

Список литературы

- [1] A. M. Abdelbar, Is there a computational advantage to representing evaporation rate in ant colony optimization as a gaussian random variable?, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1–8, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [2] Y. Chen, L. Mazlack, and L. Lu, Learning fuzzy cognitive maps from data by ant colony optimization, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 9–16, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [3] B. Doerr, A. Hota, and T. Kötzing, Ants easily solve stochastic shortest path problems, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 17–24, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [4] J. Garcia-Nieto and E. Alba, Why six informants is optimal in pso, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 25–32, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [5] A. C. B. K. Vendramin, A. Munaretto, M. R. de Biase da Silva Delgado, and A. C. Viana, Cgrant: a swarm intelligence-based routing protocol for delay tolerant networks, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 33–40, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [6] N. Lourenço and F. B. Pereira, Dacco: a discrete ant colony algorithm to cluster geometry optimization, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 41–48, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [7] M. Medland and F. Otero, A study of different quality evaluation functions in the cant-miner(pb) classification algorithm, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 49–56, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [8] A. E. Munoz-Zavala and E. J. Hernandez-Ramos, Optimal cyclic replacement policy in mss maintenance via binomial-pso, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 57–64, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [9] G. S. Piperagkas, G. Georgoulas, K. E. Parsopoulos, C. D. Stylios, and A. C. Likas, Integrating particle swarm optimization with reinforcement learning in noisy problems, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 65–72, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [10] E. Vellasques, R. Sabourin, and E. Granger, Gaussian mixture modeling for dynamic particle swarm optimization of recurrent problems, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 73–80, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [11] B. Xue, M. Zhang, and W. N. Browne, Multi-objective particle swarm optimisation (pso) for feature selection, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 81–88, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [12] L. Cazenille, N. Bredeche, H. Hamann, and J. Stradner, Impact of neuron models and network structure on evolving modular robot neural network controllers, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 89–96, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [13] J. A. Doucette, P. Lichodziejewski, and M. I. Heywood, Hierarchical task decomposition through symbiosis in reinforcement learning, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 97–104, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [14] K. Hardey, E. Corapcioglu, M. Mattis, M. Goadrich, and M. Jadud, Exploring and evolving process-oriented control for real and virtual fire fighting robots, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 105–112, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [15] B. Inden, Open-ended coevolution and the emergence of complex irreducible functional units in iterated number sequence games, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 113–120, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [16] F. Jeanson and A. White, Evolving axonal delay neural networks for robot control, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 121–128, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [17] S. L. Lim and P. J. Bentley, How to be a successful app developer: lessons from the simulation of an app ecosystem, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 129–136, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [18] Y. Meng and H. Guo, Evolving network motifs based morphogenetic approach for self-organizing robotic swarms, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 137–144, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [19] J. M. Moore and P. K. McKinley, Evolving flexible joint morphologies, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 145–152, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [20] M. Solomon, T. Soule, and R. B. Heckendorn, A comparison of a communication strategies in cooperative learning, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 153–160, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [21] I. Tanev, T. Kuyucu, and K. Shimohara, On the cumulative effect of bloat and genetic transposition on the efficiency of incremental evolution of snake-like robot, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 161–168, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [22] J. Baumbach et al., Efficient algorithms for extracting biological key pathways with global constraints, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 169–176, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [23] D. Marco, C. Shankland, and D. Cairns, Evolving bio-pepa process algebra models using genetic programming, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 177–184, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [24] M. R. Mendoza, F. M. Lopes, and A. L. C. Bazzan, Reverse engineering of grns: an evolutionary approach based on the tsallis entropy, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 185–192, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [25] C. Pizzuti and S. Rombo, Experimental evaluation of topological-based fitness functions to detect complexes in ppi networks, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 193–200, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [26] J. S. Firoz, M. S. Rahman, and T. K. Saha, Bee algorithms for solving dna fragment assembly problem with noisy and noiseless data, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 201–208, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [27] N. Zaki, J. Berengueres, and D. Efimov, Prorank: a method for detecting protein complexes, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 209–216, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [28] M. Hausknecht, P. Khandelwal, R. Miikkulainen, and P. Stone, Hyperneat-ggp: a hyperneat-based atari general game player, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 217–224, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [29] G. S. Hornby and J. C. Bongard, Accelerating human-computer collaborative search through learning comparative and predictive user models, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 225–232, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [30] P. Machado and L. Pereira, Photogrowth: non-photorealistic renderings through ant paintings, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 233–240, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [31] P. A. Bosman and T. Alderliesten, Incremental gaussian model-building in multi-objective edas with an application to deformable image registration, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 241–248, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [32] A. E. Brownlee, J. A. McCall, and M. Pelikan, Influence of selection on structure learning in markov network edas: an empirical study, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 249–256, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [33] D. Iclanzan, Higher-order linkage learning in the ecga, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 265–272, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [34] M. Pelikan and M. W. Hauschild, Distance-based bias in model-directed optimization of additively decomposable problems, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 273–280, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [35] S. Rojas-Galeano and N. Rodriguez, A memory efficient and continuous-valued compact eda for large scale problems, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 281–288, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [36] D. Thierens and P. Bosman, Predetermined versus learned linkage models, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 289–296, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [37] D. V. Arnold and N. Hansen, A (1+1)-cma-es for constrained optimisation, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 297–304, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [38] H.-G. Beyer and M. Hellwig, Mutation strength control by meta-es on the sharp ridge, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 305–312, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [39] B. Bischl, O. Mersmann, H. Trautmann, and M. Preuß, Algorithm selection based on exploratory landscape analysis and cost-sensitive learning, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 313–320, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [40] I. Loshchilov, M. Schoenauer, and M. Sebag, Self-adaptive surrogate-assisted covariance matrix adaptation evolution strategy, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 321–328, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [41] T. Schaul, Natural evolution strategies converge on sphere functions, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 329–336, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [42] I. Araya, L. Pérez, and M. C. Riff, Towards a population-based framework for improving stochastic local search algorithms, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 337–344, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [43] A. Boumaza and A. Brun, From neighbors to global neighbors in collaborative filtering: an evolutionary optimization approach, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 345–352, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [44] D. Chalupa, On the efficiency of an order-based representation in the clique covering problem, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 353–360, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [45] J. Choi, Y. Yoon, and B.-R. Moon, An efficient genetic algorithm for subgraph isomorphism, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 361–368, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [46] F. Daolio, S. Verel, G. Ochoa, and M. Tomassini, Local optima networks and the performance of iterated local search, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 369–376, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [47] D. G. Macharet, A. A. Neto, V. Fiuza da Camara Neto, and M. M. Campos, An evolutionary approach for the dubins' traveling salesman problem with neighborhoods, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 377–384, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [48] W. M. Herbawi and M. Weber, A genetic and insertion heuristic algorithm for solving the dynamic ridematching problem with time windows, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 385–392, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [49] B. Hu and G. Raidl, An evolutionary algorithm with solution archives and bounding extension for the generalized minimum spanning tree problem, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 393–400, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [50] A. Kattan and M. Arif, Pso based on surrogate modeling as meta-search to optimise evolutionary algorithms parameters, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 401–408, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [51] J. H. Moreno-Scott, J. C. Ortíz-Bayliss, H. Terashima-Marín, and S. E. Conant-Pablos, Challenging heuristics: evolving binary constraint satisfaction problems, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 409–416, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [52] M. Nascimento, F. Toledo, and A. Carvalho, A hybrid heuristic for the k-medoids clustering problem, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 417–424, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [53] B. Song and V. Li, A hybridization between memetic algorithm and semidefinite relaxation for the max-cut problem, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 425–432, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [54] A. M. Sutton, J. Day, and F. Neumann, A parameterized runtime analysis of evolutionary algorithms for max-2-sat, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 433–440, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [55] Q. Zhang, H. Manier, and M.-A. Manier, A hybrid metaheuristic algorithm for flexible job-shop scheduling problems with transportation constraints, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 441–448, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [56] W. Abdou, C. Bloch, D. Charlet, and F. Spies, Adaptive multi-objective genetic algorithm using multi-pareto-ranking, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 449–456, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [57] K. Bringmann and T. Friedrich, Convergence of hypervolume-based archiving algorithms ii: competitiveness, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 457–464, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [58] D. Brockhoff, T. Wagner, and H. Trautmann, On the properties of the r2 indicator, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 465–472, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [59] M. Garza-Fabre, G. Toscano-Pulido, and E. Rodriguez-Tello, Locality-based multiobjectivization for the hp model of protein structure prediction, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 473–480, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [60] H. Ishibuchi, M. Yamane, and Y. Nojima, Effects of discrete objective functions with different granularities on the search behavior of emo algorithms, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 481–488, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [61] R. Nagy, M. A. Suciu, and D. Dumitrescu, Lorenz equilibrium: equitability in non-cooperative games, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 489–496, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [62] D. H. Phan, J. Suzuki, and I. Hayashi, Leveraging indicator-based ensemble selection in evolutionary multiobjective optimization algorithms, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 497–504, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [63] C. A. R. Villalobos and C. A. C. Coello, A new multi-objective evolutionary algorithm based on a performance assessment indicator, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 505–512, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [64] R. Wang, R. Purshouse, and P. Fleming, Local preference-inspired co-evolutionary algorithms, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 513–520, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [65] J. E. Auerbach and J. C. Bongard, On the relationship between environmental and morphological complexity in evolved robots, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 521–528, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [66] J. Beal et al., A manifold operator representation for adaptive design, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 529–536, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [67] S. Cussat-Blanc and J. Pollack, A cell-based developmental model to generate robot morphologies, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 537–544, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [68] J. Drchal and M. Snorek, Distance measures for hypergp with fitness sharing, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 545–552, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [69] J. D. Fernández, F. Vico, and R. Doursat, Complex and diverse morphologies can develop from a minimal genomic model, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 553–560, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [70] M. Joachimczak and B. Wróbel, Co-evolution of morphology and control of soft-bodied multicellular animats, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 561–568, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [71] D. Richards, N. Dunn, and M. Amos, An evo-devo approach to architectural design, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 569–576, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [72] H. Sayama, Morphologies of self-organizing swarms in 3d swarm chemistry, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 577–584, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [73] D. Coles, Efficient filters for the simulated evolution of small sorting networks, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 593–600, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [74] R. Collier and M. Wineberg, An empirical approach to the measurement of interchromosomal distances in the genetic algorithm, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 601–608, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [75] A. De Lucia, M. Di Penta, R. Oliveto, and A. Panichella, Estimating the evolution direction of populations to improve genetic algorithms, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 617–624, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [76] B. W. Goldman and D. R. Tauritz, Linkage tree genetic algorithms: variants and analysis, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 625–632, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [77] M. Hauschild, S. Bhatia, and M. Pelikan, Image segmentation using a genetic algorithm and hierarchical local search, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 633–640, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [78] H. Lee and T.-L. Yu, Off-line building block identification: detecting building blocks directly from fitness without genetic algorithms, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 641–648, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [79] A. Moraglio and D. Sudholt, Runtime analysis of convex evolutionary search, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 649–656, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [80] C. Rotaru and O. Brudaru, Dynamic segregative genetic algorithm for optimizing the variable ordering of robdds, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 657–664, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [81] B. Sarasola and E. Alba, How long should we run in dynamic optimization?, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 665–672, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [82] A. Simoes and E. Costa, Enhancing the virtual loser genetic algorithm for dynamic environments, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 673–680, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [83] S. Soares, C. Antunes, and R. Araújo, A genetic algorithm for designing neural network ensembles, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 681–688, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [84] D. Sudholt, Crossover speeds up building-block assembly, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 689–702, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [85] A. Atwater, M. I. Heywood, and N. Zincir-Heywood, Gp under streaming data constraints: a case for pareto archiving?, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 703–710, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [86] A. Bailey, M. Ventresca, and B. Ombuki-Berman, Automatic generation of graph models for complex networks by genetic programming, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 711–718, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [87] J. Bassett, U. Kamath, and K. De Jong, A new methodology for the gp theory toolbox, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 719–726, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [88] M. Castelli, L. Manzoni, and L. Vanneschi, Parameter tuning of evolutionary reactions systems, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 727–734, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [89] T. Cornforth and H. Lipson, Symbolic regression of multiple-time-scale dynamical systems, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 735–742, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [90] J. Fitzgerald and C. Ryan, Exploring boundaries: optimising individual class boundaries for binary classification problem, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 743–750, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [91] S. Harding, V. Graziano, J. Leitne, and J. Schmidhuber, Mt-cgp: mixed type cartesian genetic programming, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 751–758, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [92] R. Harper, Spatial co-evolution: quicker, fitter and less bloated, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 759–766, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [93] E. Hemberg, K. Veeramachaneni, J. McDermott, C. Berzan, and U.-M. O'Reilly, An investigation of local patterns for estimation of distribution genetic programming, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 767–774, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [94] M. R. Karim and C. Ryan, Sensitive ants are sensible ants, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 775–782, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [95] K. Krawiec, On relationships between semantic diversity, complexity and modularity of programming tasks, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 783–790, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [96] J. McDermott et al., Genetic programming needs better benchmarks, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 791–798, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [97] F. Neumann, Computational complexity analysis of multi-objective genetic programming, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 799–806, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [98] D. N. Phong et al., Evolving the best known approximation to the q function, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 807–814, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [99] L. Spector, K. Harrington, and T. Helmuth, Tag-based modularity in tree-based genetic programming, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 815–822, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [100] J. Swafford, M. Nicolau, E. Hemberg, M. O'Neill, and A. Brabazon, Comparing methods for module identification in grammatical evolution, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 823–830, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [101] T. Weise, A. Devert, and K. Tang, A developmental solution to (dynamic) capacitated arc routing problems using genetic programming, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 831–838, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [102] T. Ebadi, M. Zhang, and W. Browne, Xcs-based versus ucs-based feature pattern classification system, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 839–846, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [103] M. A. Franco, N. Krasnogor, and J. Bacardit, Post-processing operators for decision lists, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 847–854, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [104] W. Fu, M. Johnston, and M. Zhang, Genetic programming for edge detection using blocks to extract features, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 855–862, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [105] M. Iqbal, W. N. Browne, and M. Zhang, Extracting and using building blocks of knowledge in learning classifier systems, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 863–870, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [106] J. Kneissler, P. O. Stalph, J. Drugowitsch, and M. V. Butz, Filtering sensory information with xcsf: improving learning robustness and control performance, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 871–878, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [107] J.-C. Levesque, A. Durand, C. Gagne, and R. Sabourin, Multi-objective evolutionary optimization for generating ensembles of classifiers in the roc space, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 879–886, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [108] S. Loscalzo, R. Wright, K. Acunto, and L. Yu, Sample aware embedded feature selection for reinforcement learning, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 887–894, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [109] S. Marzukhi, W. N. Browne, and M. Zhang, Two-cornered learning classifier systems for pattern generation and classification, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 895–902, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [110] H. Moriguchi and S. Honiden, Cma-tweann: efficient optimization of neural networks via self-adaptation and seamless augmentation, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 903–910, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [111] P. O. Stalph and M. V. Butz, Guided evolution in xcsf, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 911–918, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [112] W. Tansey, E. Feasley, and R. Miikkulainen, Accelerating evolution via egalitarian social learning, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 919–926, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [113] R. Urbanowicz, A. Granizo-Mackenzie, and J. Moore, Instance-linked attribute tracking and feedback for michigan-style supervised learning classifier systems, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 927–934, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [114] D. Hennes, D. Bloembergen, M. Kaisers, K. Tuyls, and S. Parsons, Evolutionary advantage of foresight in markets, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 943–950, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [115] R. Landa, Y. Rojas, and G. Toscano-Pulido, An approach for estimating separability and its application on high dimensional optimization, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 951–958, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [116] C. L. Goues, W. Wemer, and S. Forrest, Representations and operators for improving evolutionary software repair, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 959–966, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [117] D. L. Ly, A. Saxena, and H. Lipson, Co-evolutionary predictors for kinematic pose inference from rgb-d images, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 967–974, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [118] J. hui Zhong and J. Zhang, Sde: a stochastic coding differential evolution for global optimization, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 975–982, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [119] N. Chatzinikolaou and D. Robertson, The use of reputation as noise-resistant selection bias in a co-evolutionary multi-agent system, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 983–990, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [120] A. K. Qin, F. Raimondo, F. Forbes, and Y. S. Ong, An improved cuda-based implementation of differential evolution on gpu, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 991–998, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [121] S. Shao et al., A gpu-based implementation of an enhanced gep algorithm, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 999–1006, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [122] M. Yagoubi and M. Schoenauer, Asynchronous master/slave moeas and heterogeneous evaluation costs, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1007–1014, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [123] A. Agogino, C. HolmesParker, and K. Tumer, Evolving distributed resource sharing for cubesat constellations, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1015–1022, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [124] A. M. Ahmad, G. M. Khan, S. A. Mahmud, and J. F. Miller, Breast cancer detection using cartesian genetic programming evolved artificial neural networks, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1031–1038, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [125] B. Alexander, S. Thiel, and J. Peacock, Application of evolutionary methods to 3d geoscience modelling, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1039–1046, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [126] M. Beck, M. de Paly, J. Hecht-Méndez, P. Bayer, and A. Zell, Evaluation of the performance of evolutionary algorithms for optimization of low-enthalpy geothermal heating plants, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1047–1054, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [127] A. Canelas, R. Neves, and N. Horta, A new sax-ga methodology applied to investment strategies optimization, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1055–1062, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [128] C. Chou, S. Kimbrough, J. Sullivan-Fedock, C. J. Woodard, and F. H. Murphy, Using interactive evolutionary computation (iec) with validated surrogate fitness functions for redistricting, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1071–1078, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [129] A. W. Churchill, P. Husbands, and A. Philippides, Metaheuristic approaches to tool selection optimisation, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1079–1086, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [130] D. Hernández, G. Olague, E. Clemente, and L. Dozal, Evolving a conspicuous point detector based on an artificial dorsal stream: Slam system, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1087–1094, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [131] M. Holena, D. Linke, and L. Bajer, Surrogate modeling in the evolutionary optimization of catalytic materials, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1095–1102, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [132] T. Kowaliw and W. Banzhaf, The unconstrained automated generation of cell image features for medical diagnosis, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1103–1110, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [133] J. S. Krupa, S. Chatterjee, E. Eldridge, D. M. Rizzo, and M. J. Eppstein, Evolutionary feature selection for classification: a plug-in hybrid vehicle adoption application, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1111–1118, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [134] R. Martins, N. Lourenço, and N. Horta, Laygen ii: automatic analog ics layout generator based on a template approach, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1127–1134, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [135] D. E. McCarney, S. Houghten, and B. J. Ross, Evolutionary approaches to the generation of optimal error correcting codes, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1135–1142, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [136] P. Nebel, G. Richter, and K. Weicker, Multi-container loading with non-convex 3d shapes using a ga/ts hybrid, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1143–1150, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [137] O. P. Vilela Neto, A. S. Pimentel, M. A. C. Pacheco, and Ênio Frota da Silveira, Evolutionary algorithms applied to elucidate ionic water cluster structure formation, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1151–1158, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [138] R. Santana, L. Bonnet, J. Legény, and A. Lécuyer, Introducing the use of model-based evolutionary algorithms for eeg-based motor imagery classification, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1159–1166, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [139] R. E. Smith and M. S. Hussain, Hybrid metaheuristic particle filters for stochastic volatility estimation, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1167–1174, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [140] F. Stonedahl and S. Stonedahl, Darwinian rivers: evolving stream topographies to match hyporheic residence time distributions, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1175–1182, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [141] R. tian Xu and J. Zhang, Estimating markov switching model using differential evolution algorithm in prospective infectious disease outbreak detection, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1183–1190, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [142] B. Yang, L. Guang, T. Säntti, and J. Plosila, t(k)-sa: accelerated simulated annealing algorithm for application mapping on networks-on-chip, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1191–1198, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [143] M. de Oliveira Barros, An analysis of the effects of composite objectives in multiobjective software module clustering, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1205–1212, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [144] J. Ferrer, P. M. Kruse, F. Chicano, and E. Alba, Evolutionary algorithm for prioritized pairwise test data generation, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1213–1220, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [145] L. L. Minku, D. Sudholt, and X. Yao, Evolutionary algorithms for the project scheduling problem: runtime analysis and improved design, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1221–1228, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [146] J. L. Wilkerson, D. R. Tauritz, and J. M. Bridges, Multi-objective coevolutionary automated software correction, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1229–1236, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [147] R. C. Barros, M. P. Basgalupp, A. C. de Carvalho, and A. A. Freitas, A hyper-heuristic evolutionary algorithm for automatically designing decision-tree algorithms, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1237–1244, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [148] J. Branke and J. A. Elomari, Meta-optimization for parameter tuning with a flexible computing budget, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1245–1252, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [149] C. Candan, A. Goeffon, F. Lardeux, and F. Saubion, A dynamic island model for adaptive operator selection, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1253–1260, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [150] H. Derbel and B. Derbel, On neighborhood tree search, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1261–1268, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [151] J. C. Ortiz-Bayliss, H. Terashima-Marín, S. E. Conant-Pablos, E. Özcan, and A. J. Parkes, Improving the performance of vector hyper-heuristics through local search, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1269–1276, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [152] N. Veerapen, J. Maturana, and F. Saubion, An exploration-exploitation compromise-based adaptive operator selection for local search, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1277–1284, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [153] W. jie Yu and J. Zhang, Adaptive differential evolution with optimization state estimation, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1285–1292, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [154] Y. Akimoto, Analysis of a natural gradient algorithm on monotonic convex-quadratic-composite functions, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1293–1300, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [155] F. Chicano, D. Whitley, and E. Alba, Exact computation of the expectation curves for uniform crossover, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1301–1308, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [156] T. Jansen and C. Zarges, Fixed budget computations: a different perspective on run time analysis, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1325–1332, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [157] T. Koetzing, A. M. Sutton, F. Neumann, and U.-M. O'Reilly, The max problem revisited: the importance of mutation in genetic programming, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1333–1340, Philadelphia, Pennsylvania, USA, 2012, ACM.

- [158] P. S. Oliveto and C. Witt, On the analysis of the simple genetic algorithm, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1341–1348, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [159] J. E. Rowe and D. Sudholt, The choice of the offspring population size in the $(1, \lambda)$ ea, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1349–1356, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [160] D. Whitley and W. Chen, Constant time steepest descent local search with lookahead for nk-landscapes and max-ksat, in *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, edited by T. Soule et al., pages 1357–1364, Philadelphia, Pennsylvania, USA, 2012, ACM.
- [161] T. Soule et al., editors, *GECCO '12: Proceedings of the fourteenth international conference on Genetic and evolutionary computation conference*, Philadelphia, Pennsylvania, USA, 2012.