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On competition and banking

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Bibliography

- AFTALION, F., and L. J. WHITE (1977): "A Study of a Monetary System with a Pegged Discount Rate under Different Market Structures," *Journal of Banking and Finance*, 1(4), 349–371.
- ALLEN, F., and D. GALE (2000): *Comparing Financial Systems*. MIT Press, Cambridge, Mass.
- ALLEN, F., H. GERSBACH, J.-P. KRAHNEN, and A. M. SANTOMERO (2001): "Competition Among Banks: Introduction and Conference Overview," *European Finance Review*, 5(1-2), 1–11.
- ALLEN, F., and A. M. SANTOMERO (2001): "What Do Financial Intermediaries Do?," *Journal of Banking and Finance*, 25(2), 271–294.
- BAGLIANO, F. C., A. DALMAZZO, and G. MARINI (2000): "Bank Competition and ECB's Monetary Policy," *Journal of Banking and Finance*, 24(6), 967–983.
- BALTENSPERGER, E. (1980): "Alternative Approaches to the Theory of the Banking Firm," *Journal of Monetary Economics*, 6(1), 1–37.
- BARROS, P. P. (1999): "Multimarket Competition in Banking, with and Example from the Portuguese Market," *International Journal of Industrial Organization*, 17(3), 335–352.
- BARTH, J., D. NOLLE, and T. RICE (1997): "Commercial Banking Structure, Regulation, and Performance: An International Comparison," E&PA Working Paper 97-6, Office of the Comptroller of the Currency, Washington, D.C.
- BENSTON, G., and C. W. SMITH (1976): "A Transaction Cost Approach to the Theory of Financial Intermediation," *Journal of Finance*, 31(2), 215–231.

- BERGER, A. N., R. S. DEMSETZ, and P. E. STRAHAN (1999): "The Consolidation of the Financial Services Industry: Causes, Consequences, and Implications for the Future," *Journal of Banking and Finance*, 23(2-4), 135–194.
- BERGER, A. N., and T. H. HANNAN (1989): "The Price-Concentration Relationship in Banking," *Review of Economics and Statistics*, 71(2), 291–299.
- (1992): "The Price-Concentration Relationship in Banking: A Reply," *Review of Economics and Statistics*, 74(2), 376–379.
- BESANKO, D., and A. V. THAKOR (1987): "Collateral and Rationing: Sorting Equilibria in Monopolistic and Competitive Credit Markets," *International Economic Review*, 28(3), 671–689.
- (1993): "Relationship Banking, Deposit Insurance and Bank Portfolio Choice," in *Capital Markets and Financial Intermediation*, ed. by C. P. Mayer, and X. Vives, chap. 10, pp. 292–319. Cambridge University Press, Cambridge, Mass.
- BESTER, H. (1985): "Screening vs. rationing in Credit Markets with Imperfect Information," *American Economic Review*, 75(4), 850–855.
- BHATTACHARYA, S., and G. CHIESA (1995): "Proprietary Information, Financial Intermediation, and Research Incentives," *Journal of Financial Intermediation*, 4(4), 328–357.
- BHATTACHARYA, S., and A. V. THAKOR (1993): "Contemporary Banking Theory," *Journal of Financial Intermediation*, 3(1), 2–50.
- BIKKER, J. A., and J. M. GROENEVELD (2000): "Competition and Concentration in the EU Banking Industry," *Kredit und Kapital*, 33(1), 62–98.
- BIKKER, J. A., and K. HAAF (2001): "Competition, Concentration and their Relationship: An Empirical Analysis of the Banking Industry," DNB Staff Reports 68, The Netherlands Bank, Amsterdam.
- BIS (1994): *National Differences in Interest Rate Transmission*. CB 394, Basle.

- BLINDER, A. S. (1994): "On Sticky Prices: Theories Meet the Real World," in *Monetary Policy*, ed. by N. G. Mankiw, pp. 117–150. University of Chicago Press, Chicago.
- BOOT, A. W. A. (2000): "Relationship Banking: What Do We Know?," *Journal of Financial Intermediation*, 9(1), 7–25.
- BOOT, A. W. A., and A. V. THAKOR (2000): "Can Relationship Banking Survive Competition?," *Journal of Finance*, 55(2), 679–713.
- BORENSTEIN, S., A. C. CAMERON, and R. GILBERT (1997): "Do Gasoline Prices Respond Asymmetrically to Crude Oil Price Changes?," *Quarterly Journal of Economics*, 112(1), 305–339.
- BORIO, C. E. V., and W. FRITZ (1995): "The Response of Short-Term Bank Lending Rates to Policy Rates: A Cross-Country Perspective," in *Financial Structure and the Monetary Policy Transmission Mechanism*. BIS, Basle.
- BOUCKAERT, J., and H. DEGRYSE (1995): "Phonebanking," *European Economic Review*, 39(2), 229–244.
- BRANDER, J. A., and T. R. LEWIS (1986): "Oligopoly and Financial Structure: The Limited Liability Effect," *American Economic Review*, 76(5), 956–970.
- BRESNAHAN, T. F. (1982): "The Oligopoly Solution Concept is Identified," *Economics Letters*, 10(1-2), 87–92.
- (1989): "Empirical Studies of Industries with Market Power," in *Handbook of Industrial Organization*, ed. by R. Schmalensee, and R. D. Willig, chap. 17, pp. 1011–1057. North-Holland, Amsterdam.
- BROECKER, T. (1990): "Credit-Worthiness Tests and Interbank Competition," *Econometrica*, 58(2), 429–452.
- BROWN, S. A., and M. K. YÜCEL (2000): "Gasoline and Crude Oil Prices: Why the Asymmetry?," *Federal Reserve Bank of Dallas Economic and Financial Review*, 0(0), 23–29.
- BULOW, J. I., J. D. GEANAKOPOLOS, and P. D. KLEMPERER (1985): "Multimarket Oligopoly: Strategic Substitutes and Complements," *Journal of Political Economy*, 93(3), 488–511.

- CALEM, P. S., and G. A. CARLINO (1991): "The Concentration/Conduct Relationship in Bank Deposit Markets," *Review of Economics and Statistics*, 73(2), 268–276.
- CAPUTO, M. R. (1996): "The Envelope Theorem and Comparative Statics of Nash Equilibria," *Games and Economic Behavior*, 13(2), 201–224.
- (1998): "A Dual Vista of the Stackelberg Duopoly Reveals its Fundamental Qualitative Structure," *International Journal of Industrial Organization*, 16(3), 333–352.
- CETORELLI, N., and M. GAMBERA (2001): "Banking Market Structure, Financial Dependence and Growth: International Evidence from Industry Data," *Journal of Finance*, 56(2), 617–648.
- CHAN, Y.-S., and A. V. THAKOR (1987): "Collateral and Competitive Equilibria with Moral Hazard and Private Information," *Journal of Finance*, 42(2), 345–363.
- CHIAPPORI, P.-A., D. PEREZ-CASTRILLO, and T. VERDIER (1995): "Spatial Competition in the Banking System: Localization, Cross Subsidies and the Regulation of Deposit Rates," *European Economic Review*, 39(5), 889–918.
- CLEMENZ, G. (1991): "Loans for Projects with Interdependent Returns," *Journal of Institutional and Theoretical Economics*, 147(2), 337–353.
- COOPER, T. (1986): "Most-Favored-Customer Pricing and Tacit Collusion," *RAND Journal of Economics*, 17(3), 377–388.
- CORTS, K. S. (1999): "Conduct Parameters and the Measurement of Market Power," *Journal of Econometrics*, 88(2), 227–250.
- COSIMANO, T. F., and B. McDONALD (1998): "What's Different Among Banks?," *Journal of Monetary Economics*, 41(1), 57–70.
- COTTARELLI, C., and A. KOURELIS (1994): "Financial Structure, Bank Lending Rates, and the Transmission Mechanism of Monetary Policy," *IMF Staff Papers*, 41(4), 587–623.

- COWLING, K., and M. WATERSON (1976): "Price-Cost Margins and Market Structure," *Economica*, 43(171), 267–274.
- CROCKER, K. J., and T. P. LYON (1994): "What Do Facilitating Practices Facilitate? An Empirical Investigation of Most-Favored-Nation Clauses in Natural Gas Contracts," *Journal of Law and Economics*, 37(2), 297–322.
- DAMANIA, R., and B. Z. YANG (1998): "Price Rigidity and Asymmetric Price Adjustment in a Repeated Oligopoly," *Journal of Institutional and Theoretical Economics*, 154(4), 659–679.
- D'ASPREMONT, C., and A. JACQUEMIN (1988): "Cooperative and Non-Cooperative R&D in Duopoly with Spillovers," *American Economic Review*, 78(5), 1133–1137.
- DE BANDT, O., and E. P. DAVIS (2000): "Competition, Contestability and Market Structure in European Banking Sectors on the Eve of EMU," *Journal of Banking and Finance*, 24(6), 1045–1066.
- DEGRYSE, H. (1996): "On the Interaction Between Vertical and Horizontal Product Differentiation: An Application to Banking," *Journal of Industrial Economics*, 44(2), 169–186.
- DEGRYSE, H., and J. BOUCKAERT (2000): "Implications of EMU for Banking: An Industrial Organization Perspective," in *EMU: dé Uitdaging*, ed. by H. Ooghe, F. Heylen, and R. Vander Vennet, pp. 507–534, Gent. 24e Vlaams Wetenschappelijk Economisch Congres, CED-Samson.
- DELL'ARICCIA, G. (2001): "Asymmetric Information and the Structure of the Banking Industry," *European Economic Review*, 45(10), 1957–1980.
- DELL'ARICCIA, G., E. FRIEDMAN, and R. MARQUEZ (1999): "Adverse Selection as a Barrier to Entry in the Banking Industry," *RAND Journal of Economics*, 30(3), 515–534.
- DERMINE, J. (1986): "Deposit Rates, Credit Rates and Bank Capital: The Klein-Monti Model Revisited," *Journal of Banking and Finance*, 10(1), 99–114.

- DICKSON, V. A. (1981): "Conjectural Variation Elasticities and Concentration," *Economics Letters*, 7(3), 281–285.
- DIXIT, A. (1986): "Comparative Statics for Oligopoly," *International Economic Review*, 27(1), 107–122.
- ECB (1999): "Possible Effects of EMU on the EU Banking Systems in the Medium to Long Term," Frankfurt am Main.
- ECONOMIDES, N., and S. C. SALOP (1992): "Competition and Integration Among Complements, and Network Market Structure," *Journal of Industrial Economics*, 40(1), 105–123.
- ELYASIANI, E., K. J. KOPECKY, and D. VANHOOSE (1995): "Costs of Adjustment, Portfolio Separation, and the Dynamic Behavior of Bank Loans and Deposits," *Journal of Money, Credit, and Banking*, 27(4), 955–974.
- FASE, M. M. G. (1995): "The Demand for Commercial Bank Loans and the Lending Rate," *European Economic Review*, 39(1), 99–115.
- FINGLETON, J. (1997): "Competition Among Middlemen When Buyers and Sellers Can Trade Directly," *Journal of Industrial Economics*, 45(4), 405–427.
- FREIXAS, X., and J.-C. ROCHET (1997): *Microeconomics of Banking*. MIT Press, Cambridge, Mass.
- FROST, D., and R. BOWDEN (1999): "An Asymmetry Generator for Error-Correction Mechanisms, with Application to Bank Mortgage Rate Dynamics," *Journal of Business and Economic Statistics*, 17(2), 253–263.
- FUENTEELSAZ, L., and J. GOMEZ (2001): "Strategic and Queue Effects on Entry in Spanish Banking," *Journal of Economics and Management Strategy*, 10(4), 529–563.
- GILBERT, R. A. (1984): "Bank Market Structure and Competition: A Survey," *Journal of Money, Credit, and Banking*, 16(4), 617–660.
- GODBY, R., A. M. LINTNER, T. STENGOS, and B. WANDSCHNEIDER (2000): "Testing for Asymmetric Pricing in the Canadian Retail Gasoline Market," *Energy Economics*, 22(3), 349–368.

- GOLDBERG, L. G., and A. RAI (1996): "The Structure-Performance Relationship for European Banking," *Journal of Banking and Finance*, 20(4), 745–771.
- GUJARATI, D. N. (1999): *Essentials of Econometrics*. McGraw-Hill, Singapore, second edn.
- GURLEY, J., and E. SHAW (1960): *Money in the Theory of Finance*. Brookings Institution, Washington.
- HAAN, M., Y. RIYANTO, and L. A. TOOLSEMA (2001): "The Commitment Effect of Choosing the Same Bank," SOM Research Report 01F39, University of Groningen, Groningen.
- HANNAN, T. H. (1991a): "Bank Commercial Loan Markets and the Role of Market Structure: Evidence from Surveys of Commercial Lending," *Journal of Banking and Finance*, 15(1), 133–149.
- (1991b): "Foundations of the Structure-Conduct-Performance Paradigm in Banking," *Journal of Money, Credit, and Banking*, 23(1), 68–84.
- HANNAN, T. H., and A. N. BERGER (1991): "The Rigidity of Prices: Evidence from the Banking Industry," *American Economic Review*, 81(4), 938–945.
- HANNAN, T. H., and J. N. LIANG (1993): "Inferring Market Power from Time-Series Data," *International Journal of Industrial Organization*, 11(2), 205–218.
- HENDRY, D. F. (1995): *Dynamic Econometrics*. Oxford University Press, Oxford.
- HOFMANN, B. (2002): "The Pass-Through of Money Market Rates to Business Loan Rates in the Euro Area Countries," mimeo, Center for European Integration Studies (ZEI), University of Bonn, Bonn.
- IWATA, G. (1974): "Measurement of Conjectural Variations in Oligopoly," *Econometrica*, 42(5), 947–966.
- JACOBS, J., and L. A. TOOLSEMA (2001): "Rekenen Banken Zich Rijk?," *Economisch Statistische Berichten*, 86(4300), 250–252.

- KATZ, M. L., and H. S. ROSEN (1985): "Tax Analysis in an Oligopoly Model," *Public Finance Quarterly*, 13(1), 3–20.
- KENNEDY, P. (1998): *A Guide to Econometrics*. Blackwell Publishers, Oxford, fourth edn.
- KILDEGAARD, A., and P. WILLIAMS (2002): "Banks, Systematic Risk, and Industrial Concentration: Theory and Evidence," *Journal of Economic Behavior and Organization*, 47(4), 345–358.
- KIM, M., D. KLIGER, and B. VALE (1999): "Estimating Switching Costs and Oligopolistic Behavior," Arbeidsnotat 1999/4, Norges Bank, Oslo.
- KIMMEL, S. (1992): "Effects of Cost Changes on Oligopolistic Profits," *Journal of Industrial Economics*, 40(4), 441–449.
- KLEIN, M. A. (1971): "A Theory of the Banking Firm," *Journal of Money, Credit, and Banking*, 3(2), 205–218.
- KLEMPERER, P. (1987): "Markets with Consumer Switching Costs," *Quarterly Journal of Economics*, 102(2), 375–394.
- KOSKELA, E., and R. STENBACKA (2000): "Is There a Tradeoff Between Bank Competition and Financial Fragility?," *Journal of Banking and Finance*, 24(12), 1853–1873.
- LANGOHR, H. (1982): "Alternative Approaches to the Theory of the Banking Firm," *Journal of Banking and Finance*, 6(2), 297–304.
- LAU, L. J. (1982): "On Identifying the Degree of Competitiveness from Industry Price and Output Data," *Economics Letters*, 10(1-2), 93–99.
- LERNER, A. P. (1934): "The Concept of Monopoly and the Measurement of Monopoly Power," *Review of Economic Studies*, 1(3), 157–175.
- LEVY, D., M. BERGEN, S. DUTTA, and R. VENABLE (1997): "The Magnitude of Menu Costs: Direct Evidence from Large U.S. Supermarket Chains," *Quarterly Journal of Economics*, 112(3), 791–825.
- LEVY, D., S. DUTTA, M. BERGEN, and R. VENABLE (1998): "Price Adjustment at Multiproduct Retailers," *Managerial and Decision Economics*, 19(2), 81–120.

- LLOYD-WILLIAMS, D. M., and P. MOLYNEUX (1994): "Market Structure and Performance in Spanish Banking," *Journal of Banking and Finance*, 18(3), 433–443.
- LUCAS, R. E. JR. (1973): "Some International Evidence on Output-Inflation Tradeoffs," *American Economic Review*, 63(3), 326–334.
- MANOVE, M., A. J. PADILLA, and M. PAGANO (2001): "Collateral versus Project Screening: A Model of Lazy Banks," *RAND Journal of Economics*, 32(4), 726–744.
- MARTIN, S. (1993): *Advanced Industrial Economics*. Blackwell Publishers Inc, Oxford.
- MATUTES, C., and J. PADILLA (1994): "Shared ATM Networks and Banking Competition," *European Economic Review*, 38(5), 1113–1138.
- MATUTES, C., and X. VIVES (2000): "Imperfect Competition, Risk Taking, and Regulation in Banking," *European Economic Review*, 44(1), 1–34.
- MILLER, S. M. (1975): "A Theory of the Banking Firm: Comment," *Journal of Monetary Economics*, 1(1), 123–128.
- MOJON, B. (2000): "Financial Structure and the Interest Rate Channel of Monetary Policy," Working Paper 40, European Central Bank, Frankfurt am Main.
- MOLYNEUX, P., D. M. LLOYD-WILLIAMS, and J. THORNTON (1994): "Competitive Conditions in European Banking," *Journal of Banking and Finance*, 18(3), 445–459.
- MONTI, M. (1972): "Deposit, Credit, and Interest Rate Determination under Alternative Bank Objectives," in *Mathematical Methods in Investment and Finance*, ed. by K. Shell, and G. P. Szegö, pp. 431–454. North-Holland, Amsterdam.
- MUTHOO, A. (1999): *Bargaining Theory with Applications*. Cambridge University Press, Cambridge, Mass.
- NATHAN, A., and E. H. NEAVE (1989): "Competition and Contestability in Canada's Financial System: Empirical Results," *Canadian Journal of Economics*, 22(3), 576–594.

- NEUMARK, D., and S. A. SHARPE (1992): "Market Structure and the Nature of Price Rigidity: Evidence from the Market for Consumer Deposits," *Quarterly Journal of Economics*, 107(2), 657–680.
- NEVEN, D., and L.-H. RÖLLER (1999): "An Aggregate Structural Model of Competition in the European Banking Industry," *International Journal of Industrial Organization*, 17(7), 1059–1074.
- ONGENA, S., and D. C. SMITH (2000): "What Determines the Number of Bank Relationships? Cross-Country Evidence," *Journal of Financial Intermediation*, 9(1), 26–56.
- PADILLA, A. J., and M. PAGANO (2000): "Sharing Default Information as a Borrower Discipline Device," *European Economic Review*, 44(10), 1951–1980.
- PANZAR, J. C., and J. N. ROSSE (1987): "Testing for 'Monopoly' Equilibrium," *Journal of Industrial Economics*, 35(4), 443–456.
- PELTZMAN, S. (2000): "Prices Rise Faster Than They Fall," *Journal of Political Economy*, 108(3), 466–502.
- PETERSEN, M. A., and R. G. RAJAN (1995): "The Effect of Credit Market Competition on Lending Relationships," *Quarterly Journal of Economics*, 110(2), 407–443.
- POITEVIN, M. (1989): "Collusion and the Banking Structure of a Duopoly," *Canadian Journal of Economics*, 22(2), 263–277.
- PRINGLE, J. J. (1973): "A Theory of the Banking Firm: A Comment," *Journal of Money, Credit, and Banking*, 5(4), 990–996.
- PRISMAN, E. Z., M. B. SLOVIN, and M. E. SUSHKA (1986): "A General Model of the Banking Firm under Conditions of Monopoly, Uncertainty, and Recourse," *Journal of Monetary Economics*, 17(2), 293–304.
- PUNT, L. W., and M. C. J. VAN ROOIJ (2001): "The Profit-Structure Relationship and Mergers in the European Banking Industry: An Empirical Assessment," DNB Staff Reports 58, The Netherlands Bank, Amsterdam.

- REAGAN, P. B., and M. L. WEITZMAN (1982): "Asymmetries in Price and Quantity Adjustments by the Competitive Firm," *Journal of Economic Theory*, 27(2), 410–420.
- RIORDAN, M. H. (1993): "Competition and Bank Performance: A Theoretical Perspective," in *Capital Markets and Financial Intermediation*, ed. by C. P. Mayer, and X. Vives, chap. 11, pp. 328–343. Cambridge University Press, Cambridge, Mass.
- ROTEMBERG, J., and G. SALONER (1986): "A Supergame-Theoretic Model of Price Wars During Booms," *American Economic Review*, 76(3), 390–407.
- SALONER, G., and A. SHEPARD (1995): "Adoption of Technologies with Network Effects: An Empirical Examination of the Adoption of Automatic Teller Machines," *RAND Journal of Economics*, 26(3), 479–501.
- SALOP, S. (1979): "Monopolistic Competition with Outside Goods," *Bell Journal of Economics*, 10(1), 141–156.
- SANDER, H., and S. KLEIMEIER (2001): "Asymmetric Adjustment of Commercial Bank Interest Rates in the Euro Area: Implications for Monetary Policy," mimeo, University of Applied Sciences Cologne, Cologne.
- SANTOMERO, A. M. (1984): "Modeling the Banking Firm: A Survey," *Journal of Money, Credit, and Banking*, 16(4), 576–602.
- SCHARGRODSKY, E., and F. STURZENEGGER (2000): "Banking Regulation and Competition with Product Differentiation," *Journal of Development Economics*, 63(1), 85–111.
- SCOTT MORTON, F. (1997): "The Strategic Response by Pharmaceutical Firms to the Medicaid Most-Favored-Customer Rules," *RAND Journal of Economics*, 28(2), 269–290.
- SCOTT MORTON, F. M. (1997): "The Interaction Between a Most-Favored-Customer Clause and Price Dispersion: An Empirical Examination of the Medicaid Rebate Rules of 1990," *Journal of Economics and Management Strategy*, 6(1), 151–174.

- SEALEY, C. W. JR. (1985): "Portfolio Separation for Stockholder Owned Depository Financial Intermediaries," *Journal of Banking and Finance*, 9(4), 477–490.
- SHAFFER, S. (1989): "Competition in the U.S. Banking Industry," *Economics Letters*, 29(4), 321–323.
- (1993): "A Test of Competition in Canadian Banking," *Journal of Money, Credit, and Banking*, 25(1), 49–61.
- (1998): "The Winner's Curse in Banking," *Journal of Financial Intermediation*, 7(4), 359–392.
- (1999): "The Competitive Impact of Disclosure Requirements in the Credit Card Industry," *Journal of Regulatory Economics*, 15(2), 183–198.
- SHAFFER, S., and J. DISALVO (1994): "Conduct in a Banking Duopoly," *Journal of Banking and Finance*, 18(6), 1063–1082.
- SHAPIRO, C. (1989): "Theories of Oligopoly Behavior," in *Handbook of Industrial Organization*, ed. by R. Schmalensee, and R. Willig, vol. 1, chap. 6, pp. 329–414. North-Holland, Amsterdam.
- SHARPE, S. A. (1997): "The Effect of Consumer Switching Costs on Prices: A Theory and its Application to the Bank Deposit Market," *Review of Industrial Organization*, 12(1), 79–94.
- SHIRVANI, H., and B. WILBRATTE (1999): "The Asymmetric Response of Domestic Prices to Changes in Import Prices: A Cointegration Test of the Ratchet Effect," *Journal of Macroeconomics*, 21(23), 381–396.
- SHY, O. (2001): *The Economics of Network Industries*. Cambridge University Press, Cambridge, Mass.
- (2002): "A Quick-and-Easy Method for Estimating Switching Costs," *International Journal of Industrial Organization*, 20(1), 71–87.
- SMITH, R. T. (1998): "Banking Competition and Macroeconomic Performance," *Journal of Money, Credit, and Banking*, 30(4), 793–815.
- SPAGNOLO, G. (2000): "Debt as a (Credible) Collusive Device," Working Paper 243, Stockholm School of Economics, Stockholm.

- STAHL, D. O. (1988): "Bertrand Competition for Inputs and Walrasian Outcomes," *American Economic Review*, 78(1), 189–201.
- STEEN, F., and K. G. SALVANES (1999): "Testing for Market Power Using a Dynamic Oligopoly Model," *International Journal of Industrial Organization*, 17(2), 147–177.
- STIGLITZ, J. E., and A. WEISS (1981): "Credit Rationing in Markets with Imperfect Information," *American Economic Review*, 71(3), 917–926.
- STOCK, J. H., and M. W. WATSON (1993): "A Simple Estimator of Cointegrating Vectors in Higher Order Integrated Systems," *Econometrica*, 61(4), 783–820.
- SUOMINEN, M. (1994): "Measuring Competition in Banking: A Two-Product Model," *Scandinavian Journal of Economics*, 96(1), 95–110.
- SWANK, J. (1994): "Bank Behaviour and Monetary Policy in The Netherlands," Ph.D. thesis, Free University of Amsterdam.
- SWANK, J. (1995): "Oligopoly in Loan and Deposit Markets: An Econometric Application to the Netherlands," *De Economist*, 143(3), 353–366.
- TAYLOR, J. B. (1993): "Discretion versus Policy Rules in Practice," *Carnegie-Rochester Conference Series on Public Policy*, 39(0), 195–214.
- TIROLE, J. (1988): *The Theory of Industrial Organization*. MIT Press, Cambridge, Mass.
- TOOLSEMA, L. A. (2001a): "Bank Competition with Product Differentiation under Different Monetary Policy Rules," SOM Research Report 01E44, University of Groningen, Groningen.
- (2001b): "Reserve Requirements and Double Bertrand Competition Among Banks," *Applied Economics Letters*, 8(5), 291–293.
- (2002a): "Asymmetric Price Adjustments with the Most-Favored-Customer Clause," SOM Research Report 02E23, University of Groningen, Groningen.

- (2002b): “Competition in the Dutch Consumer Credit Market,” *Journal of Banking and Finance*, 26(11), 151–165.
- TOOLSEMA, L. A., and L. SCHOONBEEK (1999): “Bank Behavior and the Interbank Rate in an Oligopolistic Market,” SOM Research Report 99E49, University of Groningen, The Netherlands.
- (2000): “On the Effects of an Industry-Wide Cost Change in a Stackelberg Duopoly,” *Jahrbücher für Nationalökonomie und Statistik*, 220(5), 592–598.
- TOOLSEMA, L. A., J.-E. STURM, and J. DE HAAN (2001): “Convergence of Monetary Transmission in EMU: New Evidence,” Working Paper 465, CESifo, Munich.
- VAN BERGEIJK, P. A. G., C. VAN GENT, R. C. G. HAFFNER, and A. J. M. KLEIJWEG (1995): “Mobiliteit En Concurrentie Op de Kapitaalmarkt,” *Economisch Statistische Berichten*, pp. 780–784.
- VAN EWIJK, C., and L. J. R. SCHOLTENS (1999): *Geld, Financiële Markten en Financiële Instellingen*. Wolters Noordhoff, Groningen.
- VAN LOO, P. D. (1980): “On the Microeconomic Foundations of Bank Behaviour in Macroeconomic Models,” *De Economist*, 128(4), 474–496.
- VANHOOSE, D. D. (1983): “Monetary Policy under Alternative Bank Market Structures,” *Journal of Banking and Finance*, 7(3), 383–404.
- (1985): “Bank Market Structure and Monetary Control,” *Journal of Money, Credit, and Banking*, 17(3), 298–311.
- (1988): “Deregulation and Oligopolistic Rivalry in Bank Deposit Markets,” *Journal of Banking and Finance*, 12(3), 379–388.
- VON THADDEN, E.-L. (1995): “Long-Term Contracts, Short-Term Investment and Monitoring,” *Review of Economic Studies*, 62(4), 557–575.
- WEINSTEIN, D. E., and Y. YAFEH (1998): “On the Costs of a Bank-Centered Financial System: Evidence from the Changing Main Bank Relations in Japan,” *Journal of Finance*, 53(2), 635–672.

- WONG, K. P., and D. K. CHAN (1993): "A Simple Model of Spatial Banking Competition," *Economics Letters*, 42(4), 391–397.
- YANELLE, M.-O. (1987): "Bertrand-Competition Among Intermediaries," Discussion Paper A-31, University of Bonn Sonderforschungsbereich 303, Bonn.
- (1989): "The Strategic Analysis of Intermediation," *European Economic Review*, 33(2-3), 294–301.
- ZARDKOOHI, A., and D. R. FRASER (1998): "Geographical Deregulation and Competition in U.S. Banking Markets," *Financial Review*, 33(2), 85–98.

