

References

- Aczel J., *Lectures on Functional Equations and Applications*, New York, Academic Press, 1966.
- Agarwal R., M. Meehan and D. O'Regan, *Fixed Point Theory and Applications*, Cambridge, Cambridge University Press, 2001.
- Aigner M. and G. Ziegler, *Proofs from THE BOOK*, Berlin, Springer-Verlag, 1999.
- Aliprantis C. and K. Border, *Infinite Dimensional Analysis: A Hitchhiker's Guide*, New York, Springer-Verlag, 1999.
- Aliprantis C., R. Tourky and N. Yannelis (2000), "Cone conditions in general equilibrium theory," *Journal of Economic Theory*, 92, 96-121.
- Anscombe F. and R. Aumann (1963), "A definition of subjective probability," *Annals of Mathematical Statistics*, 34, 199-205.
- Asplund E. (1968), . (1962), "Fréchet differentiability of convex functions," *Acta Mathematica*, 121, 31-48.
- Aumann R. (1962), "Utility theory without the completeness axiom," *Econometrica*, 30, 445-462.
- Aumann R. (1985), "On the nontransferable utility value: A comment on the Roth-Shafer examples," *Econometrica*, 53, 667-677.
- Aumann R., and S. Hart, eds., *Handbook of Game Theory, Vol. 1*, Amsterdam, North-Holland, 1992.
- Baye M., G. Tian, and J. Zhou (1993) "Characterizations of the existence of equilibria in games with discontinuous and non-quasiconcave payoffs," *Review of Economic Studies*, 60, 935-948.
- Banks J. and J. Duggan (1999), "Existence of Nash equilibria on convex sets," mimeo, Cal Tech.
- Basu K. and T. Mitra (2003), "Aggregating infinite utility streams with intergenerational equity: The impossibility of being Paretian," *Econometrica*, 71, 1557-1563.
- Baye M., G. Tian and J. Zhou (1993), "Characterizations of the existence of equilibria in games with discontinuous and non-quasiconcave payoffs," *Review of Economic Studies*, 60, 935-948.
- Beardon A. (1992), "Debreu's gap theorem," *Economic Theory*, 2, 150-52.
- Beardon A., J. Candeal, G. Herden, E. Induráin, and G. Mehta (2002), "The non-existence of a utility function and the structure of non-representable preference relations," *Journal of Mathematical Economics* 37, 17-38.
- Becker R. and J. Boyd III, *Capital Theory, Equilibrium Analysis and Recursive Utility*, Oxford, Blackwell Publishers, 1997.
- Bellman R., *Dynamic Programming*, Princeton, Princeton University Press, 1957.
- Bellman R., *Eye of the Hurricane*, Singapore, World Scientific Publishing Company, 1984.
- Benacerraf P. and H. Putnam, eds., *Philosophy of Mathematics*, Cambridge, Cambridge University Press, 1983.
- Berge C., *Topological Spaces*, New York, MacMillan, 1963.
- Bertsekas D., *Dynamic Programming and Stochastic Control*, New York, Academic Press, 1976.

- Bewley T. (1986), "Knightian uncertainty theory. Part I," Cowles Foundation Discussion Paper No. 807.
- Bewley T. (2002), "Knightian uncertainty theory. Part I," *Decisions in Economics and Finance*, 25, 79-110.
- Billot A., A. Chateauneuf, I. Gilboa and J-M. Tallon (2000), "Sharing beliefs: between agreeing and disagreeing," *Econometrica*, 68, 685-694.
- Blackwell D. and M. Girshick, *Theory of Games and Statistical Decisions*, New York, Dover, 1954.
- Boel S., T. Carlsen and N. Hansen (2001), "A useful generalization of the Stone-Weierstrass Theorem," *American Mathematical Monthly*, 108, 642-643.
- Bonnet R. and M. Pouzet (1982), "Linear Extensions of Ordered Sets," in I. Rival, ed., *Ordered Sets*, Reidel Publishing Company, pp. 125-170.
- Border K., *Fixed Point Theorems in Economics*, Cambridge, Cambridge University Press, 1989.
- Borwein J., "Convex relations in analysis and optimization," in *Generalized Convexity in Optimization and Economics*, New York: Academic Press, 1981, pp. 335-377.
- Borwein J. and A. Lewis, *Convex Analysis and Nonlinear Optimization*, New York, Springer-Verlag, 2000.
- Boyd D. and J. Wong (1969), "On nonlinear contractions," *Proceedings of the American Mathematical Society*, 20, 456-464.
- Boyer C. and U. Merzbach, *A History of Mathematics*, New York, Wiley, 1989.
- Broida J. and G. Williamson, *A Comprehensive Introduction to Linear Algebra*, Addison-Wesley, 1989.
- Browder F. (1968), "The fixed point theory of multi-valued mappings in topological vector spaces," *Mathematische Annalen*, 177, 283-301.
- Brøndsted (1976), "Fixed points and partial orders," *Proceedings of the American Mathematical Society*, 60, 365-366.
- Cain G. and M. Nashed (1971), "Fixed points and stability for a sum of two operators in locally convex spaces," *Pacific Journal of Mathematics*, 39, 581-592.
- Camerer C. (1995), "Individual decision making," in *The Handbook of Experimental Economics*, J. Kagel and A. Roth (eds.), Princeton, Princeton University Press, 1995, pp. 587-673.
- Caristi J. (1976), "Fixed point theorems for mappings satisfying inwardness conditions," *Transactions of the American Mathematical Society*, 215, 241-251.
- Carothers N., *Real Analysis*, Cambridge, Cambridge University Press, 2000.
- Cartan H., *Differential Calculus*, Boston, Houghton Mifflin, 1971.
- Cauty R. (2001) "Solution du problème de point fixe de Schauder." *Fundamenta Mathematicae* 170, 231-246.
- Cellina A., (1969), "Approximation of set-valued functions and fixed-point theorems," *Annali di Matematica Pura et Applicata*, 82, 17-24.
- Chae S.B., *Lebesgue Integration*, Berlin, Springer-Verlag, 1995.

- Crémer J. (1982), “A simple proof of Blackwell’s “comparison of experiments” theorem,” *Journal of Economic Theory*, 27, 439-443.
- Corchón L., *Theories of Imperfectly Competitive Markets*, Berlin, Springer-Verlag, 1996.
- Cox H. (1968), “A proof of the Schröder-Bernstein theorem,” *American Mathematical Monthly*, 75, 508.
- Cubiotii P. (1997), “Existence of Nash equilibria for generalized games without upper semicontinuity,” *International of Game Theory*, 26, 267-273.
- Daffer P., H. Kaneko, and W. Li (1996), “On a conjecture of S. Reich” *Proceedings of the American Mathematical Society*, 124, 3159-3162.
- Dasgupta P. and E. Maskin (1986), “The existence of equilibrium in discontinuous economic games 1: theory,” *Review of Economic Studies*, 53, 1-26.
- Dauben J. (1980), “The development of Cantorian set theory,” in I. Grattan-Guinness, ed., *From the Calculus to Set Theory: 1630-1910*, Princeton, Princeton University Press, 1980.
- Debreu G. (1954) “Representation of a preference relation by a numerical function,” in R. M. Thrall, C. H. Coombs, and R. L. Davis, eds., *Decision Process*, New York, Wiley, 1954.
- Debreu G. (1964), “Continuity properties of Paretian utility,” *International Economic Review*, 5, 285-93.
- de la Fuente A., *Mathematical Methods and Models for Economists*, Cambridge, Cambridge University Press, 1999.
- Devlin K., *The Joy of Sets*, Springer-Verlag, New York, 1993.
- Dieudonné J., *Foundations of Modern Analysis*, New York, Academic press, 1969.
- Dow J. and S. Werlang (1992), “Uncertainty aversion, risk aversion and the optimal choice of portfolio,” *Econometrica*, 197-204.
- Dreyfus S. (2000), “Richard Bellman on the birth of dynamic programming,” *Operations Research*, 50, 48-51.
- Dubey P., A. Mas-Colell, and M. Shubik (1980), “Efficiency properties of strategic market games,” *Journal of Economic Theory*, 22, 339-362.
- Dubra J. and F. Echenique (2001), “Monotone preferences over information,” *Topics in Theoretical Economics* 1, Article 1.
- Dubra J. and E. A. Ok (2002), “A model of procedural decision making in the presence of risk,” *International Economic Review* 43, 1053-1080.
- Dubra J., F. Maccheroni and E. A. Ok (2004), “The expected utility theorem without the completeness axiom,” *Journal of Economic Theory*, 115, 118-133.
- Dudley R., *Real Analysis and Probability*, Cambridge, Cambridge University Press, 2002.
- Duffie D., *Dynamic Asset Pricing Theory*, Princeton, Princeton University Press, 1996.
- Dugundji J. and A. Granas, *Fixed Point Theory, Vol. 1*, Warszawa, Polish Scientific Publishers, 1982.

- Eliaz K. and E. A. Ok (2005), "Indifferent or Indecisive? Revealed Preference Foundations of Incomplete Preferences," forthcoming in *Games and Economic Behavior*.
- Enderton H., *Elements of Set Theory*, Academic press, Boston, 1977.
- Enflo P. (1973), "A counterexample to the approximation problem in Banach spaces," *Acta Mathematica*, 130, 309-317.
- Epstein L. and T. Wang, "Intertemporal asset pricing under Knightian uncertainty," *Econometrica*, 62, 183-322.
- Federer H., *Geometric Measure Theory*, Berlin, Springer-Verlag, 1996.
- Fishburn P., *Utility Theory for Decision Making*, New York, Wiley and Sons, 1970.
- Fishburn P. (1991), "Nontransitive preferences in decision theory," *Journal of Risk and Uncertainty*, 4, 113-134.
- Folland G., *Real Analysis: Modern Techniques and Their Applications*, New York, Wiley, 1999.
- Friedman J., *Game Theory with Applications to Economics*, New York, Oxford University Press, 1990.
- Fudenberg D. and J. Tirole, *Game Theory*, Cambridge, MIT Press, 1991.
- Gamelin T. and R. Greene, *Introduction to Topology*, New York, Dover, 1999.
- Gelbaum B. and J. Olmsted, *Theorems and Counterexamples in Mathematics*, New York, Springer-Verlag, 1991.
- Gilboa I. and D. Schmeidler (1989), "Maxmin expected utility with non-unique prior," *Journal of Mathematical Economics*, 18, 141-153.
- Gilboa I. and D. Schmeidler (1994), "Additive representations of non-additive measures and the Choquet integral," *Annals of Operations Research*, 52, 43-65.
- Ghirardato P. and J. Katz (2000), "Indecision theory: explaining selective abstention in multiple elections," Caltech Social Science Working Paper # 1106.
- Gleason A., *Fundamentals of Abstract Analysis*, Boston, Jones and Bartlett, 1991.
- Glicksberg L. (1952), "A further generalization of the Kakutani fixed point theorem with application to Nash equilibrium points," *Proceedings of the American Mathematical Society*, 38, 170-174.
- Goebel K. and W. Kirk, *Topics in Metric Fixed Point Theory*, Cambridge, Cambridge University Press, 1990.
- Goldberg S., *Unbounded Linear Operators*, New York, McGraw-Hill, 1966.
- Grandmont J-M. (1972), "Continuity Properties of a von Neumann-Morgenstern Utility," *Journal of Economic Theory* 4, 45-57.
- Haaser N. and J. Sullivan, *Real Analysis*, New York, Dover, 1991.
- Halmos P., *Naive Set Theory*, New York, van Nostrand, 1960.
- Harsanyi J. C. (1955), "Cardinal welfare individual ethics, and interpersonal comparisons of utility," *Journal of Political Economy* 63, 309-321.
- Hart S. and A. Mas-Colell (1989), "Potential, value, and consistency," *Econometrica* 57, 589-614.

- Hennefeld J. (1980), "A nontopological proof of the uniform boundedness theorem," *American Mathematical Monthly* 87, 217.
- Herstein I. N. and J. Milnor (1953), An axiomatic approach to measurable utility, *Econometrica*, 21, 291-297.
- Hewitt E. (1960), "The role of compactness in analysis," *American Mathematical Monthly*, 67, 499-516.
- Hewitt E. and K. Stromberg, *Real and Abstract Analysis*, New York, Springer-Verlag, 1965.
- Hildenbrand W. and A. Kirman, *Equilibrium Analysis*, Amsterdam, North-Holland, 1988.
- Hiriart-Urruty J-B. and C. Lemaréchal, *Fundamentals of Convex Analysis*, Berlin, Springer-Verlag, 2000.
- Holmes R.B., *Geometric Functional Analysis and its Applications*, New York, Springer-Verlag, 1975.
- Hörmander L., *Notions of Convexity*, Boston, Birkhäuser, 1994.
- Hu T. (1967), "On a fixed-point theorem for metric spaces," *American Mathematical Monthly*, 436-437.
- Jachymski J. (1995), "On Reich's question concerning fixed points of multimaps," *Unione Matematica Italiana Bollettino*, 9, 453-460.
- Jachymski J. (1998), "Caristi's fixed point theorem and selections of set-valued contractions," *Journal of Mathematical Analysis and Applications*, 227, 55-67.
- Jaffray J-Y. (1975), "Existence of a continuous utility function: an elementary proof," *Econometrica*, 43, 981-983.
- James I., *Remarkable Mathematicians: From Euler to von Neumann*, Cambridge, Cambridge University Press, 2002.
- Kakutani S. (1941), "A generalization of Brouwer's fixed point theorem," *Duke Mathematical Journal*, 8, 457-459.
- Kannai Y. (1981), "An elementary proof of the no-retraction theorem," *American Mathematical Monthly*, 88, 264-268.
- Kaplansky I., *Set Theory and Metric Spaces*, New York, Chelsea, 1977.
- Karni E. and D. Schmeidler (1991), "Utility theory with uncertainty," in W. Hildenbrand and H. Sonnenschein, eds., *Handbook of Mathematical Economics*, Vol. 4, Amsterdam, North-Holland.
- Kirzbraun (1934), "Über die zusammenziehenden und Lipschitzschen Transformationen," *Fundamenta Mathematicae*, 22, 77-108.
- Klee V. (1950), "Decomposition of an infinite-dimensional linear system into ubiquitous convex sets," *American Mathematical Monthly* 50, 540-541.
- Klee V. (1951), "Convex sets in linear spaces I," *Duke Mathematical Journal*, 18, 443-466.
- Klee V. (1955), "Some topological properties of convex sets," *Transaction of American Mathematical Society* 178, 30-45.

- Klee V. (1969), "Separation and support properties of convex sets," in *Control Theory and the Calculus of Variations*, ed. by A. Balakrishnan, New York: Academic Press, pp. 235-304.
- Klee V. (1971), "What is a convex set?" *American Mathematical Monthly*, 78, 616-631.
- Klein E., *Mathematical Methods in Theoretical Economics*, New York, Academic Press, 1973.
- Klein E. and A. Thompson, *Theory of Correspondences*, New York, Wiley, 1984.
- Knill R. (1965), "Fixed points of uniform contractions," *Journal of Mathematical Analysis and Applications*, 12, 449-455.
- Koçkesen L., E. A. Ok and R. Sethi (2000), "The strategic advantage of negatively interdependent preferences," *Journal of Economic Theory* 92, 274-299.
- Kolmogorov A. and S. Fomin, *Introductory Real Analysis*, New York, Dover, 1970.
- Köthe G., *Topological Vector Spaces I*, New York, Springer-Verlag, 1969.
- Krein M. and M. Rutman (1950), "Linear operators leaving invariant a cone in a Banach space," *American Mathematical Society Translations*, No. 6.
- Kreyszig E., *Introductory Functional Analysis with Applications*, New York, Wiley, 1978.
- Kreps D., *Notes on the Theory of Choice*, Boulder, Westview Press, 1988.
- Laugwitz D., *Bernhard Riemann, 1826-1865: Turning Points in the Conception of Mathematics*, Boston, Birkhauser, 1999.
- Lax P., *Linear Algebra*, New York: John Wiley and Sons, 1999.
- Lebesgue H. (1927), "Sur le développement de la notion d'intégrale," *Revue de Métaphysique et de Morale*, 34, 149-167.
- Leininger W. (1984), "A generalisation of the 'Maximum Theorem'," *Economics Letters*, 15, 309-313.
- Lin P. and Y. Sternfeld (1985), "Convex sets with Lipschitz fixed point property are compact," *Proceedings of American Mathematical Society* 93, 633-639.
- Ljungqvist L. and T. Sargent, *Recursive Macroeconomic Theory*, Cambridge, MIT Press, 2000.
- Luenberger D., *Optimization by Vector Space Methods*, New York, Wiley, 1969.
- MacCluer C. (2000), "The many proofs and applications of Perron's Theorem," *SIAM Review*, 42, 487-498.
- Machina M. (1987), "Choice under uncertainty: problems solved and unsolved," *Journal of Economic Perspectives*, 1, 121-154.
- Maddox I., *Elements of Functional Analysis*, Cambridge, Cambridge University Press, 1988.
- Maddox I. (1989), "The norm of a linear functional," *American Mathematical Monthly*, 96, 434-436.
- Maligranda A. (1995), "A simple proof of the Hölder and Minkowski Inequalities," *American Mathematical Monthly*, 92, 256-259.
- Mandler M. (2004), "Incomplete preferences and rational intransitivity of choice," *Games and Economic Behavior*, forthcoming.

Mas-Colell A., *The Theory of General Economic Equilibrium: A Differentiable Approach*, Cambridge, Cambridge University Press, 1989.

Marek W. and J. Mycielski (2001), "Foundations of mathematics in the twentieth century," *American Mathematical Monthly*, 108, 449-468.

Marinacci, M. and L. Montrucchio (2004), "Introduction to the mathematics of ambiguity," in *Uncertainty in Economic Theory: Essays in Honor of David Schmeidlers 65th Birthday*, Routledge, 2004.

Marsden J. and M. Hoffman, *Elementary Classical Analysis*, San Francisco, W. H. Freeman, 1993.

Marshall A. and I. Olkin, *Inequalities: Theory of Majorization and its Applications*, San Diego, Academic Press, 1979.

Masatlioglu Y. and E. A. Ok (2005), "Rational Choice with Status Quo Bias," *Journal of Economic Theory*, 121, 1-29.

Matkowski (1973), "On Lipschitzian solutions of a functional equation," *Annales Polonici Mathematici*, 28, 135-139.

Matkowski (1975), "Integrable solutions of functional equations," *Dissertationes Mathematicae*, 127.

McShane E. (1934), "Extension of ranges of functions," *Bulletin of American Mathematical Society*, 40, 837-842.

Merryfield J. and J. Stein Jr. (2002), "A generalization of the Banach contraction principle," *Journal of Mathematical Analysis and Applications*, 273, 112-120.

Meggison R., *An Introduction to Banach Space Theory*, New York, Springer, 1998.

Milgrom P. and J. Roberts (1990), "Rationalizability, learning and equilibrium in games with strategic complementarities," *Econometrica*, 58, 1255-1278.

Minty G. (1970), "On the extension of Lipschitz, Lipschitz-Hölder continuous, and monotonic functions," *Bulletin of American Mathematical Society*, 76, 334-339.

Mitra T. (2000), "Introduction to dynamic optimization theory," in *Optimization and Chaos*, M. Majumdar, T. Mitra and K. Nishimura, eds., New York: Springer-Verlag, Chapter 2.

Moulin H. (2001), "Axiomatic cost and surplus-sharing," in *Handbook of Social Choice and Welfare*, K. Arrow, A. Sen and K. Suzumuro, eds., Amsterdam, North-Holland, 2001.

Mukerji S. (1998), "Ambiguity aversion and incompleteness of contractual form," *American Economic Review*, 88, 1207-1231.

Myerson R., *Game Theory*, Cambridge, Harvard University Press, 1991.

Nadler Jr. S. (1969), "Multi-valued contraction mappings," *Pacific Journal of Mathematics*, 30, 415-487.

Nadler Jr. S., *Hyperspaces of Sets*, New York, Marcel Dekker, 1978.

Nash J. (1950), "The bargaining problem," *Econometrica*, 28, 155-162.

Nash J. (1951), "Noncooperative games," *Annals of Mathematics*, 54, 286-295.

Negishi T. (1960), "Welfare economics and existence of an equilibrium for a competitive economy," *Metroeconomica*, 12, 92-97.

- Nikodem K. (1987), "On midpoint convex set-valued functions," *Aequationes Mathematicae*, 33, 46-56.
- Nirenberg L., *Functional Analysis*, Lecture Notes, Courant Institute of Mathematical Sciences, NYU, 1974.
- Ok E. A. (2000), "Utility representation of an incomplete preference relation," *Journal of Economic Theory*, 104, 429-449.
- Ok E. A. (2002), "Nonzero fixed points of power-bounded linear operators," *Proceedings of the American Mathematical Society*, 131, 1539-1551.
- Ok E. A. (2004), "Fixed set theory for closed correspondences," *Nonlinear Analysis*, 56, 309-330.
- Ok E.A., *Probability Theory with Applications*, Princeton, Princeton University Press, 2005.
- Ok E. A. (2002), "Functional representation of rotund-valued proper multifunctions," *mimeo*, NYU.
- Ok E. A. and L. Koçkesen (2000), "Negatively interdependent preferences," *Social Choice and Welfare*, 3, 533-558.
- Ok E. A. and Y. Masatlioglu (2005), "A general theory of time preferences," forthcoming in *Econometrica*.
- Osborne M. and A. Rubinstein, *A Course in Game Theory*, Cambridge, MIT Press, 1994.
- Parthasarathy T., *Selection Theorems and their Applications*, Berlin, Springer-Verlag, 1971.
- Peleg B. (1970), "Utility functions for partially ordered topological spaces," *Econometrica*, 38, 93-96.
- Phelps R. (1957), "Convex sets and nearest points," *Proceedings of the American Mathematical Society*, 8, 790-797.
- Rader T. (1963), "The existence of a utility function to represent preferences," *Review of Economic Studies*, 30, 229-32.
- Ray D., *Dynamic Programming and Dynamic Games*, Lecture Notes, Boston University, 1995.
- Reich S. (1972), "Fixed points of contractive functions," *Unione Matematica Italiana Bollettino*, 5, 26-42.
- Reny P. (1999), "On the existence of pure and mixed strategy Nash equilibria," *Econometrica*, 67, 1029-1056.
- Richter M. K. (1966), "Revealed preference theory," *Econometrica*, 34, 635-645.
- Richter M. K. (1980), "Continuous and semi-continuous utility," *International Economic Review*, 21, 293-9.
- Riesz F. and B. Sz.-Nagy, *Functional Analysis*, New York, Dover, 1990.
- Rigotti L. and C. Shannon (2004), "Uncertainty and risk in financial markets," *mimeo*, UC-Berkeley.
- Roberts A. and D. Varberg, *Convex Functions*, New York, Academic Press, 1973.
- Roberts J. (1977), "A compact convex set with no extreme points," *Studia Mathematica*, 60, 255-266.
- Robinson S. and R. Day (1974), "A sufficient condition for continuity of optimal sets in mathematical programming," *Journal of Mathematical Analysis and Applications*, 45, 506-511.
- Rockefeller T. *Convex Analysis*, Princeton, Princeton University Press, 2000.

- Rogers C. (1980), "A less strange version of Milnor's proof of Brouwer's fixed point theorem," *American Mathematical Monthly*, 525-527.
- Rolewicz S. *Metric Linear Spaces*, Dordrecht, Reidel Publishing, 1985.
- Ross S. (1978), "A simple approach to the valuation of risky streams," *Journal of Business* 51, 453-475.
- Rota G. (1964), "Theory of Mobius functions," *Z. Wahrsch. und Verw. Geb.*, 2, 340-368.
- Roth A. (1980), "Values for games without side payments: some difficulties with the current concepts," *Econometrica*, 48, 457-65.
- Royden H., *Real Analysis*, New York, MacMillan, 1994.
- Rubinstein A. (1991), "Comments on the interpretation of game theory," *Econometrica*, 59, 909-924.
- Rubinstein A., *Lectures on Modeling Bounded Rationality*, Cambridge, MIT Press, 1998.
- Rucker R., *Infinity and the Mind*, Princeton University Press, Princeton, 1995.
- Rudin W., *Introduction to Mathematical Analysis*, New York, Mc-Graw Hill, 1976.
- Saaty T.L. and J. Bram, *Nonlinear Mathematics*, New York, Dover, 1964.
- Schechter E., *Handbook of Analysis and its Foundations*, Academic Press, San Diego, 1997.
- Schmeidler D. (1971), "A condition for the completeness of partial preference relations," *Econometrica*, 39, 403-404.
- Schmeidler D. (1986), "Integral representation without additivity," *Proceedings of the American Mathematical Society*, 97, 255-261.
- Schmeidler D. (1989), "Subjective probability and expected utility without additivity," *Econometrica*, 57, 571-587.
- Segal I. (1947), "Postulates of general quantum mechanics," *Annals of Mathematics*, 48, 930-948.
- Sen A., *On Economic Inequality*, Expanded Edition, Oxford, Clarendon Press, 1997.
- Shapley L. (1953), "A value for n -person games," in *Contributions to the Theory of Games*, H. Kuhn, A. and A. Tucker, eds., Princeton, Princeton University Press, 1953.
- Simon C. and L. Blume, *Mathematics for Economists*, New York, Norton, 1994.
- Simon L. (1987) "Games with discontinuous games payoffs," *Review of Economic Studies*, 54, 569-597.
- Simon L., and W. Zame (1990) "Discontinuous games and endogenous sharing rules," *Econometrica*, 58, 861-872.
- Smart D., *Fixed Point Theorems*, Cambridge, Cambridge University Press, 1974.
- Starmer C. (2000), "Developments in non-expected utility theory: The hunt for a descriptive theory of choice under risk," *Journal of Economic Literature*, 38, 332-382.
- Stokey N., and Lucas R., *Recursive Methods in Economic Dynamics*, Cambridge, Harvard University Press, 1989.
- Stoll R., *Set Theory and Logic*, New York, Dover Press, 1963.

- Strang G., *Linear Algebra and its Applications*, Philadelphia, Saunders, 1988.
- Sundaram R., *A First Course in Optimization Theory*, Cambridge, Cambridge University Press, 1996.
- Sutherland W., *Introduction to Metric and Topological Spaces*, Oxford, Clarendon Press, 1975.
- Tan K-K., Y. Jian, and X-Z. Yuan (1995), "Existence theorems of Nash equilibria for non-cooperative n -person games," *International Journal of Game Theory*, 24, 217-222.
- Tarafdar E. (1974), "An approach to fixed-point theorems on uniform spaces," *Transactions of the American Mathematical Society*, 191, 209-225.
- Thomson W. (1994), "Cooperative models of bargaining," in *Handbook of Game Theory, Vol. 2*, ed. by R. Aumann and S. Hart, New York: North Holland, pp. 1237-1284.
- Thurston H. (1994), "Math bite: a simple proof that every sequence has a monotone subsequence," *American Mathematical Monthly*, 67, 344.
- Topkis D., *Supermodularity and Complementarity*, Princeton, Princeton University Press, 1998.
- Tsing N-K., "Infinite-dimensional Banach spaces must have uncountable basis - an elementary proof," *American Mathematical Monthly*, 91, 505-506.
- Tukey J. (1942), "Some notes on the separation of convex sets," *Portugaliae Mathematicae*, 3, 95-102.
- Vainberg, M., *Variational Methods for the Study of Nonlinear Operators*, San Francisco, Holden-Day, 1964.
- Vives X. (1990), "Nash equilibrium with strategic complementarities," *Journal of Mathematical Economics*, 19, 305-321.
- Walker M. (1979), "A generalization of the maximum theorem," *International Journal of Economics*, 20, 260-272.
- Weymark J., "A reconsideration of the Harsanyi-Sen debate on utilitarianism," in *Interpersonal Comparisons of Utility*, ed. by J. Elster and J. Roemer, Cambridge: Cambridge University Press, 1991, pp. 255-320.
- Wilansky A. (1951), "The bounded additive operation on Banach space," *Proceedings of the American Mathematical Society*, 2, 46.
- Wilson R. (1971), "Computing equilibria of n -person games," *SIAM Journal of Applied Mathematics*, 21, 80-87.
- Wong C. (1976), "On a fixed point theorem of contraction type," *Proceedings of the American Mathematical Society*, 57, 253-254.
- Young P. (1985), "Monotonic solutions of cooperative games," *International Journal of Game Theory*, 14, 65-72.
- Yu-Qing C. (1996), "On a fixed point problem of Reich," *Proceedings of the American Mathematical Society*, 124, 3085-3088.
- Zajicek L. (1992), "An elementary proof of the one-dimensional Rademacher theorem," *Mathematica Bohemica*, 117, 133-136.
- Zhou L. (1997) "Harsanyi's utilitarianism theorems," *Journal of Economic Theory* 72, 198-207.