Reading list

Conventions & perturbed dynamics

This list is intended as a sample and is in no way whatsoever intended to be exhaustive! It has a bias towards relatively recent work, from which an interested reader can work backwards.

Trees & cycles

[1] H. Peyton Young. *Individual Strategy and Social Structure*. Princeton University Press, Princeton, 1998.

[2] William H. Sandholm. *Population Games and Evolutionary Dynamics*. MIT Press, Cambridge, 2010.

[3] Jonathan Newton. Evolutionary game theory: A renaissance. *Games*, 9(2):31, 2018.

[4] Jonathan Newton and William H Sandholm. Stochastic dynamics and Edmonds' algorithm. *Journal of Dynamics and Games*, 9(4):529–546, 2022.

The book [1] is a good reference for tree methods, together with some applications. The book [2, Section IV] also gives detailed and rigorous exposition. The survey [3, Sections 1,4,6] discusses more recent applications. [4] describes cycles, trees and Chiu-Liu-Edmonds' algorithm.

Asymmetry

[5] Marcin Peski. Generalized risk-dominance and asymmetric dynamics. *Journal of Economic Theory*, 145(1):216 – 248, 2010.

[6] Jonathan Newton. Conventions under heterogeneous behavioural rules. *The Review of Economic Studies*, 88(4):2094–2118, 2021.

[7] Heinrich Harald Nax and Jonathan Newton. Deep and shallow thinking in the long run. *Theoretical Economics*, 17(4):1501–1527, 2022.

Logit & potential

[8] Lawrence E. Blume. How noise matters. *Games and Economic Behavior*, 44:251–271, 2003.

[9] Carlos Alós-Ferrer and Nick Netzer. The logit response dynamics. *Games and Economic Behavior*, 68:413–427, 2010.

[10] Gabriel E Kreindler and H Peyton Young. Rapid innovation diffusion in social networks. *Proceedings of the National Academy of Sciences*, 111(supplement_3):10881–10888, 2014.

Assorted applications

[11] Fernando Vega-Redondo. The evolution of Walrasian behavior. *Econometrica*, 65:375–384, 1997.

[12] Murali Agastya. Stochastic stability in a double auction. *Games and Economic Behavior*, 48:203–222, 2004.

[13] Carlos Alós-Ferrer and Fei Shi. Imitation with asymmetric memory. *Economic Theory*, 49(1), 2012.

[14] Jonathan Newton. Coalitional stochastic stability. *Games and Economic Behavior*, 75(2):842–54, 2012.

[15] Ryoji Sawa. Coalitional stochastic stability in games, networks and markets. *Games and Economic Behavior*, 88:90–111, 2014.

[16] Carlos Alós-Ferrer and Simon Weidenholzer. Imitation and the role of information in overcoming coordination failures. *Games and Economic Behavior*, 87:397–411, 2014.

[17] Jonathan Newton and Simon D. Angus. Coalitions, tipping points and the speed of evolution. *Journal of Economic Theory*, 157(0):172 – 187, 2015.

[18] Miharu Naono. Cost heterogeneity and the persistence of bilingualism. *Games and Economic Behavior*, 136:325–339, 2022.