

CURRICULUM VITAE (January 2008)

Name: Donald J. Brown
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Born: April 16, 1937 **Marital Status:** Married, One child

Education: Ph.D. in Mathematics, Stevens Institute of Technology, 1969
M.Sc. in Physics, Pennsylvania State University, 1964
B.A. in Physics, University of Colorado, 1962

Research Interests: Econometrics, General Equilibrium Theory, Microeconomic Theory and Finance

Positions:

2000- Philip R. Allen Professor of Economics, Department of Economics, Yale University
Professor of Mathematics Department of Mathematics, Yale University
Professor of Economics, Yale School of Management

1995-2000 Phillip R. Allen Professor of Economics, Department of Economics, Yale University
Professor of Mathematics Department of Mathematics, Yale University

1991-95 Mellon Term Professor of Interdisciplinary Studies, Department of Economics, Stanford University

1988-95 Professor of Economics, Department of Economics, Stanford University

1987-88 Professor of Economics, Department of Economics, Yale University

1987-88 Mellon Term Professor, Yale University

1976-86 Professor of Economics, Cowles Foundation for Research in Economics, Yale University

- 1974-76 Associate Professor of Economics, Cowles Foundation for Research in Economics, Yale University
- 1971-73 Assistant Professor of Economics, Cowles Foundation for Research in Economics, Yale University
- 1969-70 Research Staff, Economics, and Lecturer, Cowles Foundation for Economic Research in Economics, Yale University
- 1964-69 Member of Technical Staff, Military Analysis Department, Bell Telephone Laboratories, Whippany, New Jersey
- 1960-62 Physical Scientist, Ionospheric Research Department National Bureau of Standard, Boulder, Colorado

Administrative Positions:

- 2006-2007, 1996-2000, and 1975-1976:
 Director of Undergraduate Studies, Department of Economics, Yale University
- 1984-1987 Chairman, Department of Economics, Yale University

Fellows and Scholarships:

- 1999-2002 Whitney Humanities Center Fellow, Yale University
- 2000-01 Yale Senior Faculty Fellowship
- 1993 Visiting Miller Research Professor, Department of Economics, University of California at Berkeley
- 1987-88 Yale Senior Faculty Fellowship
- 1981-82 Fairchild Scholar, California Institute of Technology
- 1977-78 Yale Senior Faculty Fellowship
- 1973-74 Guggenheim Fellowship and Junior Faculty Social Sciences Fellowship
- 1968-69 Bell Laboratories Doctoral Fellowship
- 1966-67 National Science Traineeship
- 1963-64 Research Assistantship, Ionospheric Research Laboratory

Honors:

- 2007 Distinguished Fellow of the American Economics Association
- 1992 Fellow of the American Academy of Arts and Sciences
- 1991 Honorary Doctorate of Arts and Sciences, Indiana University
- 1968 Sigma Chi
- 1962 Phi Beta Kappa, University of Colorado
Sigma Pi Sigma (Physics Honorary)

Visiting Appointments:

- 1993 Department of Economics, University of California at Berkeley
- 1992 Division of Humanities and Social Sciences, California Institute of Technology
- 1987-88 Department of Economics, University of California, San Diego
- 1981-82 Division of Humanities and Social Sciences, California Institute of Technology
- 1978-79 Department of Operations Research, Stanford University
- 1973-74 Department of Economics, University of California, Berkeley

Professional Affiliations:

Econometric Society, Fellow

American Economic Association, Executive Committee, 1994-1997

American Economics Association, Distinguished Fellow

Publications:

"Computational Aspects of General Equilibrium Theory: Refutable Theories of Value" (with F.Kubler) New York and Berlin ; Springer-Verlag, 2008

"The Nonparametric Approach to Applied Welfare Analysis" (with C. Calsamiglia), *Economic Theory*, April 2007."Computational Aspects of General Equilibrium Theory : Refutable Theories of Value (with F.Kubler) New York and Berlin ; Springer-Verlag,2008

"Competition, Consumer Welfare, and the Social Cost of Monopoly" (with Yoo-Ho Alex Lee), ABA Handbook: Issues in Competition, Law and Policy, edited by Dale Collins, forthcoming.

"Weighted Minimum Mean-Square Distance from Independence Estimation," (with M. Wegkamp), *Econometrica*, 70, 5, September 2002.

"A Uniqueness, Stability and Comparative Statics in Rationalizable Walrasian Markets," (with C. Shannon), *Econometrica*, 68, 6, November 2000.

"A Minimum Cost Portfolio Insurance," (with C.D. Aliprantis and J. Werner), Special Issue of *Journal of Dynamics and Control*, 24, (11-12), October 2000.

"A Portfolio Dominance and Optimality in Infinite Securities Markets," (with C.D. Aliprantis and J. Werner), *Journal of Mathematical Economics*, 30, 1998.

"Testable Restrictions on the Equilibrium Manifold", (with R. Matzkin), *Econometrica*, 64, 1996.

"Computing Zeros of Sections of Vector Bundles Using Homotopies and Relocalization," *Mathematics of Operations Research*, 21, No.1, February 1996.

"Computing Equilibria when Asset Markets are Incomplete," (with P. DeMarzo and B.C. Eaves) *Econometrica*, Vol. 64, #1, January 1996.

"Arbitrage and Existence of Equilibrium in Infinite Asset Markets" (with J. Werner), *Review of Economic Studies*, 62, 1995.

"Two-Part Marginal Cost Pricing Equilibria: Existence and Efficiency," (with W.P. Heller and R.M. Starr), *Journal of Economic Theory*, 57, 1992.

"Equilibrium Analysis with Non-Convex Technologies," in Handbook of Mathematical Economics: Volume IV, eds. W. Hildenbrand and H. Sonnenschein, Amsterdam and New York, North-Holland, 1991.

"Valuation and Optimality in Exchange Economies with a Countable Number of Agents," (with C.D. Aliprantis and O. Burkinshaw) in Positive Operators, Riesz Spaces, and Economics, ed. by C.D. Aliprantis, K.C. Border and W.A.J. Luxemburg, New York and

Berlin: Springer Verlag, 1991.

"Approximating Derivative Securities in f -Algebras," (with C.B. Huijsmans and B. DePagter), in Positive Operators, Riesz Spaces, and Economics, ed. by C.D. Aliprantis, K.C. Border and W.A.J. Luxemburg, New York and Berlin: Springer-Verlag, 1991.

"Spanning, Valuation and Options," (with S.A. Ross) *Economic Theory*, 1, (1), 1991.

"Valuation and Optimality in the Overlapping Generations Model," (with C.D. Aliprantis and O. Burkinshaw), *International Economic Review*, 31(2), 1990.

Existence and Optimality of Competitive Equilibria (with C.D. Aliprantis and O. Burkinshaw) New York and Berlin: Springer-Verlag, 1989.

"Equilibria in Exchange Economies with a Countable Number of Agents," (with C.D. Aliprantis and O. Burkinshaw), *Journal of Mathematical Analysis and Applications*, 142, 1989.

"The Structure of Neutral Monotonic Social Functions" (with J. Blau), Social Choice and Welfare, Vol. 6, 1989.

"Edgeworth Equilibria in Production Economies" (with C.D. Aliprantis and O. Burkinshaw), *Journal of Economic Theory*, Vol. 43, 1987.

"Ramsey Pricing in Telecommunications Markets with Free Entry" (with Geoffrey Heal), in Regulating Utilities in an Era of Deregulation, (Michael Crew, ed.), MacMillan Press, 1987.

"An Economy with Infinite Dimensional Commodity Space and Empty Core" (with C.D. Aliprantis and O. Burkinshaw), *Economic Letters*, Vol. 23, #1 (1987), pp. 1-4.

"Edgeworth Equilibria" (with C.D. Aliprantis and O. Burkinshaw), *Econometrica*, Vol. 55, 1987.

"On a General Existence Theorem for Marginal Cost Pricing Equilibria" (with G. Heal, M.A. Kahn, and R. Vohra), *Journal of Economic Theory*, Vol. 38, #2, April 1986.

"The Optimality of Regulated Pricing: A General Equilibrium Analysis" (with Geoffrey Heal), in *Advances in Equilibrium Theory, Lecture Notes in Economics and Mathematical Systems*, Vol. 244, 1985.

"Examples of Excess Demand Functions on Infinite Dimensional Commodity Spaces" *Advances in Equilibrium Theory, Lecture Notes in Economics and Mathematical Systems*, Vol. 244, 1985.

"Marginal versus Average Cost Pricing in the Presence of a Public Monopoly" (with Geoffrey Heal), *American Economic Review: Papers and Proceedings*, Vol. 73, #2, May

1983.

"Equilibria in Markets with a Riesz Space of Commodities" (with C.D. Aliprantis), *Journal of Mathematical Economics*, II, 1983.

"Myopic Economics Agents" (with Lucinda Lewis), *Econometrica*, Vol. 48, #2, March 1981.

"Two-Part Tariffs, Marginal Cost Pricing and Increasing Returns in a General Equilibrium Model" (with Geoffrey Heal), *Journal of Public Economics*, Vol. 13, #1, February 1980.

"An Extension of the Brown–Robinson Equivalence Theorem" (with Ali Khan), *Applied Mathematics and Computation*, Vol. 6, #2, 1980.

"Equity, Efficiency, and Increasing Returns to Scale" (with Geoffrey Heal), *Review of Economic Studies*, Vol. 46 (4), #145, October 1979.

"The Values of a Nonstandard Exchange Economies" with Peter Loeb), *Israel Journal of Mathematics*, Vol. 25, 1976.

"Existence of Competitive Equilibria in a Nonstandard Exchange Economy," *Econometrica*, Vol. 44, 1976. "Aggregation of Preferences," *Quarterly Journal of Economics*, August 1975.

"Nonstandard Exchange Economies" (with Abraham Robinson), *Econometrica*, Vol. 43, #1, January 1975.

"An Approximate Solution to Arrow's Problem," *Journal of Economic Theory*, Vol. 9, #4, December 1974.

"The Cores of Large Standard Exchange Economies" (with Abraham Robinson), *Journal of Economic Theory* Vol. 9, #3, November 1974.

"A Limit Theorem on the Cores of Large Standard Exchange Economies (with Abraham Robinson), *Proceedings, National Academy of Science*, Vol. 69, #5, 1974.

"Classical Abstract Logics" (with S. Bloom), *Dissertationes Mathematicae*, C11, 1973.

"Theory of Abstract Logics" (with R. Suszko), *Dissertationes Mathematicae*, C11, 1973.

"Some Theorems on Abstract Logics" (with S. Bloom and R. Suszko), *Algebra I Logikg*, #3, 1970.

"A Note on Abstract Logics" (with S. Bloom and R. Suszko), *Bulletin De L'Academie Polonaise Des Sciences*, Vol. XVIII, #3, 1970.