# Family Economics

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#### April 2010

## General References

- 1. Becker, G. (1993), *Treatise on the Family* (enlarged edition) Boston: Harvard University Press.
- 2. Bergstrom, T. (1997), "A Survey of Theories of the Family," in Rosenzweig, M. and O. Stark (eds.) *Handbook of Population Economics*,. Elsevier.
- 3. Weiss, Y. (1997), "The Formation and Dissolution of Families: Why Marry, Who Marries Whom, and What Happens Upon Marriage and Divorce?" in Rosenzweig, M. and O. Stark (eds.) Handbook of Population Economics. Elsevier.
- 4. Weiss, Y. (2000), "Economic Theory of Marriage and Divorce" in International Encyclopedia of Social and Behavioral Sciences, edited by N. Smelser and B. Baltes, Elsevier.
- 5. Brwoning, M. Chiappori, PA and Y. Weiss Family Economics (draft chapters)

## BCW chapter 1: Facts

- [1] Bailey, Martha, 'More Power to the Pill: The Impact of Contraceptive Freedom on Women's Life Cycle Labor Supply', Quarterly Journal of Economics, 121 (2006), 289-320.
- [2] Becker, Gary, Landes, Elisabeth M. and Robert T. Michael, 'Economic-Analysis of Marital Instability', Journal of Political Economy, 85 (1977), 1141-1187.
- [3] Bjorklund, Anders and Marianne Sundstrom, 'Parental Separation and Children's Educational Attainment: A Siblings Analysis on Swedish Register Data', **Economica**, 73 (2006), 605-624.

- [4] Browning, Martin and Mette Gørtz, 'Spending Time and Money within the Household', University of Oxford, Working Paper No. 288, (2006).
- [5] Burda, Michael C., Hamermesh, Daniel S. and Philippe Weil, 'The Distribution of Total Work in the EU and US', IZA Discussion Paper No. 2270, (2006).
- [6] Goldin, Claudia, 'The Quiet Revolution that Transformed Women's Employment, Education, and Family', American Economic Review, 90 (2006), 1-21.
- [7] Goldin, Claudia and Lawrence F. Katz, 'The Power of the Pill: Oral Contraceptives and Women's Career and Marriage Decisions', Journal of Political Economy, 110 (2002), 730-770.
- [8] Goldin, Claudia, Katz, Lawrence F., and Ilyana Kuziemko, 'The Home-coming of American College Women: The Reversal of the College Gender Gap', Journal of Economic Perspectives, 20 (2006), 133-156.
- [9] Greenwood, J. and N. Guner, 'Marriage and divorce since World War II: Analyzing the Role of Technological Progress on the Formation of Household', University of Rochester, research report 8, (2005).
- [10] Gruber, Jonathan, 'Is Making Divorce Easier Bad for Children? The Long-Run Implications of Unilateral Divorce', Journal of Labor Economics, 22 (2004), 799-833.
- [11] Lewis, Susan K. and Valerie K. Oppenheimer, 'Educational Assortative Mating across Marriage Markets: Non-Hispanic Whites in the United States', **Demography**, 37 (2000), 29-40.
- [12] Mulligan, Casey B. and Yona Rubinstein, 'Selection, Investment, and Women Relative Wages since 1975', Quarterly Journal of Economics, 123 (2008), 1061-1110.

## BCW chapter 2: Gains From Marriage

- [1] Acemoglu, Daron and Jorn-Steffen Pischke, 'Changes in the Wage Structure, Family Income, and Children's Education', **European Economic Review**, 45 (2001), 890-904.
- [2] Argys, Laura M., H. Elizabeth Peters, Jeanne Brooks-Gunn and Judith R. Smith Argys, 'The Impact of Child Support on Cognitive Outcomes of Young Children', **Demography**, 35 (1998), 159-173.
- [3] Becker, Gary, **Treatise on the family** (Cambridge Mass: Harvard University Press, 1991).

- [4] Ben-Porath, Yoram, 'The F-Connection: Families, Friends, and Firms and the Organization of Exchange', **Population and Development Review**, 6 (1980), 1-30.
- [5] Bergstrom, Theodore, Lawrence Blume and Hal Varian, 'On the Private Provision of Public-Goods', Journal of Public Economics, 29 (1986), 25-49.
- [6] Bjorklund, Anders and Marianne Sundstrom, 'Parental Separation and Children's Educational Attainment: A Siblings Analysis on Swedish Register Data', Economica, 73 (2006), 605-624.
- [7] Borenstein, Severin and Paul N. Courant, 'How to Carve a Medical Degree: Human Capital Assets in Divorce Settlements', **The American Economic Review**, 79 (1989), 992-1009.
- [8] Browning, Martin, Pierre-André Chiappori and Arthur Lewbel, 'Estimating Consumption Economies of Scale, Adult Equivalence Scales, and Household Bargaining Power', CAM Working Paper No. 2003-12, (2006).
- [9] Bureau of Labor Statistics, (2004), http://www.bls.gov/cex/2003.
- [10] Carneiro, Pedro and James J. Heckman, 'The evidence on credit constraints in post-secondary schooling', **Economic Journal**, 112 (2002), 705-734.
- [11] Chichilnisky, Graciela, 'The Gender Gap', Review of Development Economics, 12 (2008), 828-844.
- [12] Crossley, Thomas and Yuqian Lu, 'Exploring the returns to scale in food preparation (baking penny buns at home)', IFS Working Paper No. W05/03, (2005).
- [13] Deaton, Angus and John Muellbauer, Economics and Consumer Behavior (Cambridge: Cambridge University Press, 1980).
- [14] Dufwenberg, Martin, 'Marital investments, time consistency and emotions', Journal of Economic Behavior & Organization, 48 (2002), 57-69.
- [15] Gronau, Reuben, 'The Theory of Home Production: The Past Ten Years', **Journal of Labor Economics**, 15 (1997), 197-205.
- [16] Hetherington, E. Mavis and Margaret M. Stanley-Hagan, 'Stepfamilies', in Lamb, Michael E. (eds.), Parenting and Child Development in "Nontraditional" Families, (Mahwah, New Jersey: Lawrence Erlbaum Associates, 1999).
- [17] Hess, Gregory D., 'Marriage and Consumption Insurance: What's Love Got to Do with It?', **Journal of Political Economy**, 112 (2004), 290-318.
- [18] Korenman, Sanders and David Neumark, 'Marriage, Motherhood, and Wages', **The Journal of Human Resources**, 27 (1992), 233-255.

- [19] Kotlikoff, Laurence J. and Avia Spivak, 'The Family as an Incomplete Annuities Market', **The Journal of Political Economy**, 89 (1981), 372-391.
- [20] Lazear, Edward P. and Robert T. Michael, Allocation of income within the household (Chicago: University of Chicago Press, 1988).
- [21] Lich-Tyler, Stephen, 'Preference-based Assortative Matching', unpublished manuscript, University of Michigan at Ann Arbor, (2003).
- [22] Locay, Luis, 'Economic Development and the Division of Production between Households and Markets', The Journal of Political Economy, 98 (1990), 965-982.
- [23] Piketty, Thomas, 'The Impact of divorce on school performance: evidence from France, 1968-2002', CEPR Discussion Paper Series No. 4146, (2003).
- [24] Pollak, Robert A., 'Allocating Time: Individuals' Technologies and Household Technology', Washington University in St. Louis, (2007).
- [25] Pollak, Robert A., 'A Transaction Cost Approach to Families and Households', **Journal of Economic Literature**, 23 (1985), 581-608.
- [26] Rosenzweig, Mark R. and Oded Stark, 'Consumption Smoothing, Migration, and Marriage: Evidence from Rural India', **The Journal of Political Economy**, 97 (1989), 905-926.
- [27] Shore, Stephen H., 'For Better, for Worse: Intra-Household Risk-Sharing over the Business cycle', Review of economics and statistics, forthcoming. Weiss, Y. (1997), "The Formation and Dissolution of Families: Why Marry, Who Marries Whom, and What Happens Upon Marriage and Divorce?" in Rosenzweig, M. and O. Stark (eds.) Handbook of Population Economics. Elsevier.

# BCW chapter 3: Models of Family Behavior

- [1] Apps, Patricia F. and Ray Rees, 'Taxation and the Household', Journal of Public Economics, 35 (1988), 355-369.
- [2] Basu, Kaushik, 'Gender and Say: A Model of Household Behaviour With Endogenously Determined Balance of Power', Economic Journal, 116 (2006), 558-580.
- [3] Becker, Gary S. and Kevin M. Murphy, **Accounting for Tastes**, (Cambridge Mass: Harvard University Press, 1996).
- [4] Becker, Gary S., 'A Theory of the Allocation of Time', **The Economic Journal**, 75 (1965), 493-517.

- [5] Becker, Gary S., 'A Theory of Social Interactions', Journal of Political Economy, 82 (1974), 1063-93.
- [6] Becker, Gary S., **Treatise on the family**, (Cambridge Mass: Harvard University Press, 1991).
- [7] Becker, Gary S. and Robert J. Barro, 'A Reformulation of the Economic Theory of Fertility', **The Quarterly Journal of Economics**, 103 (1988), 1-25.
- [8] Bergstrom, Theodore C., 'Puzzles: Love and Spaghetti, The Opportunity Cost of Virtue', **The Journal of Economic Perspectives**, 3 (1989), 165-173.
- [9] Bergstrom, Theodore C., Blume, Larry and Hal R. Varian, 'On the Private Provision of Public Goods', Journal of Public Economics, 29 (1986), 25-49.
- [10] Bergstrom, Theodore C., 'A Fresh Look at the Rotten Kid Theorem-and Other Household Mysteries', Journal of Political Economy, 97 (1989), 1138-1159.
- [11] Bernheim, B. Douglas and Kyle Bagwell, 'Is Everything Neutral?', **Journal** of Political Economy, 96 (1988), 308-338.
- [12] Bernheim, B. Douglas and Oded Stark, 'Altruism within the Family Reconsidered: Do Nice Guys Finish Last?', The American Economic Review, 78 (1988), 1034-1045.
- [13] Brossolet Cecile, Femmes au travail: l'introuvable égalité, (Paris: L'Harmattan, 1993).
- [14] Browing, Martin, Chiappori, Pierre-André and Valérie Lechene, 'Distributional effects in household models: separate spheres and income pooling', Economics Series Working Papers No. 293, University of Oxford, Department of Economics, (2006).
- [15] Browning, Martin, Pierre-André Chiappori and Arthur Lewbel, 'Estimating Consumption Economies of Scale, Adult Equivalence Scales, and Household Bargaining Power', CAM Working Paper No. 2003-12, (2006).
- [16] Bruce, Neil and Michael Waldman, 'The Rotten-Kid Theorem Meets the Samaritan's Dilemma', **The Quarterly Journal of Economics**, 105 (1990), 155-165.
- [17] Chen, Zhiqi and Frances Woolley, 'A Cournot-Nash Model of Family Decision Making', **The Economic Journal**, 111 (2001), 722-748.
- [18] Chiappori, Pierre-André, 'Rational Household Labor Supply', **Econometrica**, 56 (1988), 63-90.

- [19] Chiappori, Pierre-André, 'Collective Labor Supply and Welfare', **Journal** of Political Economy, 100 (1992), 437-67.
- [20] Chiappori, Pierre-André, 'Nash-Bargained Household Decisions: A Rejoinder', International Economic Review, 32 (1991), 761-62.
- [21] Chiappori, Pierre-André and Ivan Werning, 'Comment on "Rotten Kids, Purity, and Perfection", Journal of Political Economy, 110 (2002), 475-504.
- [22] Chiappori, Pierre André (2009), 'Random Labor Supply', mimeo, Columbia University
- [23] Cornes, Richard C. and Emilson C.D. Silva, 'Rotten Kids, Purity and Perfection', Journal of Political Economy, 107 (1999), 1034-1040.
- [24] Gersbach, Hans and Hans Haller, 'Allocation among Multi-Member Households: Issues, Cores and Equilibria', in Alkan, Ahmet (eds.), Aliprantis, Charalambos D. (eds.) and Yannelis, Nicholas C. (eds.), Current Trends in Economics: Theory and Applications (Studies in Economic Theory, 8), (New York: Springer-verlag Berlin Heidelberg, 1999).
- [25] Gronau, Reuben, 'Home Production and the Macro Economy-Some Lessons from Pollak and Wachter and from Transition Russia', NBER Working Paper No. 12287, (2006).
- [26] Grossbard-Shechtman, Shoshana, On the Economics of Marriage: A Theory of Marriage, Labor, and Divorce, (Boulder: Westview Press, 1993).
- [27] Haddad, Lawrence and Kanbur, Ravi, 'Intrahousehold inequality and the theory of targeting', **European Economic Review**, 36 (1992), 372-378.
- [28] Haller, Hans, 'Household Decisions and Equilibrium Efficiency', International Economic Review, 41 (2000), 835-847.
- [29] Konrad, Kai A. and Kjell Erik Lommerud, 'Family Policy with Non-Cooperative Families', The Scandinavian Journal of Economics, 97 (1995), 581-601.
- [30] Lundberg, Shelly and Robert A. Pollak, 'Separate Spheres Bargaining and the Marriage Market', **Journal of Political Economy**, 101 (6), 988-1010.
- [31] Lundberg, Shelly and Robert A. Pollak, 'Efficiency in Marriage', Review of Economics of the Household, 1 (2003), 153-167.
- [32] Manser, Marilyn and Murray Brown, 'Marriage and Household Decision-Making: A Bargaining Analysis', **International Economic Review**, 21 (1980), 31-44.

- [33] Mas-Colell, Andreu, Whinston, Michael D. and Jerry R. Green, Microeconomic Theory, (New York: Oxford University Press, 1995).
- [34] McElroy, Marjorie B. and Mary Jean Horney, 'Nash-Bargained Household Decisions: Toward a Generalization of the Theory of Demand', International Economic Review, 22 (1981), 333-349.
- [35] Matthews, Steven A., 'Smooth Monotone Contribution Games', PIER Working Paper Archive 06-018, Penn Institute for Economic Research, Department of Economics, University of Pennsylvania, (2006).
- [36] Pollak, Robert A. and Michael L. Wachter, 'The Relevance of the Household Production Function and Its Implications for the Allocation of Time', The Journal of Political Economy, 83 (1975), 255-278.
- [37] Udry, Christopher, 'Gender, Agricultural Production, and the Theory of the Household', The Journal of Political Economy, 104 (1996), 1010-1046.
- [38] Warr, Peter G., 'The Private Provision of a Public Good is Independent of the Distribution of Income', Economics Letters, 13 (1983), 207-211.

## BCW chapter 7: Matching in The Marriage Market

- [1] Anderson, Siwan, 'The Economics of Dowry and Bride Price', **Journal of Economic Perspectives**, 21 (2007), 151-174.
- [2] Becker, Gary, 'A Theory of Marriage: Part 1', Journal of Political Economy, 81 (1973), 813-846.
- [3] Becker, Gary, **Treatise on the family**, (Cambridge Mass: Harvard University Press, 1991).
- [4] Becker, Gary, and Kevin M. Murphy, Accounting for Tastes, (Cambridge Mass: Harvard University Press, 1996)
- [5] Becker, Gary, Human Capital, (Third edition, Chicago, Chicago University Press, 1993).
- [6] Bergstrom, Ted and Mark Bagnoli, 'Courtship as a Waiting Game', Journal of Political Economy, 101 (1993), 185-202.
- [7] Burdett, Kenneth and Melvyn G. Coles, 'Long-Term Partnership Formation: Marriage and Employment', **The Economic Journal**, 109 (1999), 307-334.
- [8] Crawford, Vincent P., 'Comparative statics in Matching Markets', **Journal** of Economic Theory, 54 (1991), 389-400.

- [9] Chiappori, P.A., R. McCann and L. Nesheim, "Hedonic Price Equilibria, Stable Matching, And Optimal Transport: Equivalence, Topology, And Uniqueness", **Economic Theory**, 42 2 (2010), 317-354
- [10] Chiappori, P.A., and P. Reny, 'Matching to share risk', Mimeo, University of Chicago (2006).
- [11] Diamond, Peter A., 'Aggregate Demand Management in Search Equilibrium', **Journal of Political Economy**, 90 (1982), 881-894.
- [12] Ekeland, I., "Notes on optimal transportation", **Economic Theory**, 42 2 (2010), 337-359.
- [13] Gale, David and Lloyd Shapley, 'College Admissions and the Stability of Marriage', American Mathematical Monthly, 69 (1962), 9-15.
- [14] Gale, David, **The Theory of Linear Economic Models**, (New York: McGraw-Hill, 1960).
- [15] Galichon, A., and B. Salanié, 'Matching with Trade-offs: Revealed Preferences over Competing Characteristics', mimeo, Columbia University, 2009
- [16] Goldin, Claudia, 'The Quiet Revolution That Transformed Women Employment, Education and Family', **American Economic Review**, 90, (papers and proceedings, 2006), 1-21.
- [17] Lundberg, Shelly and Robert Pollak, 'Marriage market equilibrium and bargaining' Delivered as the presidential address in the 2009 Society of Labor Economics meeting in Boston.
- [18] Mortensen, Dale T., 'Matching: Finding a Partner for Life or Otherwise', **American Journal of Sociology**, 94 (1998, supplement), s215-s240.
- [19] Oppenheimer, Valerie K., 'A Theory of Marriage Timing', American Journal of Sociology, 94 (1988), 563-591.
- [20] Roth, Alvin E. and Marilda A.Oliveira Sotomayor, Two Sided Matching: A Study in Game-Theoretic Modeling and Analysis, (New York: Cambridge University Press, 1990).
- [21] Shapley, Lloyd and Martin Shubik, 'The Assignment Game 1: The Core', International Journal of Game Theory, 1 (1972), 111-130.
- [22] Rubinstein, Ariel, 'Perfect Equilibrium in a Bargaining Model', **Econometrica**, 50 (1982), 97-110.
- [23] Shimer, Robert and Lones Smith, 'Assortative Matching and Search', **Econometrica**, 68 (2000), 343-369.
- [24] Smith, Lones, 'The Marriage Model with Search Frictions', unpublished manuscript, University of Michigan (2006).

[25] Wolinsky, Asher, 'Matching, Search and Bargaining', **Journal of Economic Theory**, 42 (1987), 311-33.

## BCW chapter 8: Sharing of Marital Gains

- [1] Ben-Akiva, Moshe and Steven R. Lerman ,'Discrete Choice Analysis' (MIT Press, 1985).
- [2] Bately Richard 'On Ordinal Utility Cardinal Utility and Random Utility' **Theory and Decision** (2008) 64:37–63.
- [3] Botticini, Maristella and Aloysius Siow, 'Why Dowries?', **The American Economic Review**, 93 (2003), 1385-1398.
- [4] Browning, Martin and M. Gertz, 'Spending Time and Money Within the Household', unpublished manuscript, Department of Economics, University of Oxford (2006).
- [5] Choo, Eugene and Aloysius Siow, 'Who Marries Whom and Why', **Journal** of Political Economy, 114 (2006), 175-201.
- [6] Chiappori, Pierre-Andre, Bernard Fortin and Guy Lacroix, 'Marriage Market, Divorce Legislation, and Household Labor Supply', Journal of Political Economy, 110 (2002), 37-72.
- [7] Chiappori, Pierre-Andre, Murat Iyigun and Yoram Weiss, 'Investment in Schooling and the Marriage Market', **The American Economic Review**, fortcoming (2009).
- [8] Chiappori, Pierre-Andre, Bernard Selanie and Yoram Weiss 'Assortative Matching on the Marriage Market: A Structural Investigation' (Columbia University, Department of Economics, in progress)
- [9] Dagsvik, John K., 'Aggregation in Matching Markets', **International Economic Review**, 41 (2000), 27-57.
- [10] Edlund, Lena, 'The Price of Marriage: Net vs. Gross Flows and the South Asian Dowry Debate', The Journal of the European Economic Association, papers and proceedings, 4 (2006), 542-551.
- [11] Fernandez, Cristina and Almudena Sevilla-Sanz, 'Social Norms and Household Time Allocation', Institute for Social and Economic Research, Working Paper 2006-38, (2006).
- [12] Gale, David 'TheTheory of Linear Economic Models' (McGraw-Hill, 1960).

- [13] Johnson, Norman L., Samuel Kotz and N. Balakrishnan, 'Continuous Univariate Distributions' (Wiley, 1995).
- [14] Mare, Rober D. Educatinal Assortative Mating in Two Generations' University of California Los Angeles, Department of Sociology, 2008.
- [15] McFadden, Daniel L., 'Econometric Analysis of Qualitative Response Models', in Grliches, Z. (eds.) and Intriligator, M. D. (eds.), 'Handbook of Econometrics', (Elsevier, Vol 2, 1984).
- [16] Siow, Aloysius 'Testing Becker's Theory of Positive Assortative Matching' University of Toronto (2009).
- [17] Train, Kenneth E. **Discrete Choice Methods with Simulation** (Cambridge University Press, posted internet version, 2009).

# BCW chapter 9: Investment in Schooling and the Marriage Market

- [1] Albanesi, Stefania and Claudia Olivetti, 'Home Production, Market Production and the Gender Wage Gap: Incentives and Expectations', **Review of Economic Dynamics**, 12 (2009), 80–107.
- [2] Baker, Matthew J. and Joyce P. Jacobsen, 'Marriage, Specialization, and the Gender Division of Labor', **Journal of Labor Economics**, 25 (2007), 763-793.
- [3] Becker, Gary, **Treatise on the family**, (Cambridge Mass: Harvard University Press, 1991).
- [4] Behrman, Jere R., 'Mother's Schooling and Child Education: A Survey', PIER Working Paper No. 97-025, (1997).
- [5] Bergstrom, T. C., Blume, L. E. and Varian, H. R. (1986), "On the Private Provision of Public Goods", Journal of Public Economics, 29, 25–49.
- [6] Chiappori Pierre-Andre and Yoram Weiss, 'Divorce, Remarriage, and Child Support', Journal of Labor Economics, 25 (2007), 37-74.
- [7] Chiappori, Pierre-Andre, Iyigun, Murat, and Yoram Weiss, 'Investment in Schooling and the Marriage Market', **American Economic Review**, 99 (2009), 1689-1713.
- [8] Chichilnisky, Graciela, 'The Gender Gap', Review of Development Economics, 12 (2008), 828-844.

- [9] Cole, Harold Linh, Mailath, George J., and Andrew Postlewaite, 'Efficient Non-Contractible Investments in Finite Economies', Journal of Economic Theory, 101 (2001), 333-373.
- [10] Dougherty, Christopher, 'Why Are the Returns to Schooling Higher for Women than for Men?', Journal of Human Resources, 40 (2005), 969-988.
- [11] Felli, Leonardo and Kevin W.S. Roberts, 'Does Competition Solve the Hold-Up Problem?', CEPR Discussion Paper No. 3535, (2002).
- [12] Fernandez, Raquel, 'Culture as Learning: The Evolution of Female Labor Force Participation over a Century', NBER Working Papers 13373, (2007).
- [13] Glewwe, Paul, 'Why Does Mother's Schooling Raise Child Health in Developing Countries? Evidence from Morocco', **The Journal of Human Resources**, 34 (1999), 124-159.
- [14] Goldin, Claudia, 'Career and Family: College Women Look at the Past', in Blau, Francine D., (eds.) and Ehrenberg, Ronald G., (eds.), **Gender and Family Issues in the Workplace**, (New York, Russell Sage Foundation, 1997).
- [15] Goldin, Claudia, Katz, Lawrence F. and Ilyana Kuziemko, 'The Homecoming of American College Women: The Reversal of the College Gender Gap', Journal of Economic Perspectives, 20 (2006), 133-156.
- [16] Greenwood, Jeremy, Seshadri, Ananth and Mehmet Yorukoglu, 'Engines of Liberation', **The Review of Economic Studies**, 72 (2005), 109-133.
- [17] Hadfield, Gillian K., 'A Coordination Model of the Sexual Division of Labor', Journal of Economic Behavior & Organization, 40 (1999), 125-153.
- [18] Iyigun, Murat and Randall P. Walsh, 'Building the Family Nest: Premarital Investments, Marriage Markets, and Spousal Allocations', **Review of Economic Studies**, 74 (2007), 507-535.
- [19] Lommerud, Kjell Erik and Steinar Vagstad, 'Mommy Tracks and Public Policy: On Self-Fulfilling Prophecies and Gender Gaps in Promotion', CEPR Discussion Paper No. 2378, (2000).
- [20] Mulligan, Casey B. and Yona Rubinstein, 'Selection, Investment, and Women's Relative Wages Over Time', The Quarterly Journal of Economics, 123 (2008), 1061-1110.
- [21] MacLeod, W. B. and Malcomson, J. M. (1993), "Investment, Holdup, and the Form of Market Contracts", American Economic Review, 83, 811-837.
- [22] Peters, Michael, 'The pre-marital investment game', Journal of Economic Theory, 137, (2007), 186-213.

- [23] Peters, Michael and Aloysius Siow, 'Competing Premarital Investments', **Journal of Political Economy,** 110 (2002), 592–608.
- [24] Shapley, Lloyd and Martin Shubik, 'The Assignment Game 1: The Core', International Journal of Game Theory, 1 (1972), 111-130.