

ECONOMICS 201 --- ADVANCED GENERAL EQUILIBRIUM THEORY

Prof. Ross M. Starr
(Preliminary --- Subject to revision)

Finite Economies

1. Mathematics: Point to Set Mappings
Starr, *General Equilibrium Theory: An Introduction*, 2nd Edition, Chapter 23
2. General Equilibrium and the core of an economy with set-valued supply and demand
Starr, *General Equilibrium Theory: An Introduction*, 2nd Edition, Chapter 24, and sections 8.2, 22.4
Section 22.4 includes Starr's restatement of R. Anderson's "Elementary Core Equivalence Theorem," *Econometrica*, v. 46, n. 6 (November 1978), pp1483 – 1487.

Infinite Economies

3. Mathematics: Lebesgue measure, Lebesgue integration
R. Bartle, "Elements of Integration and Lebesgue Measure" Chapters 11 to 17
H. Royden, and P. M. Fitzpatrick, *Real Analysis*, 4th, Chapters 2,3,4
"Lyapunov Theorem" by Loeb and Rashid (?) in *The New Palgrave* (1st print edition)
4. Equivalence (In a large economy, the set of general equilibrium allocations = core)
B. Grodal, "The Equivalence Principle," TBA
R. J. Aumann, "Markets with a Continuum of Traders," *Econometrica*, v. 32, n. 1-2, (1964), pp. 39 -50.
5. Existence of General Equilibrium in a Large Economy
R. J. Aumann, "Integrals of Set-Valued Functions," *Journal of Mathematical Analysis and Applications*, v. 12, 1965, pp. 1 – 12.
R. J. Aumann, "Existence of Competitive Equilibria in Markets with a Continuum of Traders," *Econometrica*, v. 34, n. 1, January 1966.
6. Indivisible commodities
A. Mas-Colell, "Indivisible Commodities and General Equilibrium Theory," *Journal of Economic Theory*, v. 16, (1977), pp.443 – 456.
7. Macroeconomics
M. Feldman and C. Gilles, "An expository note on individual risk without aggregate uncertainty," **Journal of Economic Theory**, Volume 35, Issue 1, February 1985, Pages 26-32

Regular Economies

8. Balasko, *Foundations of the Theory of General Equilibrium*, Chapters 1 – 5.