

REFERENCES

- [1] Robert L Axtell. 2002. Non-cooperative dynamics of multi-agent teams. In *Proceedings of the first international joint conference on Autonomous agents and multiagent systems: part 3*. 1082–1089.
- [2] Alain Bensoussan, KCJ Sung, Sheung Chi Phillip Yam, and Siu-Pang Yung. 2016. Linear-quadratic mean field games. *Journal of Optimization Theory and Applications* 169, 2 (2016), 496–529.
- [3] Kai Cui and Heinz Koepl. 2021. Approximately solving mean field games via entropy-regularized deep reinforcement learning. In *International Conference on Artificial Intelligence and Statistics*. PMLR, 1909–1917.
- [4] Soham De, Michele J Gelfand, Dana Nau, and Patrick Roos. 2015. The inevitability of ethnocentrism revisited: Ethnocentrism diminishes as mobility increases. *Scientific reports* 5, 1 (2015), 1–7.
- [5] Soham De, Dana S Nau, and Michele J Gelfand. 2017. Understanding norm change: An evolutionary game-theoretic approach. In *Proceedings of the 16th Conference on Autonomous Agents and MultiAgent Systems*. 1433–1441.
- [6] Boualem Djehiche, Alain Tcheukam, and Hamidou Tembine. 2017. A mean-field game of evacuation in multilevel building. *IEEE Trans. Automat. Control* 62, 10 (2017), 5154–5169.
- [7] Dmitriy Drusvyatskiy. 2017. The proximal point method revisited. *arXiv preprint arXiv:1712.06038* (2017).
- [8] Richard Durrett and Simon Levin. 1994. The importance of being discrete (and spatial). *Theoretical population biology* 46, 3 (1994), 363–394.
- [9] Karthik Elamvazhuthi and Spring Berman. 2019. Mean-field models in swarm robotics: A survey. *Bioinspiration & Biomimetics* 15, 1 (2019), 015001.
- [10] Feng Fu, Martin A Nowak, and Christoph Hauert. 2010. Invasion and expansion of cooperators in lattice populations: Prisoner’s dilemma vs. snowdrift games. *Journal of theoretical biology* 266, 3 (2010), 358–366.
- [11] Herbert Gintis. 2009. *Game Theory Evolving, Second Edition*. Princeton University Press.
- [12] Bruce Hajek and Michael Livesay. 2019. On non-unique solutions in mean field games. *arXiv:1903.05788 [math.OC]*
- [13] Christoph Hauert and György Szabó. 2005. Game theory and physics. *American Journal of Physics* 73, 5 (2005), 405–414.
- [14] Benjamin Herd, Simon Miles, Peter McBurney, and Michael Luck. 2013. Verification and validation of agent-based simulations using approximate model checking. In *International Workshop on Multi-Agent Systems and Agent-Based Simulation*. Springer, 53–70.
- [15] Minyi Huang, Roland P Malhamé, Peter E Caines, et al. 2006. Large population stochastic dynamic games: closed-loop McKean-Vlasov systems and the Nash certainty equivalence principle. *Communications in Information & Systems* 6, 3 (2006), 221–252.
- [16] Christian Kuehn. 2016. Moment closure—a brief review. In *Control of self-organizing nonlinear systems*. Springer, 253–271.
- [17] Jean-Michel Lasry and Pierre-Louis Lions. 2007. Mean field games. *Japanese journal of mathematics* 2, 1 (2007), 229–260.
- [18] Wonjun Lee, Siting Liu, Wuchen Li, and Stanley Osher. 2021. Mean field control problems for vaccine distribution. *arXiv:2104.11887 [math.OC]*
- [19] Gianluca Manzo and Toby Matthews. 2014. Potentialities and limitations of agent-based simulations. *Revue française de sociologie* 55, 4 (2014), 653–688.
- [20] Hirotsugu Matsuda, Naofumi Ogita, Akira Sasaki, and Kazunori Satō. 1992. Statistical mechanics of population: the lattice Lotka-Volterra model. *Progress of theoretical Physics* 88, 6 (1992), 1035–1049. <https://academic.oup.com/ptp/article/88/6/1035/1854847>
- [21] Javier Morales, Michael Wooldridge, Juan A Rodríguez-Aguilar, and Maite López-Sánchez. 2018. Off-line synthesis of evolutionarily stable normative systems. *Autonomous agents and multi-agent systems* 32, 5 (2018), 635–671.
- [22] Satoru Morita. 2008. Extended pair approximation of evolutionary game on complex networks. *Progress of theoretical physics* 119, 1 (2008), 29–38.
- [23] François Mériaux, Vineeth Varma, and Samson Lasaulce. 2012. Mean field energy games in wireless networks. In *2012 Conference Record of the Forty Sixth Asilomar Conference on Signals, Systems and Computers (ASILOMAR)*. 671–675. <https://doi.org/10.1109/ACSSC.2012.6489095>
- [24] Hisashi Ohtsuki, Christoph Hauert, Erez Lieberman, and Martin A Nowak. 2006. A simple rule for the evolution of cooperation on graphs and social networks. *Nature* 441, 7092 (2006), 502–505. <https://www.nature.com/articles/nature04605>
- [25] Christopher E Overton, Mark Broom, Christoforos Hadjichrysanthou, and Kieran J Sharkey. 2019. Methods for approximating stochastic evolutionary dynamics on graphs. *Journal of Theoretical Biology* 468 (2019), 45–59.
- [26] Jorge Peña, Bin Wu, Jordi Arranz, and Arne Traulsen. 2016. Evolutionary games of multiplayer cooperation on graphs. *PLoS computational biology* 12, 8 (2016), e1005059.
- [27] Steve Phelps, Peter McBurney, and Simon Parsons. 2010. Evolutionary mechanism design: a review. *Autonomous agents and multi-agent systems* 21, 2 (2010), 237–264.
- [28] Marc Ponsen, Karl Tuyls, Michael Kaisers, and Jan Ramon. 2009. An evolutionary game-theoretic analysis of poker strategies. *Entertainment Computing* 1, 1 (2009), 39–45.
- [29] William H Sandholm. 2009. Evolutionary game theory. In *Encyclopedia of Complexity and Systems Science*. Springer, 3176–3205.
- [30] P. Shakarian, P. Roos, and A. Johnson. 2012. A review of evolutionary graph theory with applications to game theory. *Biosystems* (2012).
- [31] György Szabó and Gábor Fáth. 2007. Evolutionary games on graphs. *Physics Reports* 446, 4–6 (Jul 2007), 97–216. <https://doi.org/10.1016/j.physrep.2007.04.004>
- [32] György Szabó and Csaba Töke. 1998. Evolutionary prisoner’s dilemma game on a square lattice. *Physical Review E* 58, 1 (1998), 69.
- [33] Arne Traulsen and Christoph Hauert. 2009. Stochastic evolutionary game dynamics. *Reviews of nonlinear dynamics and complexity* 2 (2009), 25–61.
- [34] Karl Tuyls and Simon Parsons. 2007. What evolutionary game theory tells us about multiagent learning. *Artificial Intelligence* 171, 7 (2007), 406–416.
- [35] Sven Van Segbroeck, Jorge M Pacheco, Tom Lenaerts, and Francisco C Santos. 2012. Emergence of fairness in repeated group interactions. *Physical review letters* 108, 15 (2012), 158104.
- [36] Hobart Peyton Young. 2001. *Individual strategy and social structure: An evolutionary theory of institutions*. Princeton University Press.