



DAFTAR PUSTAKA

- Amato, C, Chowdhary, G, Geramifard, A, Ure, N. K, dan Kochenderfer, M. J, 2015, *Decentralized Control of Partially Observable Markov Decision Processes*, Technical report.
- Awate, Y. P, 5 2009, Policy-Gradient Based Actor-Critic Algorithms. In *2009 WRI Global Congress on Intelligent Systems*, volume 3, pages 505–509. doi: 10.1109/GCIS.2009.372.
- Campbell, M, Hoane, A. J, dan Hsu, F.-H, 2002, *Deep Blue*, Technical report.
- Chen, L dan Zhou, J, 2023, Multi-Agent Flocking Formation with Orientating and Rotating Maneuverability. In *2023 6th International Symposium on Autonomous Systems, ISAS 2023*. Institute of Electrical and Electronics Engineers Inc. ISBN 9798350316155. doi: 10.1109/ISAS59543.2023.10164577.
- Claus, C dan Boutilier, C, 1998, *The Dynamics of Reinforcement Learning in Cooperative Multiagent Systems*, Technical report.
- Farag, W, 2020, *Multi-Agent Reinforcement Learning using the Deep Distributed Distributional Deterministic Policy Gradients Algorithm*, Technical report.
- Foerster, J. N, Chen, R. Y, Al-Shedivat, M, Whiteson, S, Abbeel, P, dan Mordatch, I, 9 2017, *Learning with Opponent-Learning Awareness*.
- Gu, Y, Wang, X, Cao, X, Zhang, X, Li, M, Hong, Z, Chen, Y, dan Zhao, J, 11 2023, Multi-USV Formation Control and Obstacle Avoidance Under Virtual Leader. In *2023 China Automation Congress (CAC)*, pages 3411–3416. IEEE. ISBN 979-8-3503-0375-9. doi: 10.1109/CAC59555.2023.10450500. URL <https://ieeexplore.ieee.org/document/10450500/>.
- Jain, G, Kumar, A, dan Bhat, S. A, 2024, *Recent Developments of Game Theory and Reinforcement Learning Approaches: A Systematic Review*. *IEEE Access*, 12: 9999–10011. ISSN 21693536. doi: 10.1109/ACCESS.2024.3352749.
- Jan, G. E, Lei, T, Sun, C. C, You, Z. Y, dan Luo, C, 2024, *On the Problems of Drone Formation and Light Shows*. *IEEE Transactions on Consumer Electronics*. ISSN 15584127. doi: 10.1109/TCE.2024.3421516.

- Jiang, B, Du, J, Jiang, C, Han, Z, dan Debbah, M, 2023, *Underwater Searching and Multi-Round Data Collection via AUV Swarms: An Energy-Efficient AoI-Aware MAPPO Approach*. *IEEE Internet of Things Journal*. ISSN 23274662. doi: 10.1109/JIOT.2023.3336055.
- Jiang, S, Liang, J, Cao, J, Wang, J, Chen, J, dan Liang, Z, 12 2019, Decentralized algorithm for repeating pattern formation by multiple robots. In *Proceedings of the International Conference on Parallel and Distributed Systems - ICPADS*, volume 2019-December, pages 594–601. IEEE Computer Society. ISBN 9781728125831. doi: 10.1109/ICPADS47876.2019.00090.
- K, R. V dan KP, S, 1 2019, *An Insight into the Dynamics and State Space Modelling of a 3-D Quadrotor*. URL <http://arxiv.org/abs/1901.01051>.
- Konda, V dan Tsitsiklis, J, 2001, *Actor-Critic Algorithms*. *Society for Industrial and Applied Mathematics*, 42.
- Li, H, Zong, Q, dan Zhang, X, 2022, *Anti-collision Trajectory Planning for Satellite Formation Reconstruction Based on Deep Reinforcement Learning*, Technical report.
- Liu, H, Zhao, W, dan Xi, J, 5 2021, Optimal formation control for a quadrotor team under switching topologies via reinforcement learning. In *Proceedings - 2021 4th IEEE International Conference on Industrial Cyber-Physical Systems, ICPS 2021*, pages 731–736. Institute of Electrical and Electronics Engineers Inc. ISBN 9781728162072. doi: 10.1109/ICPS49255.2021.9468221.
- Lowe, R, Wu, Y, Tamar, A, Harb, J, Abbeel, P, dan Mordatch, I, 6 2017, *Multi-Agent Actor-Critic for Mixed Cooperative-Competitive Environments*. URL <http://arxiv.org/abs/1706.02275>.
- Mou, Z, Zhang, Y, Gao, F, Wang, H, Zhang, T, dan Han, Z, 10 2021, *Deep Reinforcement Learning Based Three-Dimensional Area Coverage with UAV Swarm*. *IEEE Journal on Selected Areas in Communications*, 39(10):3160–3176. ISSN 15580008. doi: 10.1109/JSAC.2021.3088718.
- Oliehoek, F. A dan Amato, C, 2016, *A concise introduction to decentralized POMDPs*. Springer. ISBN 9783319289274.

- Pendlebury, J, Xiong, H, dan Walshe, R, 2012, Artificial Neural Network Simulation on CUDA. In *2012 IEEE/ACM 16th International Symposium on Distributed Simulation and Real Time Applications*, pages 228–233. doi: 10.1109/DS-RT.2012.40.
- Pichierri, L, Testa, A, dan Notarstefano, G, 8 2023, *CrazyChoir: Flying Swarms of Crazyflyie Quadrotors in ROS 2*. *IEEE Robotics and Automation Letters*, 8(8): 4713–4720. ISSN 23773766. doi: 10.1109/LRA.2023.3286814.
- Russell, S dan Norvig, P, 2010, *Artificial Intelligence: A Modern Approach*. Prentice Hall, 3 edition.
- Schulman, J, Moritz, P, Levine, S, Jordan, M, dan Abbeel, P, 6 2015, *High-Dimensional Continuous Control Using Generalized Advantage Estimation*. URL <http://arxiv.org/abs/1506.02438>.
- Schulman, J, Wolski, F, Dhariwal, P, Radford, A, dan Klimov, O, 7 2017, *Proximal Policy Optimization Algorithms*. URL <http://arxiv.org/abs/1707.06347>.
- Silver, D, Hubert, T, Schrittwieser, J, Antonoglou, I, Lai, M, Guez, A, Lanctot, M, Sifre, L, Kumaran, D, Graepel, T, Lillicrap, T, Simonyan, K, dan Hassabis, D, 12 2017, *Mastering Chess and Shogi by Self-Play with a General Reinforcement Learning Algorithm*. URL <http://arxiv.org/abs/1712.01815>.
- Sutton, R. S dan Barto, A. G, 2018, *Reinforcement Learning: An Introduction*. The MIT Press, second edition. URL <http://incompleteideas.net/book/the-book-2nd.html>.
- Tai, J. J, Wong, J, Innocente, M, Horri, N, Brusey, J, dan Phang, S. K, 4 2023, *PyFlyt – UAV Simulation Environments for Reinforcement Learning Research*. URL <http://arxiv.org/abs/2304.01305>.
- Wang, D, Fan, T, Han, T, dan Pan, J, 4 2020, *A Two-Stage Reinforcement Learning Approach for Multi-UAV Collision Avoidance under Imperfect Sensing*. *IEEE Robotics and Automation Letters*, 5(2):3098–3105. ISSN 23773766. doi: 10.1109/LRA.2020.2974648.

- Wang, J dan Paschalidis, I. C, 6 2017, *An Actor-Critic Algorithm With Second-Order Actor and Critic. IEEE Transactions on Automatic Control*, 62(6):2689–2703. ISSN 1558-2523. doi: 10.1109/TAC.2016.2616384.
- Wang, J, Cao, J, Stojmenovic, M, Zhao, M, Chen, J, dan Jiang, S, 12 2019, Pattern-RL: Multi-robot cooperative pattern formation via deep reinforcement learning. In *Proceedings - 18th IEEE International Conference on Machine Learning and Applications, ICMLA 2019*, pages 210–215. Institute of Electrical and Electronics Engineers Inc. ISBN 9781728145495. doi: 10.1109/ICMLA.2019.00040.
- Wilkins, J. J, 2021, *Multi-Agent Deep Reinforcement Learning: Revisiting MADDPG*, Technical report.
- Wu, K, Wang, Q, Wu, Y, Liu, J, dan Xue, L, 2022, *Multiple AMR Rigid Formation Control With Collision Avoidance Based On MADDPG*, Technical report.
- Xing, X, Zhou, Z, Li, Y, Xiao, B, dan Xun, Y, 2024, *Multi-UAV Adaptive Cooperative Formation Trajectory Planning Based on An Improved MATD3 Algorithm of Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology*. ISSN 19399359. doi: 10.1109/TVT.2024.3389555.
- Yu, C, Velu, A, Vinitsky, E, Gao, J, Wang, Y, Bayen, A, dan Wu, Y, 3 2021, *The Surprising Effectiveness of PPO in Cooperative, Multi-Agent Games*. URL <http://arxiv.org/abs/2103.01955>.