

References

1. ABDOU, J. (1988): "Neutral Veto Correspondence with a Continuum of Alternatives," *International Journal of Game Theory*, 17, 135–164.
2. ABDOU, J. (1991): "Maxmin and Minmax for Coalitional Game Forms," *Games and Economic Behavior*, 3, 267–277.
3. ABDOU, J. (1995): "Nash and Strongly Consistent Two-Player Game Forms," *International Journal of Game Theory*, 24, 345–356.
4. ABDOU, J., AND H. KEIDING (1991): *Effectivity Functions in Social Choice*. Kluwer Academic Publishers, Dordrecht.
5. ABDOU, J., AND H. KEIDING (2003): "On Necessary and Sufficient Conditions for Solvability of Game Forms," *Mathematical Social Sciences*, 46, 243–260.
6. ABREU, D., AND A. SEN (1991): "Virtual Implementation in Nash Equilibrium," *Econometrica*, 59, 997–1021.
7. ARROW, K.J. (1951, 1963) *Social Choice and Individual Values*. Wiley, New York.
8. ARROW, K.J. (1967): "Values and Collective Decision-Making," in: P. Laslett and W.G. Runciman (eds.), *Philosophy, Politics and Society*. Basil Blackwell Oxford UK.
9. AUMANN, R.J. (1967): "A Survey of Cooperative Games without Side Payments," in: *Essays in Mathematical Economics*, ed. by M. Shubik, 3–27. Princeton University press, Princeton NJ.
10. BARBERÀ, S. (2001): "An Introduction to Strategy-Proof Social Choice Functions," *Social Choice and Welfare*, 18, 619–653.
11. BARBERÀ, S., B. DUTTA, AND A. SEN (2001): "Strategy-Proof Social Choice Correspondences," *Journal of Economic Theory*, 101, 374–394.
12. BATTEAU, P., J.-M. BLIN, AND B. MONJARDET (1981): "Stability of Aggregation Procedures, Ultrafilters, and Simple Games," *Econometrica*, 49, 527–534.
13. BLACK, D. (1948): "On the Rationale of Group-Decision-Making," *Journal of Political Economy*, 56, 23–34.
14. BLIN, J.-M., AND M.A. SATTERTHWAIT (1976): "Strategy-Proofness and Single-Peakedness," *Public Choice*, 26, 51–58.
15. BORM, P.E.M., AND S.H. TIJS (1992): "Strategic Claim Games Corresponding to an NTU-Game," *Games and Economic Behavior*, 4, 58–71.
16. BRAMS, S.J., AND P.C. FISHBURN (1983): *Approval Voting*. Birkhauser, Boston MA.
17. BUCHANAN, J.M., AND G. TULLOCK (1962): *The Calculus of Consent, Logical Foundations of Constitutional Democracy*. University of Michigan Press, Ann Arbor.
18. DUMMETT, M., AND R. FARQUHARSON (1961): "Stability in Voting," *Econometrica*, 29, 33–44.
19. DUNFORD, N., AND J.T. SCHWARTZ (1988): *Linear Operators, Part I: General Theory*. Wiley Classic Library, New York.

20. DUTTA, B. (1984): "Effectivity Functions and Acceptable Game Forms," *Econometrica*, 52, 1151–1166.
21. DUTTA, B., AND P.K. PATTANAİK (1978): "On Nicely Consistent Voting Systems," *Econometrica*, 78, 163–170.
22. FELDMAN, A.M. (1980): "Strongly Manipulable Multi-Valued Collective Choice Rules," *Public Choice*, 35, 503–509.
23. FELDMAN, A.M., AND R. SERRANO (2005): *Welfare Economics and Social Choice Theory*. 2nd edition, Springer-Verlag, Berlin Heidelberg New York.
24. FISHBURN, P.C. (1972): "Even-Chance Lotteries in Social Choice Theory," *Theory and Decision*, 3, 18–40.
25. FRIEDMAN, M. (1962): *Capitalism and Freedom*. Chicago University Press, Chicago (2002 edition).
26. GAERTNER, W., P.K. PATTANAİK, AND K. SUZUMURA (1992): "Individual Rights Revisited," *Economica*, 59, 161–177.
27. GÄRDENFORS, P. (1981): "Rights, Games, and Social Choice," *Noûs*, 15, 341–356.
28. GIBBARD, A. (1973): "Manipulation of Voting Schemes: A General Result," *Econometrica*, 41, 587–602.
29. GIBBARD, A. (1974): "A Pareto-consistent Libertarian Claim," *Journal of Economic Theory*, 7, 388–410.
30. GURVICH, V.A. (1989): "Equilibrium in Pure Strategies," *Soviet Mathematics Doklady*, 38, 597–602.
31. HALMOS, P.R., AND H.E. VAUGHAN (1950): "The Marriage Problem," *American Journal of Mathematics*, 72, 214–215.
32. HARSANYI, J. (1973): "Games with Randomly Disturbed Payoffs: A New Rationale for Mixed Strategy Equilibrium Points," *International Journal of Game Theory*, 2, 1–23.
33. HART, S., AND E. KOHLBERG (1974): "Equally Distributed Correspondences," *Journal of Mathematical Economics*, 1, 167–174.
34. HAUSDORFF, F. (1962): *Set Theory*. Chelsea Publishing Company, New York.
35. HILDENBRAND, W. (1974): *Core and Equilibria of a Large Economy*. Princeton University Press, Princeton.
36. HOLZMAN, R. (1986a): "The Capacity of a Committee," *Mathematical Social Sciences*, 12, 139–157.
37. HOLZMAN, R. (1986b): "On Strong Representations of Games by Social Choice Functions," *Journal of Mathematical Economics*, 15, 39–57.
38. HURWICZ, L., AND D. SCHMEIDLER (1978): "Construction of Outcome Functions Guaranteeing Existence and Pareto Optimality of Nash Equilibria," *Econometrica*, 46, 1447–1474.
39. ISHIKAWA, S., AND K. NAKAMURA (1980): "Representations of Characteristic Function Games by Social Choice Functions," *International Journal of Game Theory*, 9, 191–199.
40. KANGER, S., AND H. KANGER (1972): "Rights and Parliamentarism," in: Olson, R.E., Paul, A.M. (eds) *Contemporary Philosophy in Scandinavia*. The John Hopkins Press, Baltimore, 213–236.
41. KEIDING, H. (1985): "Necessary and Sufficient Conditions for Stability of Effectivity Functions," *International Journal of Game Theory*, 14, 93–101.
42. KEIDING, H., AND B. PELEG (2006a): "Binary Effectivity Rules," *Review of Economic Design*, 10, 167–181.
43. KEIDING, H., AND B. PELEG (2006b): "On the Continuity of Representations of Effectivity Functions," *Journal of Mathematical Economics*, 42, 827–842.
44. KELLEY, J.L. (1955): *General Topology*. Springer-Verlag, New York Berlin Heidelberg.
45. KELLY, J.S. (1988): "Minimal Manipulability and Local Strategy-Proofness," *Social Choice and Welfare*, 5, 81–85.
46. KIRMAN, A., AND D. SONDERMANN (1972): "Arrow's Theorem, Many Agents, and Invisible Dictators," *Journal of Economic Theory*, 3, 267–277.

47. KLEIN, E., AND A.C. THOMPSON (1984): *Theory of Correspondences*. Wiley, New York.
48. MAS-COLELL, A., AND H.F. SONNENSCHN (1972): "General Possibility Theorems for Group Decisions," *Review of Economic Studies*, 39, 185–192.
49. MASKIN, E. (1999): "Nash Equilibrium and Welfare Optimality," *The Review of Economic Studies*, 66, 23–38.
50. MAUS, S., H. PETERS, AND T. STORCKEN (2007): "Minimal Manipulability: Unanimity and Nondictatorship," *Journal of Mathematical Economics*, 43, 675–691.
51. MOULIN, H. (1980): "On Strategy-Proofness and Single Peakedness," *Public Choice*, 35, 437–455.
52. MOULIN, H., AND B. PELEG (1982): "Cores of Effectivity Functions and Implementation Theory," *Journal of Mathematical Economics*, 10, 115–145.
53. MULLER, E., AND M.A. SATTERTHWAIT (1977): "The Equivalence of Strong Positive Association and Strategy-Proofness," *Journal of Economic Theory*, 14, 412–418.
54. NASH, J.F. (1951): "Non-cooperative games," *Annals of Mathematics*, 54, 286–295.
55. OREN, I (1981): "The Structure of Exactly Strongly Consistent Social Choice Functions," *Journal of Mathematical Economics*, 8, 207–220.
56. PATTANAIK, P.K. (1976): "Counter-Threats and Strategic Manipulation under Voting Schemes," *The Review of Economic Studies*, 43, 11–18.
57. PELEG, B. (1978a): "Consistent Voting Systems," *Econometrica*, 46, 153–161.
58. PELEG, B. (1978b): "Representation of Simple Games by Social Choice Functions," *International Journal of Game Theory*, 7, 81–94.
59. PELEG, B. (1984): *Game Theoretic Analysis of Voting in Committees*. Cambridge (UK), Cambridge University Press.
60. PELEG, B. (1998): "Effectivity Functions, Game Forms, Games, and Rights," *Social Choice and Welfare*, 15, 67–80.
61. PELEG, B. (2004): "Representation of Effectivity Functions by Acceptable Game Forms: A Complete Characterization," *Mathematical Social Sciences*, 43, 275–287.
62. PELEG, B., AND H. PETERS (2006): "Consistent Voting Systems with a Continuum of Voters," *Social Choice and Welfare*, 27, 477–492.
63. PELEG, B., AND H. PETERS (2009): "Nash Consistent Representation of Effectivity Functions Through Lottery Models," *Games and Economic Behavior*, 65, 503–515.
64. PELEG, B., H. PETERS, AND T. STORCKEN (2002): "Nash Consistent Representation of Constitutions: A Reaction to the Gibbard Paradox," *Mathematical Social Sciences*, 43, 267–287.
65. PELEG, B., AND A.D. PROCACCIA (2007): "Mediators Enable Truthful Voting," DP 451 Center for the Study of Rationality, The Hebrew University of Jerusalem.
66. PETERS, H. (2008): *Game Theory: A Multi-Leveled Approach*. Springer-Verlag, Berlin Heidelberg.
67. POLISHCHUK, I. (1978): "Monotonicity and Uniqueness of Consistent Voting Systems," Center for Research in Mathematical Economics and Game Theory, Hebrew University of Jerusalem.
68. ROY, S., H. PETERS, AND T. STORCKEN (2009): "On the Manipulability of Approval Voting," working paper, Department of Quantitative Economics, Maastricht University.
69. SATTERTHWAIT, M. (1975): "Strategy-proofness and Arrow's Conditions: Existence and Correspondence Theorems for Voting Procedures and Social Welfare Functions," *Journal of Economic Theory*, 10, 187–217.
70. SCHELLING, T.C. (1960): *The Strategy of Conflict*. Harvard University Press, Cambridge MA.
71. SEN, A.K. (1970): "The Impossibility of a Paretian Liberal," *Journal of Political Economy*, 78, 152–157.
72. SEN, A.K. (1997): "Individual Preference as the Basis of Social Choice," in: K.J. Arrow, A.K. Sen, and K. Suzumura (eds.), *Social Choice Re-Examined*. Macmillan, London.
73. VON NEUMANN, J., AND O. MORGENTERN (1944): *Theory of Games and Economic Behavior*. Princeton University Press, Princeton NJ.

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