose, Course notes: genetic algorithm theory, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pages 2647–2660, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [103] T. Jansen and F. Neumann, Computational complexity and evolutionary computation, in *GECCO 2010 Advanced tutorials*, edited by U.-M. O'Reilly, pages 2683–2710, Portland, Oregon, USA, 7-11 July 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, pages 2711–2738, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [105] L. Spector, Evolution of quantum algorithms, in *GECCO 2010 Specialized techniques and applications tutorials*, edited by U.-M. O'Reilly, pages 2739–2768, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [106] S. Silva, Handling bloat in GP, in *GECCO 2010 Specialized techniques and applications tutorials*, edited by U.-M. O'Reilly, pages 2769–2794, Portland, Oregon, USA, 7-11 July 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, pages 2795–2840, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [108] K. O. Stanley, Generative and developmental systems, in *GECCO 2010 Specialized techniques and applications tutorials*, edited by U.-M. O'Reilly, pages 2841–2862, Portland, Oregon, USA, 7-11 July 2010, ACM.
- [109] M. Kotanchek, Real-world data modeling, in *GECCO 2010 Specialized techniques and applications tutorials*, edited by U.-M. O'Reilly, pages 2863–2896, Portland, Oregon, USA, 7-11 July 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, pages 2897–2916, Portland, Oregon, USA, 7-11 July 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, pages 2917–2926, Portland, Oregon, USA, 7-11 July 2010, ACM.