Список литературы

[Angeline and Pollack()] P. Angeline and J. Pollack. Competitive environments evolve better solutions for complex tasks. pages 264–270.

[Axelrod(1987)] Axelrod. 1987. The evolution of strategies in the iterated prisoner's dilemma. In Lawrence Davis, editor, *Genetic Algorithms and Simulated Annealing*. Morgan Kaufmann.

[Axelrod(1984)] R. Axelrod. 1984. *The Evolution of Cooperation*. Basic Books.

[Cliff and Miller(1995)] D. Cliff and G. F. Miller. 1995. Tracking the red queen: Measurements of adaptive progress in co–evolutionary sumulations. In *Proceedings of the Third European Conference on Artificial Life*, pages 200–218. Springer–Verlag.

[Eriksson and Olsson(1997)] R. Eriksson and B. Olsson. 1997. Cooperative coevolution in inventory control optimisation. In *Proceedings of the Third International Conference on Artificial Neural Networks and Genetic Algorithms*, University of East Anglia, Norwich, UK. Springer.

[Ficici and Pollack(a)] S. Ficici and J. Pollack. a. Effects of finite populations on evolutionary stable strategies. pages 880–887.

[Ficici and Pollack(b)] S. Ficici and J. Pollack. b. Game–theoretic investigation of selection methods used in evolutionary algorithms. pages 880–887.

[Ficici and Pollack(c)] S. Ficici and J. Pollack. c. A game-theoretic approach to the simple coevolutionary algorithm. pages 467–476.

[Ficici and Pollack(1998)] S. Ficici and J. Pollack. 1998. Challenges in coevolutionary learning: Arms–race dynamics, open–endedness, and mediocre stable states. In *Proceedings of the Sixth International Conference on Artificial Life*, pages 238–247, Cambridge, MA. MIT Press.

[Ficici and Pollack(2001)] Sevan Ficici and Jordan Pollack. 2001. Pareto optimality in coevolutionary learning. Technical report, Brandeis University.

[Fogel(2001)] D. Fogel. 2001. *Blondie24: Playing at the Edge of Artificial Intelligence*. Morgan Kaufmann.

[Fogel and Fogel(1995)] David Fogel and Gary Fogel. 1995. Evolutionary stable strategies are not always stable under evolutionary dynamics. In *Proceedings of the Fourth Annual Conference on Evolutionary Programming*, pages 565–577, Cambridge, MA. MIT Press.

[Fogel et al.(1995)Fogel, Fogel, and Andrews] David Fogel, Gary Fogel, and Peter Andrews. 1995. On the instability of evolutionary stable strategies. *BioSystems*, 44:135–152.

[Fogel et al.(1998)Fogel, Andrews, and Fogel] Gary Fogel, Peter Andrews, and David Fogel. 1998. On the instability of evolutionary stable strategies in small populations. *Ecological Modeling*, 109:283–294.

[Hillis(1991)] D. Hillis. 1991. Co-evolving parasites improve simulated evolution as an optimization procedure. *Artificial Life II, SFI Studies in the Sciences of Complexity*, 10:313–324.

[Husbands(1994)] P. Husbands. 1994. Distributed coevolutionary genetic algorithms for multi–criteria and multi-constraint optimisation. In *Evolutionary Computing, AISB Workshop for Selected Papers*, pages 150–165. Springer–Verlag.

[Husbands and Mill(1991)] P. Husbands and F. Mill. 1991. Simulated coevolution as the mechanism for emergent planning and scheduling. In *Proceedings of the Fourch International Conference on Genetic Algorithms*, pages 264–270. Morgan Kaufmann.

[Juillé(2001)] H. Juillé. 2001. Basic concepts in coevolution. Presentation at GECCO-01 Coevolutionary Workshop.

[Juillé and Pollak()] H. Juillé and J. Pollak. Co-evolving interwined spirals. pages 461–468.

[Kauffman(1991)] Stuart Kauffman. 1991. Coevolution to the edge of chaos: coupled fitness landscapes, poised states, and coevolutionary avalanches. In *Artificial Life II: Studies in the Sciences of Complexity*, volume X, pages 325–369. Addison-Wesley.

[Lubberts and Miikkulainen(2001)] Alex Lubberts and Risto Miikkulainen. 2001. Co-evolving a Go-playing neural network. In *Coevolution: Turning Adaptive Algorithms upon Themselves, (Birds-on-a-Feather Workshop, Genetic and Evolutionary Computation Conference)*.

[Luke(1998)] S. Luke. 1998. Genetic programming produced competitive soccer softbot teams for RoboCup97. In *Genetic Programming 1998: Proceedings of the Third Annual Conference*, pages 214–222, University of Wisconsin, Madison, Wisconsin, USA. Morgan Kaufmann.

[Mayer()] H. Mayer. Symbiotic coevolution of artificial neural networks and training data sets. pages 511–520.

[Moriarty and Miikkulainen(1997)] D. Moriarty and R. Miikkulainen. 1997. Forming neural networks through efficient and adaptive coevolution. *Evolutionary Computation*, 5(4):373–399.

[Moriarty and Mikkulainen(1995)] David E. Moriarty and Risto Mikkulainen. 1995. Discovering complex othello strategies through evolutionary neural networks. *Connection Science*, 7(3):105–209.

[Pagie and Hogeweg(1997)] L. Pagie and P. Hogeweg. 1997. Evolutionary consequences of coevolving targets. *Evolutionary Computation*, 5(4):401–418.

[Pagie and Mitchell()] L. Pagie and M. Mitchell. A comparison of evolutionary and coevolutionary search. pages 20–25.

[Pagie and P.()] L. Pagie and Hogeweg P. Information integration and red queen dynamics in coevolutionary optimization. pages 1260–1267.

[Pagie(1999)] Ludo Pagie. 1999. *Coevolutionary dynamics: information integration, speciation, and red queen dynamics*. Ph.D. thesis, University of New Mexico, Santa Fe, NM.

[Panait and Luke(2002)] Liviu Panait and Sean Luke. 2002. A comparison of two competitive fitness functions. Submitted to GECCO 2002.

[Paredis(1994)] J. Paredis. 1994. Steps towards co-evolutionary classification networks. In *Artificial Life IV, Proceedings of the fourth International Workshop on the Synthesis and Simulation of Living Systems.*, pages 359–365. MIT Press.

[Paredis(1996)] J. Paredis. 1996. Coevolutionary computation. *Artificial Life Journal*, 2(3).

[Pollack and Blair(1998)] J. Pollack and A. Blair. 1998. Coevolution in the successful learning of backgammon strategy. *Machine Learning*, 32(3):225–240.

[Pollack et al.(1997)Pollack, Blair, and Land] J. Pollack, A. Blair, and M. Land. 1997. Coevolution of a backgammon player. In *Artificial Life V*. MIT Press.

[Potter(1997)] M. Potter. 1997. *The Design and Analysis of a Computational Model of Cooperative CoEvolution*. Ph.D. thesis, George Mason University, Fairfax, Virginia.

[Potter and De Jong(a)] M. Potter and K. De Jong. a. The coevolution of antibodies for concept learning. pages 530–539.

[Potter and De Jong(b)] M. Potter and K. De Jong. b. A cooperative coevolutionary approach to function optimization. pages 249–257.

[Potter and De Jong(c)] M. Potter and K. De Jong. c. Evolving neural networks with collaborative species. pages 307–317.

[Potter and De Jong(2000)] M. Potter and K. De Jong. 2000. Cooperative coevolution: An architecture for evolving coadapted subcomponents. *Evolutionary Computation*, 8(1):1–29.

[Reynolds(1994)] Craig Reynolds. 1994. 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.*, pages 59–69. MIT Press.

[Rosin(1997)] C. Rosin. 1997. *Coevolutionary Search Among Adversaries.* Ph.D. thesis, University of California, San Diego.

[Rosin and Belew()] C. Rosin and R. Belew. Methods for competitive co-evolution: Finding opponents worth beating. pages 373–380.

[Rosin and Belew(1996)] C. Rosin and R. Belew. 1996. New methods for competitive coevolution. *Evolutionary Computation*, 5(1):1–29.

[Rosin and Belew(1997)] C. Rosin and R. Belew. 1997. New methods for competitive coevolution. *Evolutionary Computation*, 5(1):1–29.

[Schlierkamp-Voosen and Mühlenbein()] D. Schlierkamp-Voosen and H. Mühlenbein. Strategy adaptation by competing subpopulations. pages 199–108.

[Sims(1999)] K. Sims. 1999. Evolving three-dimensional morphology and behaviour. In Peter Bentley, editor, *Evolutionary Design by Computers.* Morgan Kaufmann.

[Sims(1994)] Karl Sims. 1994. 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.*, pages 28–39. MIT Press.

[Smith and Gray(1993)] R. Smith and B. Gray. 1993. Co-adaptive genetic algorithms: An example in othello strategy. Technical Report TCGA 94002, University of Alabama, Department of Engineering Science and Mechanics.

[Watson and Pollack()] R. Watson and J. Pollack. Coevolutionary dynamics in a minimal substrate. pages 702–709.

[Wiegand()] R. Paul Wiegand. Applying diffusion to a cooperative coevolutionary model. pages 560–569.

[Wiegand et al.(a)Wiegand, Liles, and De Jong] R. Paul Wiegand, William Liles, and Kenneth De Jong. a. Analyzing cooperative coevolution with evolutionary game theory. (To appear).

[Wiegand et al.(b)Wiegand, Liles, and De Jong] R. Paul Wiegand, William Liles, and Kenneth De Jong. b. An empirical analysis of collaboration methods in cooperative coevolutionary algorithms. pages 1235–1242.

[Wiegand et al.(2001)Wiegand, Liles, and De Jong] R. Paul Wiegand, William Liles, and Kenneth De Jong. 2001. Multi–population symmetric game dynamics. In preparation.