Список литературы

[Adra et al., 2005] Adra, S. F., Griffin, I., & Fleming, P. J. (2005). Hybrid multiobjective genetic algorithm with a new adaptive local search process. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1009–1010. https://doi.org/http://dx.doi.org/10.1145/1068009.1068180

[Affenzeller et al., 2005] Affenzeller, M., Wagner, S., & Winkler, S. (2005). Goal-oriented preservation of essential genetic information by offspring selection. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1595–1596. https://doi.org/http://dx.doi.org/10.1145/1068009.1068276

[Agogino et al., 2005] Agogino, A., Tumer, K., & Miikkulainen, R. (2005). Efficient credit assignment through evaluation function decomposition. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1309–1316. https://doi.org/http://dx.doi.org/10.1145/1068009.1068221

[Aguilar-Ruiz & Divina, 2005] Aguilar-Ruiz, J. S. & Divina, F. (2005). Ga-based approach to discover meaningful biclusters. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 473–474. https://doi.org/http://dx.doi.org/10.1145/1068009.1068086

[Ahn et al., 2005] Ahn, C. W., Oh, S., & Ramakrishna, R. S. (2005). On the practical genetic algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1583–1584. https://doi.org/http://dx.doi.org/10.1145/1068009.1068270

[Ahrens, 2005] Ahrens, B. (2005). Genetic algorithm optimization of superresolution parameters. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2083–2088. https://doi.org/http://dx.doi.org/10.1145/1068009.1068354

[Alba et al., 2005] Alba, E., Alfonso, H., & Dorronsoro, B. (2005). Advanced models of cellular genetic algorithms evaluated on sat. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1123–1130. https://doi.org/http://dx.doi.org/10.1145/1068009.1068197

[Alim & Ivanov, 2005] Alim, F. & Ivanov, K. (2005). Heuristic rules embedded genetic algorithm to solve in-core fuel management optimization problem. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2191–2192. https://doi.org/http://dx.doi.org/10.1145/1068009.1068369

[Amor & Rettinger, 2005] Amor, H. B. & Rettinger, A. (2005). Intelligent exploration for genetic algorithms: using self-organizing maps in evolutionary computation. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1531–1538. https://doi.org/http://dx.doi.org/10.1145/1068009.1068250

[Ando & Kobayashi, 2005] Ando, S. & Kobayashi, S. (2005). Fitness-based neighbor selection for multimodal function optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1573–1574. https://doi.org/http://dx.doi.org/10.1145/1068009.1068265

[Ando et al., 2005] Ando, S., Sakuma, J., & Kobayashi, S. (2005). Adaptive isolation model using data clustering for multimodal function optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1417–1424. https://doi.org/http://dx.doi.org/10.1145/1068009.1068235

[Antolík & Hsu, 2005] Antolík, J. & Hsu, W. H. (2005). Evolutionary tree genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1789–1790. https://doi.org/http://dx.doi.org/10.1145/1068009.1068312

[Ashlock & Kim, 2005] Ashlock, D. & Kim, E.-Y. (2005). The impact of cellular representation on finite state agents for prisoner's dilemma. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 59–66. https://doi.org/http://dx.doi.org/10.1145/1068009.1068018

[Auger et al., 2005] Auger, A., Schoenauer, M., & Teytaud, O. (2005). Local and global order 3/2 convergence of a surrogate evolutionary algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 857–864. https://doi.org/http://dx.doi.org/10.1145/1068009.1068154

[Auwatanamongkol, 2005] Auwatanamongkol, S. (2005). Inexact pattern matching using genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1567–1568. https://doi.org/http://dx.doi.org/10.1145/1068009.1068262

[Bacardit, 2005] Bacardit, J. (2005). Analysis of the initialization stage of a pittsburgh approach learning classifier system. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1843–1850. https://doi.org/http://dx.doi.org/10.1145/1068009.1068321

[Barbosa & Lemonge, 2005] Barbosa, H. J. & Lemonge, A. C. (2005). A genetic algorithm encoding for a class of cardinality constraints. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1193–1200. https://doi.org/http://dx.doi.org/10.1145/1068009.1068206

[Bassett et al., 2005] Bassett, J. K., Potter, M. A., & De Jong, K. A. (2005). Applying price's equation to survival selection. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1371–1378. https://doi.org/http://dx.doi.org/10.1145/1068009.1068229

[Becerra & Coello Coello, 2005] Becerra, R. L. & Coello Coello, C. A. (2005). Optimization with constraints using a cultured differential evolution approach. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 27–34. https://doi.org/http://dx.doi.org/10.1145/1068009.1068014

[Bello et al., 2005] Bello, R., Nowe, A., Caballero, Y., Gómez, Y., & Vrancx, P. (2005). A model based on ant colony system and rough set theory to feature selection. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 275–276. https://doi.org/http://dx.doi.org/10.1145/1068009.1068053

[Berntsson & Tang, 2005a] Berntsson, J. & Tang, M. (2005a). Adaptive sizing of populations and number of islands in distributed genetic algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1575–1576. https://doi.org/http://dx.doi.org/10.1145/1068009.1068266

[Berntsson & Tang, 2005b] Berntsson, J. & Tang, M. (2005b). Dynamic optimization of migration topology in internet-based distributed genetic algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1579–1580. https://doi.org/http://dx.doi.org/10.1145/1068009.1068268

[Besetti & Soule, 2005] Besetti, S. & Soule, T. (2005). Function choice, resiliency and growth in genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1771–1772. https://doi.org/http://dx.doi.org/10.1145/1068009.1068303

[Beyer et al., 2005] (2005). *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*. ACM Press. http://portal.acm.org/citation.cfm?id=1068009&jmp=cit&coll=GUIDE&dl=GUIDE&CFID=48779769&CFTOKEN=55479664#supp

[Bongard & Lipson, 2005] Bongard, J. C. & Lipson, H. (2005). 'managed challenge' alleviates disengagement in co-evolutionary system identification. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 531–538. https://doi.org/http://dx.doi.org/10.1145/1068009.1068097

[Borenstein & Poli, 2005a] Borenstein, Y. & Poli, R. (2005a). Information landscapes. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1515–1522. https://doi.org/http://dx.doi.org/10.1145/1068009.1068248

[Borenstein & Poli, 2005b] Borenstein, Y. & Poli, R. (2005b). Information landscapes and problem hardness. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1425–1431. https://doi.org/http://dx.doi.org/10.1145/1068009.1068236

[Borgulya, 2005] Borgulya, I. (2005). A hybrid evolutionary algorithm for the p-median problem. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 649–650. https://doi.org/http://dx.doi.org/10.1145/1068009.1068118

[Bosman & de Jong, 2005] Bosman, P. A. N. & de Jong, E. D. (2005). Exploiting gradient information in numerical multi–objective evolutionary optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 755–762. https://doi.org/http://dx.doi.org/10.1145/1068009.1068138

[Brabazon et al., 2005] Brabazon, A., Silva, A., de Sousa, T. F., O'Neill, M., Matthews, R., & Costa, E. (2005). Agent-based modelling of product invention. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 129–136. https://doi.org/http://dx.doi.org/10.1145/1068009.1068027

[Bradstreet et al., 2005] Bradstreet, L., Barone, L., & While, L. (2005). Map-labelling with a multi-objective evolutionary algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1937–1944. https://doi.org/http://dx.doi.org/10.1145/1068009.1068335

[Branke et al., 2005] Branke, J., Salihoğlu, E., & Şima Uyar (2005). Towards an analysis of dynamic environments. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1433–1440. https://doi.org/http://dx.doi.org/10.1145/1068009.1068237

[Breukelaar & Bäck, 2005] Breukelaar, R. & Bäck, T. (2005). Using a genetic algorithm to evolve behavior in multi dimensional cellular automata: emergence of behavior. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 107–114. https://doi.org/http://dx.doi.org/10.1145/1068009.1068024

[Briand et al., 2005] Briand, L. C., Labiche, Y., & Shousha, M. (2005). Stress testing real-time systems with genetic algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1021–1028. https://doi.org/http://dx.doi.org/10.1145/1068009.1068183

[Browne & Scott, 2005] Browne, W. & Scott, D. (2005). An abstraction agorithm for genetics-based reinforcement learning. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1875–1882. https://doi.org/http://dx.doi.org/10.1145/1068009.1068325

[Bucci & Pollack, 2005] Bucci, A. & Pollack, J. B. (2005). On identifying global optima in cooperative coevolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 539–544. https://doi.org/http://dx.doi.org/10.1145/1068009.1068098

[Budynek et al., 2005] Budynek, J., Bonabeau, E., & Shargel, B. (2005). Evolving computer intrusion scripts for vulnerability assessment and log analysis. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1905–1912. https://doi.org/http://dx.doi.org/10.1145/1068009.1068331

[Bui et al., 2005a] Bui, L. T., Abbass, H. A., & Essam, D. (2005a). Fitness inheritance for noisy evolutionary multi-objective optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 779–785. https://doi.org/http://dx.doi.org/10.1145/1068009.1068141

[Bui et al., 2005b] Bui, L. T., Branke, J., & Abbass, H. A. (2005b). Diversity as a selection pressure in dynamic environments. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1557–1558. https://doi.org/http://dx.doi.org/10.1145/1068009.1068257

[Bui & Colpan, 2005] Bui, T. N. & Colpan, M. (2005). Solving geometric tsp with ants. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 271–272. https://doi.org/http://dx.doi.org/10.1145/1068009.1068051

[Bui & Sundarraj, 2005] Bui, T. N. & Sundarraj, G. (2005). An efficient genetic algorithm for predicting protein tertiary structures in the 2d hp model. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 385–392. https://doi.org/http://dx.doi.org/10.1145/1068009.1068072

[Butz, 2005] Butz, M. V. (2005). Kernel-based, ellipsoidal conditions in the real-valued xcs classifier system. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1835–1842. https://doi.org/http://dx.doi.org/10.1145/1068009.1068320

[Butz et al., 2005] Butz, M. V., Pelikan, M., Llorà, X., & Goldberg, D. E. (2005). Extracted global structure makes local building block processing effective in xcs. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 655–662. https://doi.org/http://dx.doi.org/10.1145/1068009.1068121

[Cairns et al., 2005] Cairns, D. E., Cameron, G. J., & Wess, T. J. (2005). Evolving an improved axial structure for fibrillar collagen. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 471–472. https://doi.org/http://dx.doi.org/10.1145/1068009.1068085

[Canfora et al., 2005] Canfora, G., Penta, M. D., Esposito, R., & Villani, M. L. (2005). An approach for qos-aware service composition based on genetic algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1069–1075. https://doi.org/http://dx.doi.org/10.1145/1068009.1068189

[Carter et al., 2005] Carter, E., Ebdon, S., & Neal-Sturgess, C. (2005). Optimization of passenger car design for the mitigation of pedestrian head injury using a genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2113–2120. https://doi.org/http://dx.doi.org/10.1145/1068009.1068358

[Castillo & Villa, 2005] Castillo, F. A. & Villa, C. M. (2005). Symbolic regression in multicollinearity problems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2207–2208. https://doi.org/http://dx.doi.org/10.1145/1068009.1068377

[Cavill et al., 2005] Cavill, R., Smith, S., & Tyrrell, A. (2005). Multi-chromosomal genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1753–1759. https://doi.org/http://dx.doi.org/10.1145/1068009.1068300

[Cazangi et al., 2005] Cazangi, R. R., Von Zuben, F. J., & Figueiredo, M. F. (2005). Autonomous navigation system applied to collective robotics with ant-inspired communication. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 121–128. https://doi.org/http://dx.doi.org/10.1145/1068009.1068026

[Che et al., 2005] Che, D., Song, Y., & Rasheed, K. (2005). Mdga: motif discovery using a genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 447–452. https://doi.org/http://dx.doi.org/10.1145/1068009.1068080

[Chen et al., 2005] Chen, J.-H., Ho, S.-Y., & Goldberg, D. E. (2005). Quality-time analysis of multi-objective evolutionary algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1455–1462. https://doi.org/http://dx.doi.org/10.1145/1068009.1068240

[Chen & Pitt, 2005] Chen, S. & Pitt, G. (2005). Isolating the benefits of respect. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1601–1602. https://doi.org/http://dx.doi.org/10.1145/1068009.1068279

[Cherba et al., 2005] Cherba, D. M., Punch, W., Duxbury, P., Billinge, S., & Juhas, P. (2005). Conformation of an ideal bucky ball molecule by genetic algorithm and geometric constraint from pair distance data: genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1565–1566. https://doi.org/http://dx.doi.org/10.1145/1068009.1068261

[Choi et al., 2005a] Choi, S.-S., Jung, K., & Kim, J. H. (2005a). Phase transition in a random nk landscape model. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1241–1248. https://doi.org/http://dx.doi.org/10.1145/1068009.1068212

[Choi et al., 2005b] Choi, Y.-S., Moon, B.-R., & Seo, S. Y. (2005b). Genetic fuzzy discretization with adaptive intervals for classification problems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2037–2043. https://doi.org/http://dx.doi.org/10.1145/1068009.1068348

[Cochenour et al., 2005] Cochenour, G., Simon, J., Das, S., Pahwa, A., & Nag, S. (2005). A pareto archive evolutionary strategy based radial basis function neural network training algorithm for failure rate prediction in overhead feeders. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2127–2132. https://doi.org/http://dx.doi.org/10.1145/1068009.1068360

[Collins, 2005] Collins, M. (2005). Finding needles in haystacks is harder with neutrality. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1613–1618. https://doi.org/http://dx.doi.org/10.1145/1068009.1068282

[Cong et al., 2005] Cong, L., Sha, Y., Jiao, L., & Liu, F. (2005). Directional self-learning of genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1569–1570. https://doi.org/http://dx.doi.org/10.1145/1068009.1068263

[Cui & Zeng, 2005] Cui, Z. & Zeng, J. (2005). A modified particle swarm optimization predicted by velocity. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 277–278. https://doi.org/http://dx.doi.org/10.1145/1068009.1068054

[Díaz & Romay, 2005] Díaz, D. S. & Romay, M. G. (2005). Introducing a watermarking with a multi-objective genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2219–2220. https://doi.org/http://dx.doi.org/10.1145/1068009.1068383

[Dahal et al., 2005] Dahal, K. P., Galloway, S. J., Burt, G. M., McDonald, J. R., & Hopkins, I. (2005). A case study of process facility optimization using discrete event simulation and genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2197–2198. https://doi.org/http://dx.doi.org/10.1145/1068009.1068372

[Daida, 2005] Daida, J. M. (2005). Towards identifying populations that increase the likelihood of success in genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1627–1634. https://doi.org/http://dx.doi.org/10.1145/1068009.1068284

[Daida et al., 2005] Daida, J. M., Samples, M. E., & Byom, M. J. (2005). Probing for limits to building block mixing with a tunably-difficult problem for genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1713–1720. https://doi.org/http://dx.doi.org/10.1145/1068009.1068295

[Dam et al., 2005] Dam, H. H., Abbass, H. A., & Lokan, C. (2005). Dxcs: an xcs system for distributed data mining. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1883–1890. https://doi.org/http://dx.doi.org/10.1145/1068009.1068326

[Daoud & Kharma, 2005] Daoud, M. & Kharma, N. (2005). Gats 1.0: a novel ga-based scheduling algorithm for task scheduling on heterogeneous processor nets. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2209–2210. https://doi.org/http://dx.doi.org/10.1145/1068009.1068378

[Das et al., 2005a] Das, S., Konar, A., & Chakraborty, U. K. (2005a). An efficient evolutionary algorithm applied to the design of two-dimensional iir filters. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2157–2163. https://doi.org/http://dx.doi.org/10.1145/1068009.1068364

[Das et al., 2005b] Das, S., Konar, A., & Chakraborty, U. K. (2005b). Improving particle swarm optimization with differentially perturbed velocity. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 177–184. https://doi.org/http://dx.doi.org/10.1145/1068009.1068037

[Das et al., 2005c] Das, S., Konar, A., & Chakraborty, U. K. (2005c). Two improved differential evolution schemes for faster global search. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 991–998. https://doi.org/http://dx.doi.org/10.1145/1068009.1068177

[Day et al., 2005] Day, R. O., Nunez, A. S., & Lamont, G. B. (2005). Moea design of robust digital symbol sets. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2213–2214. https://doi.org/http://dx.doi.org/10.1145/1068009.1068380

[de França et al., 2005] de França, F. O., Von Zuben, F. J., & de Castro, L. N. (2005). An artificial immune network for multimodal function optimization on dynamic environments. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 289–296. https://doi.org/http://dx.doi.org/10.1145/1068009.1068057

[de Jong, 2005] de Jong, E. (2005). The maxsolve algorithm for coevolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 483–489. https://doi.org/http://dx.doi.org/10.1145/1068009.1068091

[de Jong et al., 2005] de Jong, E. D., Watson, R. A., & Thierens, D. (2005). On the complexity of hierarchical problem solving. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1201–1208. https://doi.org/http://dx.doi.org/10.1145/1068009.1068207

[de Silva & Suzuki, 2005] de Silva, U. C. & Suzuki, J. (2005). On the stationary distribution of gas with fixed crossover probability. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1147–1151. https://doi.org/http://dx.doi.org/10.1145/1068009.1068200

[Defaweux et al., 2005] Defaweux, A., Lenaerts, T., van Hemert, J., & Parent, J. (2005). Transition models as an incremental approach for problem solving in evolutionary algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 599–606. https://doi.org/http://dx.doi.org/10.1145/1068009.1068110

[Dempsey et al., 2005] Dempsey, I., O'Neill, M., & Brabazon, A. (2005). Meta-grammar constant creation with grammatical evolution by grammatical evolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1665–1671. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068289`

[Derderian et al., 2005] Derderian, K., Hierons, R. M., Harman, M., & Guo, Q. (2005). Generating feasible input sequences for extended finite state machines (efsms) using genetic algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1081–1082. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068192`

[Diaz-Gomez & Hougen, 2005] Diaz-Gomez, P. A. & Hougen, D. F. (2005). Analysis and mathematical justification of a fitness function used in an intrusion detection system. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1591–1592. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068274`

[Ding & Yu, 2005] Ding, L. & Yu, J. (2005). Some theoretical results about the computation time of evolutionary algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1409–1415. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068234`

[Downing, 2005] Downing, K. L. (2005). The predictive basis of situated and embodied artificial intelligence. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 43–50. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068016`

[Droste, 2005] Droste, S. (2005). Not all linear functions are equally difficult for the compact genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 679–686. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068124`

[Drugowitsch & Barry, 2005] Drugowitsch, J. & Barry, A. M. (2005). Xcs with eligibility traces. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1851–1858. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068322`

[Duarte et al., 2005] Duarte, A., Ángel Sánchez, Fernández, F., & Cabido, R. (2005). A low-level hybridization between memetic algorithm and vns for the max-cut problem. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 999–1006. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068178`

[Duong & Grefenstette, 2005] Duong, D. V. & Grefenstette, J. (2005). The emulation of social institutions as a method of coevolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 555–556. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068101`

[Ecemis et al., 2005] Ecemis, I., Bonabeau, E., & Ashburn, T. (2005). Interactive estimation of agent-based financial markets models: modularity and learning. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1897–1904. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068330`

[Eiben et al., 2005] Eiben, A. E., Schut, M. C., & Toma, T. (2005). Comparing multicast and newscast communication in evolving agent societies. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 75–81. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068020`

[El-Abd & Kamel, 2005] El-Abd, M. & Kamel, M. (2005). Factors governing the behavior of multiple cooperating swarms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 269–270. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068050`

[Fenton & Walsh, 2005] Fenton, P. & Walsh, P. (2005). A comparison of messy ga and permutation based ga for job shop scheduling. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1593–1594. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068275`

[Ferreira et al., 2005] Ferreira, T. A. E., Vasconcelos, G. C., & Adeodato, P. J. L. (2005). A new evolutionary method for time series forecasting. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2221–2222. https://doi.org/http://dx.doi.org/10.1145/1068009.1068384

[Ferretti & Esquivel, 2005] Ferretti, E. & Esquivel, S. (2005). Knowledge insertion: an efficient approach to reduce effort in simple genetic algorithms for unrestricted parallel equal machines scheduling. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1587–1588. https://doi.org/http://dx.doi.org/10.1145/1068009.1068272

[Ficici, 2005] Ficici, S. G. (2005). Monotonic solution concepts in coevolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 499–506. https://doi.org/http://dx.doi.org/10.1145/1068009.1068093

[Firpi et al., 2005] Firpi, H., Goodman, E., & Echauz, J. (2005). Epileptic seizure detection by means of genetically programmed artificial features. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 461–466. https://doi.org/http://dx.doi.org/10.1145/1068009.1068082

[Fleischer, 2005] Fleischer, M. (2005). Scale invariant pareto optimality: a meta–formalism for characterizing and modeling cooperativity in evolutionary systems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 233–240. https://doi.org/http://dx.doi.org/10.1145/1068009.1068044

[Foong et al., 2005] Foong, W. K., Maier, H. R., & Simpson, A. R. (2005). Ant colony optimization for power plant maintenance scheduling optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 249–256. https://doi.org/http://dx.doi.org/10.1145/1068009.1068046

[Foreman & Evett, 2005] Foreman, N. & Evett, M. (2005). Preventing overfitting in gp with canary functions. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1779–1780. https://doi.org/http://dx.doi.org/10.1145/1068009.1068307

[Funes & Pujals, 2005] Funes, P. & Pujals, E. (2005). Intransitivity revisited coevolutionary dynamics of numbers games. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 515–521. https://doi.org/http://dx.doi.org/10.1145/1068009.1068095

[Galeano et al., 2005] Galeano, J. C., Veloza-Suan, A., & González, F. A. (2005). A comparative analysis of artificial immune network models. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 361–368. https://doi.org/http://dx.doi.org/10.1145/1068009.1068066

[Garibay et al., 2005] Garibay, I., Wu, A. S., & Garibay, O. (2005). On favoring positive correlations between form and quality of candidate solutions via the emergence of genomic self-similarity. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1177–1184. https://doi.org/http://dx.doi.org/10.1145/1068009.1068204

[Garrett et al., 2005] Garrett, D., Vannucci, J., Silva, R., Dasgupta, D., & Simien, J. (2005). Genetic algorithms for the sailor assignment problem. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1921–1928. https://doi.org/http://dx.doi.org/10.1145/1068009.1068333

[Geem et al., 2005] Geem, Z. W., Lee, K. S., & Tseng, C.-L. (2005). Harmony search for structural design. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 651–652. https://doi.org/http://dx.doi.org/10.1145/1068009.1068119

[Gelly et al., 2005] Gelly, S., Teytaud, O., Bredeche, N., & Schoenauer, M. (2005). A statistical learning theory approach of bloat. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1783–1784. https://doi.org/http://dx.doi.org/10.1145/1068009.1068309

[Giacobini et al., 2005] Giacobini, M., Tomassini, M., & Tettamanzi, A. (2005). Takeover time curves in random and small-world structured populations. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1333–1340. https://doi.org/http://dx.doi.org/10.1145/1068009.1068224

[Giráldez & Aguilar-Ruiz, 2005] Giráldez, R. & Aguilar-Ruiz, J. S. (2005). Feature influence for evolutionary learning. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1139–1145. https://doi.org/http://dx.doi.org/10.1145/1068009.1068199

[Gomez & Schmidhuber, 2005] Gomez, F. J. & Schmidhuber, J. (2005). Co-evolving recurrent neurons learn deep memory pomdps. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 491–498. https://doi.org/http://dx.doi.org/10.1145/1068009.1068092

[Gong et al., 2005a] Gong, M., Jiao, L., Du, H., Shang, R., & Lu, B. (2005a). Performance assessment of an artificial immune system multiobjective optimizer by two improved metrics. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 373–374. https://doi.org/http://dx.doi.org/10.1145/1068009.1068069

[Gong et al., 2005b] Gong, M., Wang, L., Jiao, L., & Du, H. (2005b). An artificial immune system algorithm for cdma multiuser detection over multi-path channels. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2105–2111. https://doi.org/http://dx.doi.org/10.1145/1068009.1068357

[Gong et al., 2005c] Gong, Y., Nakamura, M., & Tamaki, S. (2005c). Parallel genetic algorithms on line topology of heterogeneous computing resources. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1447–1454. https://doi.org/http://dx.doi.org/10.1145/1068009.1068239

[González et al., 2005] González, F. A., Galeano, J. C., Rojas, D. A., & Veloza-Suan, A. (2005). Discriminating and visualizing anomalies using negative selection and self-organizing maps. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 297–304. https://doi.org/http://dx.doi.org/10.1145/1068009.1068058

[Gordon & Bentley, 2005] Gordon, T. G. W. & Bentley, P. J. (2005). Bias and scalability in evolutionary development. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 83–90. https://doi.org/http://dx.doi.org/10.1145/1068009.1068021

[Graham et al., 2005] Graham, L., Masum, H., & Oppacher, F. (2005). Statistical analysis of heuristics for evolving sorting networks. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1265–1270. https://doi.org/http://dx.doi.org/10.1145/1068009.1068215

[Grasemann & Miikkulainen, 2005] Grasemann, U. & Miikkulainen, R. (2005). Effective image compression using evolved wavelets. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1961–1968. https://doi.org/http://dx.doi.org/10.1145/1068009.1068338

[Greene, 2005] Greene, W. A. (2005). Schema disruption in tree-structured chromosomes. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1401–1408. https://doi.org/http://dx.doi.org/10.1145/1068009.1068233

[Grosso et al., 2005] Grosso, C. D., Antoniol, G., Penta, M. D., Galinier, P., & Merlo, E. (2005). Improving network applications security: a new heuristic to generate stress testing data. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1037–1043. https://doi.org/http://dx.doi.org/10.1145/1068009.1068185

[Gunia, 2005] Gunia, C. (2005). On the analysis of the approximation capability of simple evolutionary algorithms for scheduling problems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 571–578. https://doi.org/http://dx.doi.org/10.1145/1068009.1068106

[Guo et al., 2005] Guo, Z., Han, H. K., & Tay, J. C. (2005). Sufficiency verification of hiv-1 pathogenesis based on multi-agent simulation. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 305–312. https://doi.org/http://dx.doi.org/10.1145/1068009.1068059

[Guofang et al., 2005] Guofang, N., Minqiang, L., & Jisong, K. (2005). Multi-level genetic algorithm (mlga) for the construction of clock binary tree. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1441–1445. https://doi.org/http://dx.doi.org/10.1145/1068009.1068238

[H., 2005] H., J. A. M. (2005). Search space modulation in genetic algorithms: evolving the search space by sinusoidal transformations. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1559–1560. https://doi.org/http://dx.doi.org/10.1145/1068009.1068258

[Haas et al., 2005] Haas, J., Peysakhov, M., & Mancoridis, S. (2005). Ga-based parameter tuning for multi-agent systems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1085–1086. https://doi.org/http://dx.doi.org/10.1145/1068009.1068194

[Han & Bhanu, 2005] Han, J. & Bhanu, B. (2005). Hierarchical multi-sensor image registration using evolutionary computation. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2045–2052. https://doi.org/http://dx.doi.org/10.1145/1068009.1068349

[Hang & Dai, 2005] Hang, X. & Dai, H. (2005). Applying both positive and negative selection to supervised learning for anomaly detection. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 345–352. https://doi.org/http://dx.doi.org/10.1145/1068009.1068064

[Harman et al., 2005] Harman, M., Swift, S., & Mahdavi, K. (2005). An empirical study of the robustness of two module clustering fitness functions. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1029–1036. https://doi.org/http://dx.doi.org/10.1145/1068009.1068184

[Hartmann, 2005] Hartmann, V. (2005). Evolving agent swarms for clustering and sorting. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 217–224. https://doi.org/http://dx.doi.org/10.1145/1068009.1068042

[Hasenjäger et al., 2005] Hasenjäger, M., Sendhoff, B., Sonoda, T., & Arima, T. (2005). Three dimensional evolutionary aerodynamic design optimization with cma-es. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2173–2180. https://doi.org/http://dx.doi.org/10.1145/1068009.1068366

[Hernandez et al., 2005] Hernandez, G., Wilder, K., Nino, F., & Garcia, J. (2005). Towards a self-stopping evolutionary algorithm using coupling from the past. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 615–620. https://doi.org/http://dx.doi.org/10.1145/1068009.1068112

[Hijazi et al., 2005] Hijazi, S. L., Natarajan, B., & Das, S. (2005). An ant colony algorithm for multi-user detection in wireless communication systems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2121–2126. https://doi.org/http://dx.doi.org/10.1145/1068009.1068359

[Hiroyasu et al., 2005] Hiroyasu, T., Miki, M., Nakayama, S., & Hanada, Y. (2005). Multi-objective optimization of diesel engine emissions and fuel economy using spea2+. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2195–2196. https://doi.org/http://dx.doi.org/10.1145/1068009.1068371

[Ho & Shimizu, 2005] Ho, P. Y. & Shimizu, K. (2005). Simple addition of ranking method for constrained optimization in evolutionary algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 889–896. https://doi.org/http://dx.doi.org/10.1145/1068009.1068158

[Hohm & Hoffmann, 2005] Hohm, T. & Hoffmann, D. (2005). A multi-objective evolutionary approach to peptide structure redesign and stabilization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 423–429. https://doi.org/http://dx.doi.org/10.1145/1068009.1068077

[Hong et al., 2005] Hong, Y., Ren, Q., & Zeng, J. (2005). Genetic drift in univariate marginal distribution algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 745–746. https://doi.org/http://dx.doi.org/10.1145/1068009.1068133

[Horn, 2005] Horn, J. (2005). Shape nesting by coevolving species. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 557–558. https://doi.org/http://dx.doi.org/10.1145/1068009.1068102

[Hornby, 2005] Hornby, G. S. (2005). Measuring, enabling and comparing modularity, regularity and hierarchy in evolutionary design. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1729–1736. https://doi.org/http://dx.doi.org/10.1145/1068009.1068297

[hsiung Chan et al., 2005] hsiung Chan, C., Lee, S.-A., Kao, C.-Y., & Tsai, H.-K. (2005). Improving eax with restricted 2-opt. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1471–1476. https://doi.org/http://dx.doi.org/10.1145/1068009.1068242

[Hu et al., 2005] Hu, J., Zhong, X., & Goodman, E. D. (2005). Open-ended robust design of analog filters using genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1619–1626. https://doi.org/http://dx.doi.org/10.1145/1068009.1068283

[hua Yang et al., 2005] hua Yang, Z., cheng Fang, J., & qiang Qi, Z. (2005). Flight midcourse guidance control based on genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1501–1506. https://doi.org/http://dx.doi.org/10.1145/1068009.1068246

[Huang et al., 2005] Huang, C.-F., Bieniawski, S., Wolpert, D. H., & Strauss, C. E. M. (2005). A comparative study of probability collectives based multi-agent systems and genetic algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 751–752. https://doi.org/http://dx.doi.org/10.1145/1068009.1068136

[Huang & Rocha, 2005] Huang, C.-F. & Rocha, L. M. (2005). Tracking extrema in dynamic environments using a coevolutionary agent-based model of genotype edition. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 545–552. https://doi.org/http://dx.doi.org/10.1145/1068009.1068099

[Hunt et al., 2005] Hunt, R., Hornby, G. S., & Lohn, J. D. (2005). Toward evolved flight. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 957–964. https://doi.org/http://dx.doi.org/10.1145/1068009.1068172

[Iglesias et al., 2005] Iglesias, M. T., Naudts, B., Verschoren, A., & Vidal, C. (2005). Walsh transforms, balanced sum theorems and partition coefficients over multary alphabets. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1303–1308. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068220`

[Ishibuchi & Narukawa, 2005] Ishibuchi, H. & Narukawa, K. (2005). Comparison of evolutionary multiobjective optimization with rference solution-based single-objective approach. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 787–794. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068142`

[Ishibuchi et al., 2005] Ishibuchi, H., Narukawa, K., & Nojima, Y. (2005). An empirical study on the handling of overlapping solutions in evolutionary multiobjective optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 817–824. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068146`

[Jägersküpper & Witt, 2005] Jägersküpper, J. & Witt, C. (2005). Rigorous runtime analysis of a (μ+1)es for the sphere function. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 849–856. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068153`

[Jackson, 2005a] Jackson, D. (2005a). Dormant program nodes and the efficiency of genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1745–1751. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068299`

[Jackson, 2005b] Jackson, D. (2005b). Parsing and translation of expressions by genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1681–1688. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068291`

[Janikow & Mann, 2005] Janikow, C. Z. & Mann, C. J. (2005). Cgp visits the santa fe trail: effects of heuristics on gp. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1697–1704. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068293`

[Jansen & Schellbach, 2005] Jansen, T. & Schellbach, U. (2005). Theoretical analysis of a mutation-based evolutionary algorithm for a tracking problem in the lattice. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 841–848. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068152`

[Ji & Dasgupta, 2005] Ji, Z. & Dasgupta, D. (2005). Estimating the detector coverage in a negative selection algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 281–288. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068056`

[Jin et al., 2005] Jin, M.-H., Kao, C.-Y., Huang, Y.-C., Hsu, D. F., Lee, R.-G., & Lee, C.-K. (2005). Compact genetic algorithm for active interval scheduling in hierarchical sensor networks. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2205–2206. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068376`

[Julstrom, 2005a] Julstrom, B. A. (2005a). The blob code is competitive with edge-sets in genetic algorithms for the minimum routing cost spanning tree problem. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 585–590. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068108`

[Julstrom, 2005b] Julstrom, B. A. (2005b). Greedy, genetic, and greedy genetic algorithms for the quadratic knapsack problem. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 607–614. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068111`

[Kavka et al., 2005] Kavka, C., Roggero, P., & Schoenauer, M. (2005). Evolution of voronoi based fuzzy recurrent controllers. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1385–1392. https://doi.org/http://dx.doi.org/10.1145/1068009.1068231

[Keijzer et al., 2005] Keijzer, M., Baptist, M., Babovic, V., & Uthurburu, J. R. (2005). Determining equations for vegetation induced resistance using genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1999–2006. https://doi.org/http://dx.doi.org/10.1145/1068009.1068343

[Kennedy, 2005] Kennedy, J. (2005). Dynamic-probabilistic particle swarms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 201–207. https://doi.org/http://dx.doi.org/10.1145/1068009.1068040

[Keymeulen et al., 2005] Keymeulen, D., Fink, W., Ferguson, M. I., Peay, C., Oks, B., Terrile, R., & Yee, K. (2005). Evolutionary computation applied to the tuning of mems gyroscopes. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 927–932. https://doi.org/http://dx.doi.org/10.1145/1068009.1068168

[Kicinger et al., 2005] Kicinger, R., Arciszewski, T., & De Jong, K. (2005). Parameterized versus generative representations in structural design: an empirical comparison. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2007–2014. https://doi.org/http://dx.doi.org/10.1145/1068009.1068344

[Kim et al., 2005] Kim, J.-H., Choi, S.-S., & Moon, B.-R. (2005). Normalization for neural network in genetic search. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1581–1582. https://doi.org/http://dx.doi.org/10.1145/1068009.1068269

[Kim & Moon, 2005] Kim, Y.-H. & Moon, B.-R. (2005). New topologies for genetic search space. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1393–1399. https://doi.org/http://dx.doi.org/10.1145/1068009.1068232

[Kimura & Matsumura, 2005] Kimura, S. & Matsumura, K. (2005). Genetic algorithms using low-discrepancy sequences. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1341–1346. https://doi.org/http://dx.doi.org/10.1145/1068009.1068225

[Knidel et al., 2005] Knidel, H., de Castro, L. N., & Von Zuben, F. J. (2005). Rabnet: a real-valued antibody network for data clustering. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 371–372. https://doi.org/http://dx.doi.org/10.1145/1068009.1068068

[Koduru et al., 2005] Koduru, P., Das, S., Welch, S., Roe, J. L., & Lopez-Dee, Z. P. (2005). A co-evolutionary hybrid algorithm for multi-objective optimization of gene regulatory network models. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 393–399. https://doi.org/http://dx.doi.org/10.1145/1068009.1068073

[Konak & Smith, 2005] Konak, A. & Smith, A. E. (2005). Designing resilient networks using a hybrid genetic algorithm approach. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1279–1285. https://doi.org/http://dx.doi.org/10.1145/1068009.1068217

[Koza et al., 2005] Koza, J. R., Al-Sakran, S. H., & Jones, L. W. (2005). Automated re-invention of six patented optical lens systems using genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1953–1960. https://doi.org/http://dx.doi.org/10.1145/1068009.1068337

[Kramer et al., 2005] Kramer, O., Ting, C.-K., & Büning, H. K. (2005). A mutation operator for evolution strategies to handle constrained problems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 917–918. https://doi.org/http://dx.doi.org/10.1145/1068009.1068163

[Kurz & Canterbury, 2005] Kurz, M. E. & Canterbury, S. (2005). Minimizing total flowtime and maximum earliness on a single machine using multiple measures of fitness. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 803–809. https://doi.org/http://dx.doi.org/10.1145/1068009.1068144

[Kwon et al., 2005] Kwon, Y.-K., Choi, S.-S., & Moon, B.-R. (2005). Stock prediction based on financial correlation. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2061–2066. https://doi.org/http://dx.doi.org/10.1145/1068009.1068351

[Kwon & Moon, 2005] Kwon, Y.-K. & Moon, B.-R. (2005). Nonlinear feature extraction using a neuro genetic hybrid. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2089–2096. https://doi.org/http://dx.doi.org/10.1145/1068009.1068355

[Lameijer et al., 2005] Lameijer, E.-W., IJzerman, A., & Kok, J. (2005). The molecule evoluator: an interactive evolutionary algorithm for designing drug molecules. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1969–1976. https://doi.org/http://dx.doi.org/10.1145/1068009.1068339

[Lammermann & Wappler, 2005] Lammermann, F. & Wappler, S. (2005). Benefits of software measures for evolutionary white-box testing. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1083–1084. https://doi.org/http://dx.doi.org/10.1145/1068009.1068193

[Landau et al., 2005] Landau, S., Sigaud, O., & Schoenauer, M. (2005). Atnosferes revisited. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1867–1874. https://doi.org/http://dx.doi.org/10.1145/1068009.1068324

[Lanzi et al., 2005a] Lanzi, P. L., Loiacono, D., Wilson, S. W., & Goldberg, D. E. (2005a). Extending xcsf beyond linear approximation. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1827–1834. https://doi.org/http://dx.doi.org/10.1145/1068009.1068319

[Lanzi et al., 2005b] Lanzi, P. L., Loiacono, D., Wilson, S. W., & Goldberg, D. E. (2005b). Xcs with computed prediction in multistep environments. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1859–1866. https://doi.org/http://dx.doi.org/10.1145/1068009.1068323

[Lasarczyk & Banzhaf, 2005] Lasarczyk, C. W. G. & Banzhaf, W. (2005). Total synthesis of algorithmic chemistries. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1635–1640. https://doi.org/http://dx.doi.org/10.1145/1068009.1068285

[León-Barranco et al., 2005] León-Barranco, A., Barajas, S. E., & Reyes, C. A. (2005). Argen + arepo: mixing the artificial genetic engineering and artificial evolution of populations to improve the search process. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1597–1598. https://doi.org/http://dx.doi.org/10.1145/1068009.1068277

[Lee & Bulitko, 2005] Lee, G. & Bulitko, V. (2005). Gamm: genetic algorithms with meta-models for vision. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2029–2036. https://doi.org/http://dx.doi.org/10.1145/1068009.1068347

[Legg & Hutter, 2005] Legg, S. & Hutter, M. (2005). Fitness uniform deletion: a simple way to preserve diversity. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1271–1278. https://doi.org/http://dx.doi.org/10.1145/1068009.1068216

[Lehmann & Kaufmann, 2005] Lehmann, K. A. & Kaufmann, M. (2005). Evolutionary algorithms for the self-organized evolution of networks. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 563–570. https://doi.org/http://dx.doi.org/10.1145/1068009.1068105

[Li et al., 2005] Li, M., Azarm, S., & Aute, V. (2005). A multi-objective genetic algorithm for robust design optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 771–778. https://doi.org/http://dx.doi.org/10.1145/1068009.1068140

[Li, 2005] Li, X. (2005). Efficient differential evolution using speciation for multimodal function optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 873–880. https://doi.org/http://dx.doi.org/10.1145/1068009.1068156

[Liang et al., 2005] Liang, H.-L., Lee, C., & Wu, J.-S. (2005). Multiplex pcr primer design for gene family using genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 67–74. https://doi.org/http://dx.doi.org/10.1145/1068009.1068019

[Lim & Sim, 2005] Lim, C. & Sim, E. (2005). Production planning in manufacturing/remanufacturing environment using genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2217–2218. https://doi.org/http://dx.doi.org/10.1145/1068009.1068382

[Lima et al., 2005] Lima, C. F., Sastry, K., Goldberg, D. E., & Lobo, F. G. (2005). Combining competent crossover and mutation operators: a probabilistic model building approach. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 735–742. https://doi.org/http://dx.doi.org/10.1145/1068009.1068131

[Lin et al., 2005] Lin, F.-M., Huang, H.-D., Huang, H.-Y., & Horng, J.-T. (2005). Primer design for multiplex pcr using a genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 475–476. https://doi.org/http://dx.doi.org/10.1145/1068009.1068087

[Liu et al., 2005] Liu, B.-F., Chen, H.-M., Chen, J.-H., Hwang, S.-F., & Ho, S.-Y. (2005). Meswarm: memetic particle swarm optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 267–268. https://doi.org/http://dx.doi.org/10.1145/1068009.1068049

[Liu & Lampinen, 2005] Liu, J. & Lampinen, J. (2005). A differential evolution based incremental training method for rbf networks. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 881–888. https://doi.org/http://dx.doi.org/10.1145/1068009.1068157

[Llorà et al., 2005a] Llorà, X., Sastry, K., & Goldberg, D. E. (2005a). The compact classifier system: motivation, analysis, and first results. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1993–1994. https://doi.org/http://dx.doi.org/10.1145/1068009.1068328

[Llorà et al., 2005b] Llorà, X., Sastry, K., Goldberg, D. E., Gupta, A., & Lakshmi, L. (2005b). Combating user fatigue in igas: partial ordering, support vector machines, and synthetic fitness. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1363–1370. https://doi.org/http://dx.doi.org/10.1145/1068009.1068228

[Looks et al., 2005] Looks, M., Goertzel, B., & Pennachin, C. (2005). Learning computer programs with the bayesian optimization algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 747–748. https://doi.org/http://dx.doi.org/10.1145/1068009.1068134

[Luke, 2005] Luke, S. (2005). Evolutionary computation and the c-value paradox. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 91–97. https://doi.org/http://dx.doi.org/10.1145/1068009.1068022

[Lunacek et al., 2005] Lunacek, M., Whitley, D., & Knight, J. N. (2005). Measuring mobility and the performance of global search algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1209–1216. https://doi.org/http://dx.doi.org/10.1145/1068009.1068208

[Luo et al., 2005] Luo, X., Heywood, M. I., & Zincir-Heywood, A. N. (2005). Evolving recurrent models using linear gp. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1787–1788. https://doi.org/http://dx.doi.org/10.1145/1068009.1068311

[Lyman & Lewandowski, 2005] Lyman, M. & Lewandowski, G. (2005). Genetic programming for association rules on card sorting data. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1551–1552. https://doi.org/http://dx.doi.org/10.1145/1068009.1068254

[Majeed et al., 2005] Majeed, H., Ryan, C., & Azad, R. M. A. (2005). Evaluating gp schema in context. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1773–1774. https://doi.org/http://dx.doi.org/10.1145/1068009.1068304

[Martin, 2005] Martin, J. G. (2005). Subproblem optimization by gene correlation with singular value decomposition. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1507–1514. https://doi.org/http://dx.doi.org/10.1145/1068009.1068247

[Massey et al., 2005] Massey, P., Clark, J. A., & Stepney, S. (2005). Evolution of a human-competitive quantum fourier transform algorithm using genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1657–1663. https://doi.org/http://dx.doi.org/10.1145/1068009.1068288

[Matos et al., 2005] Matos, A., Suzuki, R., & Arita, T. (2005). Evolutionary models for maternal effects in simulated developmental systems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 149–150. https://doi.org/http://dx.doi.org/10.1145/1068009.1068032

[McLoughlin, III & Cedeño, 2005] McLoughlin, III, J. F. & Cedeño, W. (2005). The enhanced evolutionary tabu search and its application to the quadratic assignment problem. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 975–982. https://doi.org/http://dx.doi.org/10.1145/1068009.1068175

[McMinn & Holcombe, 2005] McMinn, P. & Holcombe, M. (2005). Evolutionary testing of state-based programs. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1013–1020. https://doi.org/http://dx.doi.org/10.1145/1068009.1068182

[McPartland et al., 2005] McPartland, M., Nolfi, S., & Abbass, H. A. (2005). Emergence of communication in competitive multi-agent systems: a pareto multi-objective approach. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 51–58. https://doi.org/http://dx.doi.org/10.1145/1068009.1068017

[McPhee & Crane, 2005] McPhee, N. F. & Crane, E. F. (2005). A theoretical analysis of the hiff problem. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1153–1160. https://doi.org/http://dx.doi.org/10.1145/1068009.1068201

[Meekhof & Heckendorn, 2005] Meekhof, T. & Heckendorn, R. B. (2005). Using evolutionary optimization to improve markov-based classification with limited training data. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2211–2212. https://doi.org/http://dx.doi.org/10.1145/1068009.1068379

[Mellor, 2005] Mellor, D. (2005). A first order logic classifier system. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1819–1826. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068318`

[Mezura-Montes et al., 2005] Mezura-Montes, E., Velázquez-Reyes, J., & Coello Coello, C. A. (2005). Promising infeasibility and multiple offspring incorporated to differential evolution for constrained optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 225–232. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068043`

[Mierswa, 2005] Mierswa, I. (2005). Incorporating fuzzy knowledge into fitness: multiobjective evolutionary 3d design of process plants. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1985–1992. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068341`

[Monson & Seppi, 2005a] Monson, C. K. & Seppi, K. D. (2005a). Bayesian optimization models for particle swarms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 193–200. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068039`

[Monson & Seppi, 2005b] Monson, C. K. & Seppi, K. D. (2005b). Exposing origin-seeking bias in pso. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 241–248. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068045`

[Montana & Redi, 2005] Montana, D. & Redi, J. (2005). Optimizing parameters of a mobile ad hoc network protocol with a genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1993–1998. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068342`

[Moore, 2005] Moore, F. W. (2005). A genetic algorithm for optimized reconstruction of quantized one-dimensional signals. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1599–1600. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068278`

[Mori et al., 2005] Mori, N., Takeda, M., & Matsumoto, K. (2005). A comparison study between genetic algorithms and bayesian optimize algorithms by novel indices. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1485–1492. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068244`

[Murata & Nakamura, 2005] Murata, T. & Nakamura, T. (2005). Genetic network programming with automatically defined groups for assigning proper roles to multiple agents. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1705–1712. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068294`

[Murata & Yamaguchi, 2005] Murata, T. & Yamaguchi, M. (2005). Neighboring crossover to improve ga-based q-learning method for multi-legged robot control. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 145–146. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068030`

[Nashvili et al., 2005] Nashvili, M., Olhofer, M., & Sendhoff, B. (2005). Morphing methods in evolutionary design optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 897–904. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068159`

[Nassu et al., 2005] Nassu, B. T., Duarte, Jr., E. P., & Pozo, A. T. R. (2005). A comparison of evolutionary algorithms for system-level diagnosis. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2053–2060. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068350`

[Neumann & Wegener, 2005] Neumann, F. & Wegener, I. (2005). Minimum spanning trees made easier via multi-objective optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 763–769. https://doi.org/http://dx.doi.org/10.1145/1068009.1068139

[Noman & Iba, 2005a] Noman, N. & Iba, H. (2005a). Enhancing differential evolution performance with local search for high dimensional function optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 967–974. https://doi.org/http://dx.doi.org/10.1145/1068009.1068174

[Noman & Iba, 2005b] Noman, N. & Iba, H. (2005b). Inference of gene regulatory networks using s-system and differential evolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 439–446. https://doi.org/http://dx.doi.org/10.1145/1068009.1068079

[Nummela & Julstrom, 2005] Nummela, J. & Julstrom, B. A. (2005). Evolving petri nets to represent metabolic pathways. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2133–2139. https://doi.org/http://dx.doi.org/10.1145/1068009.1068361

[Nunn & White, 2005] Nunn, I. & White, T. (2005). The application of antigenic search techniques to time series forecasting. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 353–360. https://doi.org/http://dx.doi.org/10.1145/1068009.1068065

[Ohnishi & Yoshida, 2005] Ohnishi, K. & Yoshida, K. (2005). Evolutionary change in developmental timing. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1561–1562. https://doi.org/http://dx.doi.org/10.1145/1068009.1068259

[Ondas et al., 2005] Ondas, R., Pelikan, M., & Sastry, K. (2005). Scalability of genetic programming and probabilistic incremental program evolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1785–1786. https://doi.org/http://dx.doi.org/10.1145/1068009.1068310

[Ong et al., 2005] Ong, T. J., Saunders, R., Keyser, J., & Leggett, J. J. (2005). Terrain generation using genetic algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1463–1470. https://doi.org/http://dx.doi.org/10.1145/1068009.1068241

[Pakhira & De, 2005] Pakhira, M. K. & De, R. K. (2005). A hardware pipeline for function optimization using genetic algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 949–956. https://doi.org/http://dx.doi.org/10.1145/1068009.1068171

[Pardoe et al., 2005] Pardoe, D., Ryoo, M., & Miikkulainen, R. (2005). Evolving neural network ensembles for control problems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1379–1384. https://doi.org/http://dx.doi.org/10.1145/1068009.1068230

[Parker & Georgescu, 2005] Parker, G. & Georgescu, R. (2005). Evolution of multi-loop controllers for fixed morphology with a cyclic genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 147–148. https://doi.org/http://dx.doi.org/10.1145/1068009.1068031

[Paszynska, 2005] Paszynska, A. (2005). An extension of vose's markov chain model for genetic algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1553–1554. https://doi.org/http://dx.doi.org/10.1145/1068009.1068255

[Paul et al., 2005] Paul, C., Lipson, H., & Cuevas, F. J. V. (2005). Evolutionary form-finding of tensegrity structures. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 3–10. https://doi.org/http://dx.doi.org/10.1145/1068009.1068011

[Paul & Iba, 2005] Paul, T. K. & Iba, H. (2005). Extraction of informative genes from microarray data. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 453–460. https://doi.org/http://dx.doi.org/10.1145/1068009.1068081

[Payne & Eppstein, 2005] Payne, J. L. & Eppstein, M. J. (2005). A hybrid genetic algorithm with pattern search for finding heavy atoms in protein crystals. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 377–384. https://doi.org/http://dx.doi.org/10.1145/1068009.1068071

[Peña et al., 2005] Peña, S. I. V., Rionda, S. B., & Aguirre, A. H. (2005). Multiobjective shape optimization with constraints based on estimation distribution algorithms and correlated information. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 749–750. https://doi.org/http://dx.doi.org/10.1145/1068009.1068135

[Pelikan et al., 2005] Pelikan, M., Sastry, K., & Goldberg, D. E. (2005). Multiobjective hboa, clustering, and scalability. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 663–670. https://doi.org/http://dx.doi.org/10.1145/1068009.1068122

[Perelman & Ostfeld, 2005] Perelman, L. & Ostfeld, A. (2005). Water distribution systems optimal design using cross entropy. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 647–648. https://doi.org/http://dx.doi.org/10.1145/1068009.1068117

[Peterson et al., 2005] Peterson, M. R., Doom, T. E., & Raymer, M. L. (2005). Ga-facilitated classifier optimization with varying similarity measures. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1549–1550. https://doi.org/http://dx.doi.org/10.1145/1068009.1068253

[Pham, 2005] Pham, Q. T. (2005). Evolutionary optimization of dynamic control problems accelerated by progressive step reduction. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2181–2187. https://doi.org/http://dx.doi.org/10.1145/1068009.1068367

[Phienthrakul & Kijsirikul, 2005] Phienthrakul, T. & Kijsirikul, B. (2005). Evolutionary strategies for multi-scale radial basis function kernels in support vector machines. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 905–911. https://doi.org/http://dx.doi.org/10.1145/1068009.1068160

[Philemotte & Bersini, 2005] Philemotte, C. & Bersini, H. (2005). Intrinsic emergence boosts adaptive capacity. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 559–560. https://doi.org/http://dx.doi.org/10.1145/1068009.1068103

[Pillay, 2005] Pillay, N. (2005). An investigation into using genetic programming as a means of inducing solutions to novice procedural programming problems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1781–1782. https://doi.org/http://dx.doi.org/10.1145/1068009.1068308

[Poladian, 2005] Poladian, L. (2005). A ga for maximum likelihood phylogenetic inference using neighbour-joining as a genotype to phenotype mapping. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 415–422. https://doi.org/http://dx.doi.org/10.1145/1068009.1068076

[Poli et al., 2005] Poli, R., Di Chio, C., & Langdon, W. B. (2005). Exploring extended particle swarms: a genetic programming approach. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 169–176. https://doi.org/http://dx.doi.org/10.1145/1068009.1068036

[Poli & Langdon, 2005] Poli, R. & Langdon, W. B. (2005). Backward-chaining genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1777–1778. https://doi.org/http://dx.doi.org/10.1145/1068009.1068306

[Popovici & De Jong, 2005] Popovici, E. & De Jong, K. (2005). Understanding cooperative co-evolutionary dynamics via simple fitness landscapes. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 507–514. https://doi.org/http://dx.doi.org/10.1145/1068009.1068094

[Preuss et al., 2005] Preuss, M., Schönemann, L., & Emmerich, M. (2005). Counteracting genetic drift and disruptive recombination in (μpluskommaλ)-ea on multimodal fitness landscapes. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 865–872. https://doi.org/http://dx.doi.org/10.1145/1068009.1068155

[Prodan et al., 2005] Prodan, L., Udrescu, M., & Vladutiu, M. (2005). Multiple-level concatenated coding in embryonics: a dependability analysis. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 941–948. https://doi.org/http://dx.doi.org/10.1145/1068009.1068170

[Quintana et al., 2005] Quintana, D., Luque, C., & Isasi, P. (2005). Evolutionary rule-based system for ipo underpricing prediction. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 983–989. https://doi.org/http://dx.doi.org/10.1145/1068009.1068176

[Rand & Riolo, 2005] Rand, W. & Riolo, R. (2005). The problem with a self-adaptative mutation rate in some environments: a case study using the shaky ladder hyperplane-defined functions. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1493–1500. https://doi.org/http://dx.doi.org/10.1145/1068009.1068245

[Raquel & Naval, Jr., 2005] Raquel, C. R. & Naval, Jr., P. C. (2005). An effective use of crowding distance in multiobjective particle swarm optimization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 257–264. https://doi.org/http://dx.doi.org/10.1145/1068009.1068047

[Ravichandran et al., 2005] Ravichandran, B., Gandhe, A., & Smith, R. E. (2005). Xcs for robust automatic target recognition. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1803–1810. https://doi.org/http://dx.doi.org/10.1145/1068009.1068316

[Reis et al., 2005] Reis, C., Machado, J. A. T., & Cunha, J. B. (2005). Fractional dynamic fitness functions for ga-based circuit design. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1571–1572. https://doi.org/http://dx.doi.org/10.1145/1068009.1068264

[Ressom et al., 2005] Ressom, H., Varghese, R. S., Saha, D., Orvisky, E., Goldman, L., Petricoin, E. F., Conrads, T. P., Veenstra, T. D., Abdel-Hamid, M., Loffredo, C. A., & Goldman, R. (2005). Particle swarm optimization for analysis of mass spectral serum profiles. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 431–438. https://doi.org/http://dx.doi.org/10.1145/1068009.1068078

[Richards et al., 2005] Richards, M. D., Whitley, D., Beveridge, J. R., Mytkowicz, T., Nguyen, D., & Rome, D. (2005). Evolving cooperative strategies for uav teams. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1721–1728. https://doi.org/http://dx.doi.org/10.1145/1068009.1068296

[Richter et al., 2005] Richter, J. N., Paxton, J., & Wright, A. (2005). Ea models and population fixed-points versus mutation rates for functions of unitation. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1233–1240. https://doi.org/http://dx.doi.org/10.1145/1068009.1068211

[Ridder & HandUber, 2005] Ridder, J. P. & HandUber, J. C. (2005). Mission planning for joint suppression of enemy air defenses using a genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1929–1936. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068334`

[Rieffel & Pollack, 2005] Rieffel, J. & Pollack, J. (2005). Automated assembly as situated development: using artificial ontogenies to evolve buildable 3-d objects. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 99–106. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068023`

[Rothlauf et al., 2005] Rothlauf, F., Schunk, D., & Pfeiffer, J. (2005). Classification of human decision behavior: finding modular decision rules with genetic algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2021–2028. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068346`

[Russell & Lamont, 2005] Russell, M. A. & Lamont, G. B. (2005). A genetic algorithm for unmanned aerial vehicle routing. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1523–1530. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068249`

[Sait et al., 2005a] Sait, S. M., Faheemuddin, M., Minhas, M. R., & Sanaullah, S. (2005a). Multiobjective vlsi cell placement using distributed genetic algorithm. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1585–1586. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068271`

[Sait et al., 2005b] Sait, S. M., Sanaullah, S., Zaidi, A. M., & Ali, M. I. (2005b). Comparative evaluation of parallelization strategies for evolutionary and stochastic heuristics. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 921–922. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068165`

[Sakuma & Kobayashi, 2005a] Sakuma, J. & Kobayashi, S. (2005a). Latent variable crossover for k-tablet structures and its application to lens design problems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1347–1354. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068226`

[Sakuma & Kobayashi, 2005b] Sakuma, J. & Kobayashi, S. (2005b). Real-coded crossover as a role of kernel density estimation. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 703–710. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068127`

[Samples et al., 2005] Samples, M. E., Daida, J. M., Byom, M., & Pizzimenti, M. (2005). Parameter sweeps for exploring gp parameters. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1791–1792. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068313`

[Samsonovich & De Jong, 2005] Samsonovich, A. V. & De Jong, K. A. (2005). Pricing the 'free lunch' of meta-evolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1355–1362. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068227`

[Sanchez et al., 2005] Sanchez, E., Schillaci, M., Reorda, M. S., Squillero, G., Sterpone, L., & Violante, M. (2005). New evolutionary techniques for test-program generation for complex microprocessor cores. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2193–2194. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068370`

[Sastry et al., 2005] Sastry, K., Abbass, H. A., Goldberg, D. E., & Johnson, D. D. (2005). Substructural niching in estimation of distribution algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 671–678. `https://doi.org/http://dx.doi.org/10.1145/1068009.1068123`

[Sato & Kanno, 2005] Sato, Y. & Kanno, R. (2005). Event-driven learning classifier systems for online soccer games. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2201–2202. https://doi.org/http://dx.doi.org/10.1145/1068009.1068374

[Schönemann, 2005] Schönemann, L. (2005). Optimal number of evolution strategies mutation step sizes in dynamic environments. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 923–924. https://doi.org/http://dx.doi.org/10.1145/1068009.1068166

[Scheutz & Schermerhorn, 2005] Scheutz, M. & Schermerhorn, P. (2005). Predicting population dynamics and evolutionary trajectories based on performance evaluations in alife simulations. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 35–42. https://doi.org/http://dx.doi.org/10.1145/1068009.1068015

[Schlessinger et al., 2005] Schlessinger, E., Bentley, P. J., & Lotto, R. B. (2005). Evolving visually guided agents in an ambiguous virtual world. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 115–120. https://doi.org/http://dx.doi.org/10.1145/1068009.1068025

[Schlichter et al., 2005] Schlichter, T., Haubelt, C., & Teich, J. (2005). Improving ea-based design space exploration by utilizing symbolic feasibility tests. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1945–1952. https://doi.org/http://dx.doi.org/10.1145/1068009.1068336

[Schmickl et al., 2005] Schmickl, T., Thenius, R., & Crailsheim, K. (2005). Simulating swarm intelligence in honey bees: foraging in differently fluctuating environments. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 273–274. https://doi.org/http://dx.doi.org/10.1145/1068009.1068052

[Schmitt, 2005] Schmitt, K. (2005). Using gene deletion and gene duplication in evolution strategies. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 919–920. https://doi.org/http://dx.doi.org/10.1145/1068009.1068164

[Schmitt et al., 2005] Schmitt, K., Mehnen, J., & Michelitsch, T. (2005). Using predators and preys in evolution strategies. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 827–828. https://doi.org/http://dx.doi.org/10.1145/1068009.1068148

[Schonfeld & Ashlock, 2005] Schonfeld, J. & Ashlock, D. (2005). A study of evolutionary robustness in stochastically tiled polyominos. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 19–26. https://doi.org/http://dx.doi.org/10.1145/1068009.1068013

[Seehuus et al., 2005] Seehuus, R., Tveit, A., & Edsberg, O. (2005). Discovering biological motifs with genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 401–408. https://doi.org/http://dx.doi.org/10.1145/1068009.1068074

[Seeluangsawat & Chongstitvatana, 2005] Seeluangsawat, P. & Chongstitvatana, P. (2005). A multiple objective evolutionary algorithm for multiple sequence alignment. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 477–478. https://doi.org/http://dx.doi.org/10.1145/1068009.1068088

[Seng et al., 2005] Seng, O., Bauer, M., Biehl, M., & Pache, G. (2005). Search-based improvement of subsystem decompositions. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1045–1051. https://doi.org/http://dx.doi.org/10.1145/1068009.1068186

[Seo & Moon, 2005] Seo, D.-I. & Moon, B.-R. (2005). Computing the epistasis variance of large-scale traveling salesman problems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1169–1176. https://doi.org/http://dx.doi.org/10.1145/1068009.1068203

[Seo et al., 2005] Seo, K., Goodman, E. D., & Rosenberg, R. C. (2005). Design of air pump system using bond graph and genetic programming method. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2215–2216. https://doi.org/http://dx.doi.org/10.1145/1068009.1068381

[Settles et al., 2005] Settles, M., Nathan, P., & Soule, T. (2005). Breeding swarms: a new approach to recurrent neural network training. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 185–192. https://doi.org/http://dx.doi.org/10.1145/1068009.1068038

[Settles & Soule, 2005] Settles, M. & Soule, T. (2005). Breeding swarms: a ga/pso hybrid. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 161–168. https://doi.org/http://dx.doi.org/10.1145/1068009.1068035

[Shafti & Pérez, 2005] Shafti, L. S. & Pérez, E. P. (2005). Constructive induction and genetic algorithms for learning concepts with complex interaction. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1811–1818. https://doi.org/http://dx.doi.org/10.1145/1068009.1068317

[Shakya et al., 2005] Shakya, S., McCall, J., & Brown, D. (2005). Using a markov network model in a univariate eda: an empirical cost-benefit analysis. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 727–734. https://doi.org/http://dx.doi.org/10.1145/1068009.1068130

[Shapiro et al., 2005] Shapiro, J. M., Lamont, G. B., & Peterson, G. L. (2005). An evolutionary algorithm to generate hyper-ellipsoid detectors for negative selection. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 337–344. https://doi.org/http://dx.doi.org/10.1145/1068009.1068063

[Shir & Bäck, 2005] Shir, O. M. & Bäck, T. (2005). Niching in evolution strategies. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 915–916. https://doi.org/http://dx.doi.org/10.1145/1068009.1068162

[Silva & Costa, 2005] Silva, S. & Costa, E. (2005). Resource-limited genetic programming: the dynamic approach. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1673–1680. https://doi.org/http://dx.doi.org/10.1145/1068009.1068290

[Sit & Miikkulainen, 2005] Sit, Y. F. & Miikkulainen, R. (2005). Learning basic navigation for personal satellite assistant using neuroevolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1913–1920. https://doi.org/http://dx.doi.org/10.1145/1068009.1068332

[Skellett et al., 2005] Skellett, B., Cairns, B., Geard, N., Tonkes, B., & Wiles, J. (2005). Maximally rugged nk landscapes contain the highest peaks. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 579–584. https://doi.org/http://dx.doi.org/10.1145/1068009.1068107

[Skolicki & De Jong, 2005] Skolicki, Z. & De Jong, K. (2005). The influence of migration sizes and intervals on island models. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1295–1302. https://doi.org/http://dx.doi.org/10.1145/1068009.1068219

[Smith, III, 2005] Smith, III, J. F. (2005). Evolving fuzzy decision tree structure that adapts in real-time. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1737–1744. https://doi.org/http://dx.doi.org/10.1145/1068009.1068298

[Seo & Moon, 2005] Seo, D.-I. & Moon, B.-R. (2005). Computing the epistasis variance of large-scale traveling salesman problems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1169–1176. https://doi.org/http://dx.doi.org/10.1145/1068009.1068203

[Seo et al., 2005] Seo, K., Goodman, E. D., & Rosenberg, R. C. (2005). Design of air pump system using bond graph and genetic programming method. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2215–2216. https://doi.org/http://dx.doi.org/10.1145/1068009.1068381

[Settles et al., 2005] Settles, M., Nathan, P., & Soule, T. (2005). Breeding swarms: a new approach to recurrent neural network training. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 185–192. https://doi.org/http://dx.doi.org/10.1145/1068009.1068038

[Settles & Soule, 2005] Settles, M. & Soule, T. (2005). Breeding swarms: a ga/pso hybrid. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 161–168. https://doi.org/http://dx.doi.org/10.1145/1068009.1068035

[Shafti & Pérez, 2005] Shafti, L. S. & Pérez, E. P. (2005). Constructive induction and genetic algorithms for learning concepts with complex interaction. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1811–1818. https://doi.org/http://dx.doi.org/10.1145/1068009.1068317

[Shakya et al., 2005] Shakya, S., McCall, J., & Brown, D. (2005). Using a markov network model in a univariate eda: an empirical cost-benefit analysis. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 727–734. https://doi.org/http://dx.doi.org/10.1145/1068009.1068130

[Shapiro et al., 2005] Shapiro, J. M., Lamont, G. B., & Peterson, G. L. (2005). An evolutionary algorithm to generate hyper-ellipsoid detectors for negative selection. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 337–344. https://doi.org/http://dx.doi.org/10.1145/1068009.1068063

[Shir & Bäck, 2005] Shir, O. M. & Bäck, T. (2005). Niching in evolution strategies. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 915–916. https://doi.org/http://dx.doi.org/10.1145/1068009.1068162

[Silva & Costa, 2005] Silva, S. & Costa, E. (2005). Resource-limited genetic programming: the dynamic approach. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1673–1680. https://doi.org/http://dx.doi.org/10.1145/1068009.1068290

[Sit & Miikkulainen, 2005] Sit, Y. F. & Miikkulainen, R. (2005). Learning basic navigation for personal satellite assistant using neuroevolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1913–1920. https://doi.org/http://dx.doi.org/10.1145/1068009.1068332

[Skellett et al., 2005] Skellett, B., Cairns, B., Geard, N., Tonkes, B., & Wiles, J. (2005). Maximally rugged nk landscapes contain the highest peaks. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 579–584. https://doi.org/http://dx.doi.org/10.1145/1068009.1068107

[Skolicki & De Jong, 2005] Skolicki, Z. & De Jong, K. (2005). The influence of migration sizes and intervals on island models. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1295–1302. https://doi.org/http://dx.doi.org/10.1145/1068009.1068219

[Smith, III, 2005] Smith, III, J. F. (2005). Evolving fuzzy decision tree structure that adapts in real-time. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1737–1744. https://doi.org/http://dx.doi.org/10.1145/1068009.1068298

[Sokolov & Whitley, 2005] Sokolov, A. & Whitley, D. (2005). Unbiased tournament selection. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1131–1138. https://doi.org/http://dx.doi.org/10.1145/1068009.1068198

[Sokolov et al., 2005] Sokolov, A., Whitley, D., & Lunacek, M. (2005). Alternative implementations of the griewangk function. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1589–1590. https://doi.org/http://dx.doi.org/10.1145/1068009.1068273

[Soltoggio, 2005] Soltoggio, A. (2005). An enhanced ga to improve the search process reliability in tuning of control systems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2165–2172. https://doi.org/http://dx.doi.org/10.1145/1068009.1068365

[Spector et al., 2005] Spector, L., Klein, J., & Keijzer, M. (2005). The push3 execution stack and the evolution of control. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1689–1696. https://doi.org/http://dx.doi.org/10.1145/1068009.1068292

[Spellward & Kovacs, 2005] Spellward, P. & Kovacs, T. (2005). On the contribution of gene libraries to artificial immune systems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 313–319. https://doi.org/http://dx.doi.org/10.1145/1068009.1068060

[Spieth et al., 2005] Spieth, C., Streichert, F., Speer, N., & Zell, A. (2005). Identifying valid solutions for the inference of regulatory networks. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 469–470. https://doi.org/http://dx.doi.org/10.1145/1068009.1068084

[Stanley et al., 2005] Stanley, K., Kohl, N., Sherony, R., & Miikkulainen, R. (2005). Neuroevolution of an automobile crash warning system. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1977–1984. https://doi.org/http://dx.doi.org/10.1145/1068009.1068340

[Stevens et al., 2005a] Stevens, D., Das, S., & Natarajan, B. (2005a). A multi-objective algorithm for ds-cdma code design based on the clonal selection principle. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2015–2020. https://doi.org/http://dx.doi.org/10.1145/1068009.1068345

[Stevens et al., 2005b] Stevens, J., Heckendorn, R. B., & Soule, T. (2005b). Exploiting disruption aversion to control code bloat. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1605–1612. https://doi.org/http://dx.doi.org/10.1145/1068009.1068281

[Stibor et al., 2005] Stibor, T., Mohr, P., Timmis, J., & Eckert, C. (2005). Is negative selection appropriate for anomaly detection? *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 321–328. https://doi.org/http://dx.doi.org/10.1145/1068009.1068061

[Storch, 2005] Storch, T. (2005). On the impact of objective function transformations on evolutionary and black-box algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 833–840. https://doi.org/http://dx.doi.org/10.1145/1068009.1068151

[Stout & Spector, 2005] Stout, A. & Spector, L. (2005). Validation of evolutionary activity metrics for long-term evolutionary dynamics. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 137–142. https://doi.org/http://dx.doi.org/10.1145/1068009.1068028

[Stringer & Wu, 2005] Stringer, H. & Wu, A. S. (2005). Behavior of finite population variable length genetic algorithms under random selection. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1249–1255. https://doi.org/http://dx.doi.org/10.1145/1068009.1068213

[Sudholt, 2005] Sudholt, D. (2005). Crossover is provably essential for the ising model on trees. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1161–1167. https://doi.org/http://dx.doi.org/10.1145/1068009.1068202

[Sureka & Wurman, 2005] Sureka, A. & Wurman, P. R. (2005). Applying metaheuristic techniques to search the space of bidding strategies in combinatorial auctions. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2097–2103. https://doi.org/http://dx.doi.org/10.1145/1068009.1068356

[Sutton et al., 2005] Sutton, A., Kagdi, H., Maletic, J. I., & Volkert, L. G. (2005). Hybridizing evolutionary algorithms and clustering algorithms to find source-code clones. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1079–1080. https://doi.org/http://dx.doi.org/10.1145/1068009.1068191

[Szumlanski et al., 2005] Szumlanski, S. R., Wu, A. S., & Hughes, C. E. (2005). Collaborative interactive evolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2199–2200. https://doi.org/http://dx.doi.org/10.1145/1068009.1068373

[Talaie et al., 2005] Talaie, S., Leigh, R., Louis, S. J., & Raines, G. L. (2005). Predicting mining activity with parallel genetic algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2149–2155. https://doi.org/http://dx.doi.org/10.1145/1068009.1068363

[Tanev, 2005] Tanev, I. (2005). Learned mutation strategies in genetic programming for evolution and adaptation of simulated snakebot. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 687–694. https://doi.org/http://dx.doi.org/10.1145/1068009.1068125

[Tang et al., 2005] Tang, J., Lim, M. H., Ong, Y. S., & Er, M. J. (2005). Solving large scale combinatorial optimization using pma-sls. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 621–628. https://doi.org/http://dx.doi.org/10.1145/1068009.1068113

[Tang & Jarvis, 2005] Tang, K. W. & Jarvis, R. A. (2005). From supervised ranking to evolving behaviours of a robotic team. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1325–1332. https://doi.org/http://dx.doi.org/10.1145/1068009.1068223

[Terashima-Marín et al., 2005] Terashima-Marín, H., Flores-Álvarez, E. J., & Ross, P. (2005). Hyper-heuristics and classifier systems for solving 2d-regular cutting stock problems. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 637–643. https://doi.org/http://dx.doi.org/10.1145/1068009.1068115

[Thierens, 2005] Thierens, D. (2005). An adaptive pursuit strategy for allocating operator probabilities. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1539–1546. https://doi.org/http://dx.doi.org/10.1145/1068009.1068251

[Townsend et al., 2005] Townsend, G. C., Hazel, W. N., & Smock, R. (2005). Using evolutionary computation methods to support analytical models for the evolution and maintenance of conditional strategies in chthamalus anisopoma. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 409–414. https://doi.org/http://dx.doi.org/10.1145/1068009.1068075

[Tumer & Agogino, 2005] Tumer, K. & Agogino, A. (2005). Coordinating multi-rover systems: evaluation functions for dynamic and noisy environments. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 591–598. https://doi.org/http://dx.doi.org/10.1145/1068009.1068109

[Uyar & Eryiğit, 2005] Uyar, S. & Eryiğit, G. (2005). Improvements to penalty-based evolutionary algorithms for the multi-dimensional knapsack problem using a gene-based adaptive mutation approach. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1257–1264. https://doi.org/http://dx.doi.org/10.1145/1068009.1068214

[Valsalam et al., 2005] Valsalam, V., Bednar, J., & Miikkulainen, R. (2005). Constructing good learners using evolved pattern generators. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 11–18. https://doi.org/http://dx.doi.org/10.1145/1068009.1068012

[Vigraham et al., 2005] Vigraham, S. A., Gallagher, J. C., & Boddhu, S. K. (2005). Evolving analog controllers for correcting thermoacoustic instability in real hardware. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 933–940. https://doi.org/http://dx.doi.org/10.1145/1068009.1068169

[Vrajitoru & DeBoni, 2005] Vrajitoru, D. & DeBoni, J. (2005). Hybrid real-coded mutation for genetic algorithms applied to graph layouts. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1563–1564. https://doi.org/http://dx.doi.org/10.1145/1068009.1068260

[Walker & Miller, 2005] Walker, J. A. & Miller, J. F. (2005). Investigating the performance of module acquisition in cartesian genetic programming. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1649–1656. https://doi.org/http://dx.doi.org/10.1145/1068009.1068287

[Wang et al., 2005] Wang, Z.-G., Rahman, M., & Wong, Y.-S. (2005). Multi-niche crowding in the development of parallel genetic simulated annealing. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1555–1556. https://doi.org/http://dx.doi.org/10.1145/1068009.1068256

[Wappler & Lammermann, 2005] Wappler, S. & Lammermann, F. (2005). Using evolutionary algorithms for the unit testing of object-oriented software. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1053–1060. https://doi.org/http://dx.doi.org/10.1145/1068009.1068187

[Watanabe & Sakakibara, 2005] Watanabe, S. & Sakakibara, K. (2005). The effectiveness of multiobjective optimizer in single-objective optimization enviroment. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 829–830. https://doi.org/http://dx.doi.org/10.1145/1068009.1068149

[Wedde et al., 2005] Wedde, H. F., Farooq, M., Pannenbaecker, T., Vogel, B., Mueller, C., Meth, J., & Jeruschkat, R. (2005). Beeadhoc: an energy efficient routing algorithm for mobile ad hoc networks inspired by bee behavior. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 153–160. https://doi.org/http://dx.doi.org/10.1145/1068009.1068034

[Whiteson et al., 2005] Whiteson, S., Stone, P., Stanley, K. O., Miikkulainen, R., & Kohl, N. (2005). Automatic feature selection in neuroevolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1225–1232. https://doi.org/http://dx.doi.org/10.1145/1068009.1068210

[Whiting et al., 2005] Whiting, P., Poon, P. W., & Carter, J. N. (2005). A genetic algorithm approach to the selection of near-optimal subsets from large sets. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2203–2204. https://doi.org/http://dx.doi.org/10.1145/1068009.1068375

[Wierstra et al., 2005] Wierstra, D., Gomez, F. J., & Schmidhuber, J. (2005). Modeling systems with internal state using evolino. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1795–1802. https://doi.org/http://dx.doi.org/10.1145/1068009.1068315

[Wiese et al., 2005] Wiese, K. C., Hendriks, A., Deschênes, A., & Youssef, B. B. (2005). The impact of pseudorandom number quality on p-rnapredict, a parallel genetic algorithm for rna secondary structure prediction. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 479–480. https://doi.org/http://dx.doi.org/10.1145/1068009.1068089

[Wight & Zhang, 2005] Wight, J. & Zhang, Y. (2005). An "ageing"operator and its use in the highly constrained topological optimization of hvac system design. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2075–2082. https://doi.org/http://dx.doi.org/10.1145/1068009.1068353

[Williams & Mitchell, 2005] Williams, N. & Mitchell, M. (2005). Investigating the success of spatial coevolution. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 523–530. https://doi.org/http://dx.doi.org/10.1145/1068009.1068096

[Wilson & Heywood, 2005] Wilson, G. & Heywood, M. (2005). Use of a genetic algorithm in brill's transformation-based part-of-speech tagger. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2067–2073. https://doi.org/http://dx.doi.org/10.1145/1068009.1068352

[Wright & Pulavarty, 2005] Wright, A. H. & Pulavarty, S. (2005). On the convergence of an estimation of distribution algorithm based on linkage discovery and factorization. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 695–702. https://doi.org/http://dx.doi.org/10.1145/1068009.1068126

[Wu & Chung, 2005] Wu, J.-Y. & Chung, Y.-K. (2005). Artificial immune system for solving generalized geometric problems: a preliminary results. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 329–336. https://doi.org/http://dx.doi.org/10.1145/1068009.1068062

[Xu et al., 2005] Xu, K., Louis, S. J., & Mancini, R. C. (2005). A scalable parallel genetic algorithm for x-ray spectroscopic analysis. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 811–816. https://doi.org/http://dx.doi.org/10.1145/1068009.1068145

[Yanai & Iba, 2005] Yanai, K. & Iba, H. (2005). Probabilistic distribution models for eda-based gp. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1775–1776. https://doi.org/http://dx.doi.org/10.1145/1068009.1068305

[Yang, 2005a] Yang, S. (2005a). Memory-based immigrants for genetic algorithms in dynamic environments. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1115–1122. https://doi.org/http://dx.doi.org/10.1145/1068009.1068196

[Yang, 2005b] Yang, S. (2005b). Population-based incremental learning with memory scheme for changing environments. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 711–718. https://doi.org/http://dx.doi.org/10.1145/1068009.1068128

[Yilmaz & Wu, 2005] Yilmaz, A. S. & Wu, A. S. (2005). Preservation of genetic redundancy in the existence of developmental error and fitness assignment error. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1317–1324. https://doi.org/http://dx.doi.org/10.1145/1068009.1068222

[Yilmaz et al., 2005] Yilmaz, S., Ivanov, K., & Levine, S. (2005). Application of genetic algorithm to optimize burnable poison placement in pressurized water reactors. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1477–1483. https://doi.org/http://dx.doi.org/10.1145/1068009.1068243

[Yoon et al., 2005] Yoon, Y., Kim, Y.-H., & Moon, B.-R. (2005). An evolutionary lagrangian method for the 0/1 multiple knapsack problem. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 629–635. https://doi.org/http://dx.doi.org/10.1145/1068009.1068114

[Yossi & Poli, 2005] Yossi, B. & Poli, R. (2005). Information landscapes and the analysis of search algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1287–1294. https://doi.org/http://dx.doi.org/10.1145/1068009.1068218

[Yu et al., 2005] Yu, T.-L., Sastry, K., & Goldberg, D. E. (2005). Linkage learning, overlapping building blocks, and systematic strategy for scalable recombination. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1217–1224. https://doi.org/http://dx.doi.org/10.1145/1068009.1068209

[Yuan & Gallagher, 2005] Yuan, B. & Gallagher, M. (2005). On the importance of diversity maintenance in estimation of distribution algorithms. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 719–726. https://doi.org/http://dx.doi.org/10.1145/1068009.1068129

[Yuan et al., 2005] Yuan, B., Gallagher, M., & Crozier, S. (2005). Mri magnet design: search space analysis, edas and a real-world problem with significant dependencies. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 2141–2148. https://doi.org/http://dx.doi.org/10.1145/1068009.1068362

[Zavala et al., 2005] Zavala, A. E. M., Aguirre, A. H., & Diharce, E. R. V. (2005). Constrained optimization via particle evolutionary swarm optimization algorithm (peso). *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 209–216. https://doi.org/http://dx.doi.org/10.1145/1068009.1068041

[Zechman & Ranjithan, 2005] Zechman, E. M. & Ranjithan, S. R. (2005). Multipopulation cooperative coevolutionary programming (mccp) to enhance design innovation. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1641–1648. https://doi.org/http://dx.doi.org/10.1145/1068009.1068286

[Zhan & Clark, 2005] Zhan, Y. & Clark, J. A. (2005). Search-based mutation testing for simulink models. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 1061–1068. https://doi.org/http://dx.doi.org/10.1145/1068009.1068188

[Zhang & Jang, 2005] Zhang, B.-T. & Jang, H.-Y. (2005). Molecular programming: evolving genetic programs in a test tube. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1761–1768. https://doi.org/http://dx.doi.org/10.1145/1068009.1068301

[Zhang & Rasheed, 2005] Zhang, C. & Rasheed, K. (2005). Improving ga search reliability using maximal hyper-rectangle analysis. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1185–1192. https://doi.org/http://dx.doi.org/10.1145/1068009.1068205

[Zhang et al., 2005] Zhang, J., Chung, H. S. H., & Zhong, J. (2005). Adaptive crossover and mutation in genetic algorithms based on clustering technique. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 2, 1577–1578. https://doi.org/http://dx.doi.org/10.1145/1068009.1068267

[Zhang & Rockett, 2005] Zhang, Y. & Rockett, P. I. (2005). Evolving optimal feature extraction using multi-objective genetic programming: a methodology and preliminary study on edge detection. *GECCO 2005: Proceedings of the 2005 conference on Genetic and evolutionary computation*, volume 1, 795–802. https://doi.org/http://dx.doi.org/10.1145/1068009.1068143