

Monotone methods for comparative statics and equilibrium analysis

- Basics

1. *Milgrom and Roberts, "Rationalizability, Learning and Equilibrium in Games with Strategic Complementarities," *Econometrica*, 58(6), November 1990, 1255-1277.
2. *Milgrom and Shannon, "Monotone Comparative Statics," *Econometrica*, 62(1), January 1994, 157-180.
3. *Topkis, "Minimizing a Submodular Function on a Lattice," *Operations Research*, 26, 305-321.

- More Methods

1. Shannon, "Weak and Strong Monotone Comparative Statics," *Economic Theory*, 5, 209-227.
2. Edlin and Shannon, "Strict Monotonicity in Comparative Statics," *JET*, 81(1), July 1998, pp. 201-219.
3. *Athey, "Monotone Comparative Statics Under Uncertainty," MIT working paper 96-22, available at <http://web.mit.edu/athery/www/CSU0900.pdf>
4. Milgrom and Roberts, "Comparing Equilibria," *American Economic Review*, 84(3), 441-459.
5. Hopenhayn and Prescott, "Stochastic Monotonicity and Stationary Distributions for Dynamic Economies," *Econometrica*, 60 (2), November 1992, 1387-1406.
6. Echenique, "Comparative Statics by Adaptive Dynamics and the Correspondence Principle," working paper, July 2000.

- Some applications

1. Milgrom and Roberts, "The Economics of Modern Manufacturing" *American Economic Review*, 80 (3), 51-528.
2. Athey, "Single Crossing Properties and the Existence of Pure Strategy Equilibria in Games of Incomplete Information," working paper, Feb. 1997, available at <http://web.mit.edu/athery/www/scpexist.pdf>.
3. Persico, "Information Acquisition in Auctions," *Econometrica*, January 2000, 68(1), pp. 135-48.
4. Bergemann and Valimaki, "Information Acquisition and Efficient Mechanism Design" available at <http://cowles.econ.yale.edu/P/cd/d12a/d1248.pdf>

5. Athey and Levin, "The Value of Information in Monotone Decision Problems," available at <http://web.mit.edu/athey/www/VOI.pdf>
6. Segal, "Contracting with Externalities," *QJE*, 114(2), pp. 337-388, 1999
7. Morris and Shin, "Global Games: Theory and Applications" available at <http://www.econ.yale.edu/sm326/seattle.pdf>

- Other related work

1. Milgrom, "Comparing Optima," *Journal of Political Economy*, 102(3), 607-15.
2. Milgrom and Roberts, "Adaptive and Sophisticated Learning in Repeated Normal Form Games," *Games and Economic Behavior*, 1991, 82-100.
3. Vives, "Nash Equilibrium with Strategic Complementarities," *Journal of Mathematical Economics*, 19, 305-21.
4. Bulow, Geanakoplos, and Klemperer, "Multimarket oligopoly: strategic substitutes and complements," *Journal of Political Economy*, 93, 488-511.
5. Topkis, "Equilibrium points in nonzero-sum n person supermodular games," *SIAM Journal of Control and Optimization*, 17, 773-787.
6. Topkis, *Supermodularity and Complementarity*, Princeton University Press.
7. Cooper, *Coordination Games: Complementarities and Macroeconomics*, Cambridge University Press.
8. Athey Milgrom Roberts, *Robust Comparative Statics*, draft manuscript (not publicly available currently).