

Список литературы

- [Angeline and Pollack] P. Angeline and J. Pollack, Competitive environments evolve better solutions for complex tasks, pp. 264–270.
- [Axelrod 1984] R. Axelrod, *The Evolution of Cooperation*, Basic Books, 1984.
- [Axelrod 1987] Axelrod, The evolution of strategies in the iterated prisoner’s dilemma, in *Genetic Algorithms and Simulated Annealing*, edited by L. Davis, Morgan Kaufmann, 1987.
- [Cliff and Miller 1995] D. Cliff and G. F. Miller, Tracking the red queen: Measurements of adaptive progress in co-evolutionary simulations, in *Proceedings of the Third European Conference on Artificial Life*, pp. 200–218, Springer-Verlag, 1995.
- [Eriksson and Olsson 1997] R. Eriksson and B. Olsson, Cooperative coevolution in inventory control optimisation, in *Proceedings of the Third International Conference on Artificial Neural Networks and Genetic Algorithms*, edited by G. Smith, N. Steele, and R. Albrecht, University of East Anglia, Norwich, UK, 1997, Springer.
- [Ficici and Pollack a] S. Ficici and J. Pollack, Effects of finite populations on evolutionary stable strategies, pp. 880–887.
- [Ficici and Pollack b] S. Ficici and J. Pollack, Game-theoretic investigation of selection methods used in evolutionary algorithms, pp. 880–887.
- [Ficici and Pollack c] S. Ficici and J. Pollack, A game-theoretic approach to the simple coevolutionary algorithm, pp. 467–476.
- [Ficici and Pollack 1998] S. Ficici and J. Pollack, Challenges in coevolutionary learning: Arms-race dynamics, open-endedness, and mediocre stable states, in *Proceedings of the Sixth International Conference on Artificial Life*, edited by A. et al, pp. 238–247, Cambridge, MA, 1998, MIT Press.
- [Ficici and Pollack 2001] S. Ficici and J. Pollack, Pareto optimality in coevolutionary learning, Technical report, Brandeis University, 2001.
- [Fogel and Fogel 1995] D. Fogel and G. Fogel, Evolutionary stable strategies are not always stable under evolutionary dynamics, in *Proceedings of the Fourth Annual Conference on Evolutionary Programming*, edited by J. R. McDonnell, R. G. Reynolds, and D. Fogel, pp. 565–577, Cambridge, MA, 1995, MIT Press.
- [Fogel et al. 1995] D. Fogel, G. Fogel, and P. Andrews, *BioSystems*, **44**:135, 1995.
- [Fogel et al. 1998] G. Fogel, P. Andrews, and D. Fogel, *Ecological Modeling*, **109**:283, 1998.
- [Fogel 2001] D. Fogel, *Blondie24: Playing at the Edge of Artificial Intelligence*, Morgan Kaufmann, 2001.
- [Hillis 1991] D. Hillis, Artificial Life II, *SFI Studies in the Sciences of Complexity*, **10**:313, 1991.
- [Husbands and Mill 1991] P. Husbands and F. Mill, Simulated coevolution as the mechanism for emergent planning and scheduling, in *Proceedings of the Fourth International Conference on Genetic Algorithms*, edited by R. Belew and L. Booker, pp. 264–270, Morgan Kaufmann, 1991.

- [Husbands 1994] P. Husbands, Distributed coevolutionary genetic algorithms for multi-criteria and multi-constraint optimisation, in *Evolutionary Computing, AISB Workshop for Selected Papers*, pp. 150–165, Springer-Verlag, 1994.
- [Juillé and Pollak] H. Juillé and J. Pollak, Co-evolving intertwined spirals, pp. 461–468.
- [Juillé 2001] H. Juillé, Basic concepts in coevolution, 2001, Presentation at GECCO-01 Coevolutionary Workshop.
- [Kauffman 1991] S. Kauffman, Coevolution to the edge of chaos: coupled fitness landscapes, poised states, and coevolutionary avalanches, in *Artificial Life II: Studies in the Sciences of Complexity*, edited by C. Langton, C. Taylor, J. Farmer, and S. Rasmussen, volume X, pp. 325–369, Addison-Wesley, 1991.
- [Lubberts and Miikkulainen 2001] A. Lubberts and R. Miikkulainen, Co-evolving a Go-playing neural network, in *Coevolution: Turning Adaptive Algorithms upon Themselves, (Birds-on-a-Feather Workshop, Genetic and Evolutionary Computation Conference)*, 2001.
- [Luke 1998] S. Luke, Genetic programming produced competitive soccer softbot teams for RoboCup97, in *Genetic Programming 1998: Proceedings of the Third Annual Conference*, edited by J. R. Koza, W. Banzhaf, K. Chellapilla, K. Deb, M. Dorigo, D. B. Fogel, M. H. Garzon, D. E. Goldberg, H. Iba, and R. Riolo, pp. 214–222, University of Wisconsin, Madison, Wisconsin, USA, July 1998, Morgan Kaufmann.
- [Mayer] H. Mayer, Symbiotic coevolution of artificial neural networks and training data sets, pp. 511–520.
- [Moriarty and Miikkulainen 1997] D. Moriarty and R. Miikkulainen, *Evolutionary Computation*, 5:373, 1997.
- [Moriarty and Mikkulainen 1995] D. E. Moriarty and R. Mikkulainen, *Connection Science*, 7:105, 1995.
- [Pagie and Hogeweg 1997] L. Pagie and P. Hogeweg, *Evolutionary Computation*, 5:401, 1997.
- [Pagie and Mitchell] L. Pagie and M. Mitchell, A comparison of evolutionary and coevolutionary search, pp. 20–25.
- [Pagie and P.] L. Pagie and H. P., Information integration and red queen dynamics in coevolutionary optimization, pp. 1260–1267.
- [Pagie 1999] L. Pagie, *Coevolutionary dynamics: information integration, speciation, and red queen dynamics*, PhD thesis, University of New Mexico, Santa Fe, NM, 1999.
- [Panait and Luke 2002] L. Panait and S. Luke, A comparison of two competitive fitness functions, 2002, Submitted to GECCO 2002.
- [Paredis 1994] J. Paredis, Steps towards co-evolutionary classification networks, in *Artificial Life IV, Proceedings of the fourth International Workshop on the Synthesis and Simulation of Living Systems.*, edited by R. A. Brooks and P. Maes, pp. 359–365, MIT Press, 1994.
- [Paredis 1996] J. Paredis, *Artificial Life Journal*, 2, 1996.

- [Pollack and Blair 1998] J. Pollack and A. Blair, Machine Learning, **32**:225, 1998.
- [Pollack et al. 1997] J. Pollack, A. Blair, and M. Land, Coevolution of a backgammon player, in *Artificial Life V*, MIT Press, 1997.
- [Potter and De Jong a] M. Potter and K. De Jong, The coevolution of antibodies for concept learning, pp. 530–539.
- [Potter and De Jong b] M. Potter and K. De Jong, A cooperative coevolutionary approach to function optimization, pp. 249–257.
- [Potter and De Jong c] M. Potter and K. De Jong, Evolving neural networks with collaborative species, pp. 307–317.
- [Potter and De Jong 2000] M. Potter and K. De Jong, Evolutionary Computation, **8**:1, 2000.
- [Potter 1997] M. Potter, *The Design and Analysis of a Computational Model of Cooperative CoEvolution*, PhD thesis, George Mason University, Fairfax, Virginia, 1997.
- [Reynolds 1994] C. Reynolds, Competition, coevolution and the game of tag, in *Artificial Life IV, Proceedings of the fourth International Workshop on the Synthesis and Simulation of Living Systems.*, edited by R. A. Brooks and P. Maes, pp. 59–69, MIT Press, 1994.
- [Rosin and Belew] C. Rosin and R. Belew, Methods for competitive co-evolution: Finding opponents worth beating, pp. 373–380.
- [Rosin and Belew 1996] C. Rosin and R. Belew, Evolutionary Computation, **5**:1, 1996.
- [Rosin and Belew 1997] C. Rosin and R. Belew, Evolutionary Computation, **5**:1, 1997.
- [Rosin 1997] C. Rosin, *Coevolutionary Search Among Adversaries*, PhD thesis, University of California, San Diego, 1997.
- [Schlierkamp-Voosen and Mühlenbein] D. Schlierkamp-Voosen and H. Mühlenbein, Strategy adaptation by competing subpopulations, pp. 199–108.
- [Sims 1994] K. Sims, Evolving 3D morphology and behavior by competition, in *Artificial Life IV, Proceedings of the fourth International Workshop on the Synthesis and Simulation of Living Systems.*, edited by R. A. Brooks and P. Maes, pp. 28–39, MIT Press, 1994.
- [Sims 1999] K. Sims, Evolving three-dimensional morphology and behaviour, in *Evolutionary Design by Computers*, edited by P. Bentley, Morgan Kaufmann, 1999.
- [Smith and Gray 1993] R. Smith and B. Gray, Co-adaptive genetic algorithms: An example in othello strategy, Technical Report TCGA 94002, University of Alabama, Department of Engineering Science and Mechanics, 1993.
- [Watson and Pollack] R. Watson and J. Pollack, Coevolutionary dynamics in a minimal substrate, pp. 702–709.
- [Wiegand] R. P. Wiegand, Applying diffusion to a cooperative coevolutionary model, pp. 560–569.
- [Wiegand et al. a] R. P. Wiegand, W. Liles, and K. De Jong, Analyzing cooperative coevolution with evolutionary game theory, (To appear).

[Wiegand et al. b]

R. P. Wiegand, W. Liles, and K. De Jong, An empirical analysis of collaboration methods in cooperative coevolutionary algorithms, pp. 1235–1242.

[Wiegand et al. 2001]

R. P. Wiegand, W. Liles, and K. De Jong, Multi-population symmetric game dynamics, 2001, In preparation.