Bibliography

(1993, April). New York Stock Exchange Fact Book: 1992 Data.

(1994). Market 2000: An Examination of Current Equity Market Developments.

Abel, A. (1990). Asset Prices under Habit Formation and Catching Up with the Joneses. *American Economic Review 80, Papers and Proceedings*, 38–42.

Abel, A. (1996). Risk Premia and Term Premia in General Equilibrium. unpublished paper, University of Pennsylvania.

Abel, A., N. G. Mankiw, L. Summers, and R. Zeckhauser (1989). Assessing Dynamic Efficiency: Theory and Evidence. *Review of Economic Studies 56*, 1–20.

Acharya, S. (1988). A Generalized Econometric Model and Tests of a Signalling Hypothesis with Two Discrete Signals. *Journal of Finance 43*, 413–429.

Acharya, S. (1993). Value of Latent Information: Alternative Event Study Methods. *Journal of Finance 48*, 363–385.

Adams, K. and D. van Deventer (1994). Fitting Yield Curves and Forward Rate Curves with Maximum Smoothness. *Journal of Fixed Income 4*, 52–62.

Admati, A. and P. Pfleiderer (1988). A Theory of Intraday Patterns: Volume and Price Variability. *Review of Financial Studies 1*, 3–40.

Admati, A. and P. Pfleiderer (1989). Divide and Conquer: A Theory of intraday and Day-of-the-Week Mean Effects. *Review of Financial Studies 2*, 189–224.

Affleck-Graves, J., S. Hegde, and R. Miller (1994). Trading Mechanisms and the Components of the Bid-Ask Spread. *Journal of Finance 49*, 1471–1488.

Affleck-Graves, J. and B. McDonald (1989). Nonnormalities and Tests of Asset Pricing Theories. *Journal of Finance 44*, 889–908.

Ainslie, C. (1992). *Picoeconomics*. Cambridge University Press, Cambridge.

Aït-Sahalia, Y. (1993). Nonparametric Functional Estimation with Applications to Financial Models. unpublished Ph.D. dissertation, Department of Economics, Massachusetts Institute of Technology.

Aït-Sahalia, Y. (1996a). Nonparametric Pricing of Interest Rate Derivative Securities. *Econometrica 64*, 527–560.

Aït-Sahalia, Y. (1996b). Testing Continuous-Time Models of the Spot interest Rate. *Review of Financial Studies 9*, 385–426.

Aït-Sahalia, Y. and A. Lo (1996). Nonparametric Estimation of State-Price Densities Implicit in Financial Asset Prices. Working Paper LFE-1015-96, MIT Laboratory for Financial Engineering.

Aitchison, J. and S. Silvey (1957). The Generalization of Probit Analysis to the Case of Multiple Responses. *Biometrika 44*, 131–140.

Aiyagari, S. and M. Gertler (1991). Asset Returns with Transaction Costs and Uninsured Individual Risk: A Stage III Exercise. *Journal of Monetary Economics 27*, 309–331.

Aldous, D. (1989). *Probability Approximations via the Poisson Clumping Heuthtic*. Springer-Verlag, New York.

Aldous, D. and P. Diaconis (1986). Shuffling Cards and Stopping Times. *American Mathematical Monthly 8*, 333–348.

Alexander, S. (1961). Price Movements in Speculative Markets: Trends or Random Walks. *Industrial Management Review 2*, 7–26.

Alexander, S. (1964). Price Movements in Speculative Markets: Trends or Random Walks, No. 2. In P. Cootner (Ed.), *The Random Character of Stock Market Prices*. Massachusetts Institute of Technology Press, Cambridge, MA.

Amihud, V. and H. Mendelson (1980). Dealership Markets: Market Making with Uncertainty. *Journal of Financial Economics 8*, 31–54.

Amihud, V. and H. Mendelson (1986). Asset Pricing and the Bid-Ask Spread. *Journal of Financial Economics 17*, 223–250.

Amihud, V. and H. Mendelson (1987). Trading Mechanisms and Stock Returns: An Empirical Investigation. *Journal of Finance 42*, 533–553.

Amin, K. and V. Ng (1993). Option Valuation with Systematic Stochastic Volatility. *Journal of Finance 48*, 881–910.

Anderson, T. (1984). *An Introduction to Multivariate Statistical Analysis* (2 ed.). John Wiley and Sons, New York.

Andrews, D. (1991). Heteroskedasticity and Autocorrelation Consistent Covariance Matrix Estimation. *Econometrica 59*, 817–858.

Andrews, D. and J. Monahan (1992). An Improved Heteroskedasticity and Autocorrelation Consistent Covariance Matrix Estimator. *Econometrica 60*, 953–966.

Arnold, L. (1974). *Stochastic Differential Equations: Theory and Applications*. John Wiley and Sons, New York.

Arrow, K. (1964). The Role of Securities in the Optimal Allocation of Risk Bearing. *Review of Economic Studies 31*, 91–96.

Aschauer, D. (1985). Fiscal Policy and Aggregate Demand. *American Economic Review 75*, 117–127.

Ashford, J. (1959). An Approach to the Analysis of Data for Semi-Quantal Responses in Biological Response. *Biometrics 26*, 535–581.

Ashley, J. (1962). Stock Prices and Changes in Earnings and Dividends: Some Empirical Results. *Journal of Political Economy*, 82–85.

Asquith, P. and D. Mullins (1986). Equity Issues and Offering Dilution. *Journal of Financial Economics 15*, 61–89.

Atchison, M., K. Butler, and R. Simonds (1987). Nonsynchronous Security Trading and Market Index Autocorrelation. *Journal of Finance 42*, 111–118.

Backus, D. (1993). Cox-Ingersoll-Ross in Discrete Time. unpublished paper, New York University.

Backus, D., S. Foresi, and S. Zin (1996). Arbitrage Opportunities in Arbitrage-Free Models of Bond Pricing. Working Paper 5638, NBER, Cambridge, MA.

Backus, D., A. Gregory, and S. Zin (1989). Risk Premiums in the Term Structure: Evidence from Artificial Economies. *Journal of Monetary Economics 24*, 371–399.

Backus, D. and S. Zin (1994). Reverse Engineering the Yield Curve. Working Paper 4676, NBER, Cambridge, MA.

Badrinath, S., J. Kale, and T. Noe (1995). Of Shepherds, Sheep, and the Cross Autocorrelations in Equity Returns. *Review of Financial Studies 8*, 401–430.

Bagehot, W. (1971). The Only Game in Town. *Financial Analysts Journal 22*, 12–14. a.k.a. Jack Treynor.

Baker, C. (1956, January–February). Effective Stock Splits. *Harvard Business Review 34(1)*, 101–106.

Baker, C. (1957, May–June). Stock Splits in a Bull Market. *Harvard Business Review 35(3)*, 72–79.

Baker, C. (1958, July–August). Evaluation of Stock Dividends. *Harvard Business Review 36(4)*, 99–114.

Bakshi, G. and Z. Chen (1996). The Spirit of Capitalism and Stock Market Prices. *American Economic Review 86*, 1133–157.

Balduzzi, P., G. Bertola, and S. Foresi (1993). A Model of Target Changes and the Term Structure of Interest Rates. Working Paper 4347, NBER, Cambridge, MA.

Ball, C. (1988). Estimation Bias Induced by Discrete Security Prices. *Journal of Finance 43*, 841–865.

Ball, C. and A. Roma (1994). Stochastic Volatility Option Pricing. *Journal of Financial and Quantitative Analysis 29*, 589–607.

Ball, C. and W. Torous (1983). A Simplified Jump Process for Common Stock Returns. *Journal of Financial and Quantitative Analysis 18*, 53–65.

Ball, C. and W. Torous (1985). On Jumps in Common Stock Prices and Their Impact on Call Option Pricing. *Journal of Finance 40*, 155–174.

Ball, C. and W. Torous (1988). Investigating Security-Price Performance in the Presence of Event-Date Uncertainty. *Journal of Financial Economics 22*, 123–154.

Ball, C., W. Torous, and A. Tschoegl (1985). The Degree of Price Resolution: The Case of the Gold Market. *Journal of Futures Markets 5*, 29–43.

Ball, R. and P. Brown (1968). An Empirical Evaluation of Accounting Income Numbers. *Journal of Accounting Research*, 159–178.

Banz, K. (1981). The Relation between Return and Market Value of Common Stocks. *Journal of Financial Economics 9*, 3–18.

Banz, R. and M. Miller (1978). Prices for State-Contingent Claims: Some Estimates and Applications. *Journal of Business 51*, 653–672.

Barberis, N., A. Shleifer, and R. Vishny (1996). A Model of Investor Sentiment with both Underreaction and Overreaction. unpublished paper, University of Chicago and Harvard University.

Barclay, M. and R. Litzenberger (1988). Announcement Effects of New Equity Issues and the Use of Intraday Price Data. *Journal of Financial Economics 21*, 71–100.

Barr, D. and J. Campbell (1995). Inflation, Real Interest Rates, and the Bond Market: A Study of UK Nominal and Index-Linked Government Bond Prices. Discussion Paper 1732, Harvard Institute of Economic Research, Harvard University.

Barron, A. (1993). Universal Approximation Bounds for Superpositions of a Sigmoidal Function. *IEEE Trans. Info. Theory 39*, 930–945.

Barron, A. (1994). Approximation and Estimation Bounds for Artificial Neural Networks. *Machine Learning 14*, 115–133.

Barron, A. and R. Barron (1988). Statistical Learning Networks: A Unifying View. In *20th Symposium on the Interface: Computing Science and Statistics*, Reston, Virginia, pp. 192–203.

Barsky, R. and J. D. Long (1993). Why Does the Stock Market Fluctuate? *Quarterly Journal of Economics 108*, 291–311.

Basu, S. (1977). The Investment Performance of Common Stocks in Relation to Their Price to Earnings Ratios: A Test of the Efficient Market Hypothesis. *Journal of Finance 32*, 663–682.

Beckers, S. (1980). The Constant Elasticity of Variance Model and Its Implications for Option Pricing. *Journal of Finance 35*, 661–673.

Beckers, S. (1983). Variances of Security Price Returns Based on High, Low, and Closing Prices. *Journal of Business 56*, 97–112.

Benartzi, S. and R. Thaler (1995). Myopic Loss Aversion and the Equity Premium Puzzle. *Quarterly Journal of Economics 110*, 73–92.

Benston, G. and R. Hagerman (1974). Determinants of Bid-Asked Spreads in the Over-the-Counter Market. *Journal of Financial Economics 1*, 353–364.

Benveneto, R. (1984). The Occurrence of Sequence Patterns in Ergodic Markov Chains. *Stochastic Processes and Their Applications 17*, 369–373.

Bernard, V. (1987). Cross-Sectional Dependence and Problems in Inference in Market-Based Accounting Research. *Journal of Accounting Research 25*, 1–48.

Berndt, E., B. Hall, R. Hall, and J. Hausman (1974). Estimation and Inference in Nonlinear Structural Models. *Annals of Economic and Social Measurement 3*, 653–665.

Bernstein, P. (1992). *Capital Ideas: The Improbable Origins of Modern Wall Street*. Free Press, New York.

Bertsimas, D., L. Kogan, and A. Lo (1996). When Is Time Continuous? Working Paper LFE-1045-96, Massachusetts Institute of Technology Laboratory for Financial Engineering.

Bertsimas, D. and A. Lo (1996). Optimal Control of Execution Costs. Working Paper LFE-1025-96, Massachusetts Institute of Technology Laboratory for Financial Engineering, Cambridge, MA.

Bhattacharya, M. (1983). Transactions Data Tests of Efficiency of the Chicago Board Options Exchange. *Journal of Financial Economics 12*, 181–185.

Bick, A. (1990). On Viable Diffusion Price Processes of the Market Portfolio. *Journal of Finance 45*, 673–689.

Bierwag, G., G. Kaufman, and A. Toevs (1983). *Innovations in Bond Portfolio Management: Duration Analysis and Immunization*. JAI Press, Westport, CT.

Biggans, J. and C. Cannings (1987). Markov Renewal Processes, Counters and Repeated Sequences in Markov Chains. *Advances in Applied Probability 19*, 521–545.

Billingsley, P. (1968). *Convergence of Probability Measures*. John Wiley and Sons, New York.

Black, F. (1971, July–August). Toward a Fully Automated Stock Exchange. *Financial Analysts Journal July–August*, 29–44.

Black, F. (1972, July). Capital Market Equilibrium with Restricted Borrowing. *Journal of Business 45*, 444–454.

Black, F. (1976). Studies of Stock Price Volatility Changes. In *1976 Meetings of the Business and Economic Statistics Section*, pp. 177–181. American Statistical Association.

Black, F. (1993). Return and Beta. *Journal of Portfolio Management 20*, 8–18.

Black, F., E. Derman, and W. Toy (1990, January-February). A One-Factor Model of Interest Rates and Its Application to Treasury Bond Options. *Financial Analysts Journal January-February*, 33–39.

Black, F., M. Jensen, and M. Scholes (1972). The Capital Asset Pricing Model: Some Empirical Tests. In M. Jensen (Ed.), *Studies in the Theory of Capital Markets*, Praeger, New York.

Black, F. and P. Karasinski (1991, July–August). Bond and Option Pricing when Short Rates Are Lognormal. *Financial Analysts Journal July–August*, 52–59.

Black, F. and M. Scholes (1972). The Valuation of Option Contracts and a Test of Market Efficiency. *Journal of Finance 27*, 399–418.

Black, F. and M. Scholes (1973). The Pricing of Options and Corporate Liabilities. *Journal of Political Economy 81*, 637–654.

Blanchard, O. and M. Watson (1982). Bubbles, Rational Expectations and Financial Markets. In P. Wachtel (Ed.), *Crises in the Economic and Financial Structure: Bubbles, Bursts, and Shocks*, Lexington, Lexington, MA.

Blattberg, R. and N. Gonedes (1974). A Comparison of Stable and Student Distributions as Statistical Models for Stock Prices. *Journal of Business 47*, 244–280.

Blume, L., D. Easley, and M. O'Hara (1994). Market Statistics and Technical Analysis: The Role of Volume. *Journal of Finance 49*, 153–181.

Blume, M. and I. Friend (1973). A New Look at the Capital Asset Pricing Model. *Journal of Finance 28*, 19–33.

Blume, M. and I. Friend (1978). *The Changing Role of the Individual Investor*. John Wiley and Sons, New York.

Blume, M., C. MacKinlay, and B. Terker (1989). Order Imbalances and Stock Price Movements on October 19 and 20, 1987. *Journal of Finance 44*, 827–848.

Blume, M. and R. Stambaugh (1983). Biases in Computed Returns: An Application to the Size Effect. *Journal of Financial Economics 12*, 387–404.

Boehmer, E., J. Musumeci, and A. Poulsen (1991). Event-Study Methodology under Conditions of Event Induced Variance. *Journal of Financial Economics 30*, 253–272.

Boldrin, M. and M. Woodford (1990). Equilibrium Models Displaying Endogenous Fluctuations and Chaos: A Survey. *Journal of Monetary Economics 25*, 189–222.

Bollerslev, T. (1986). Generalized Autoregressive Conditional Heteroskedasticity. *Journal of Econometrics 31*, 307–327.

Bollerslev, T. (1987). A Conditional Hereroskedasric Time Series Model for Speculative Prices and Rates of Return. *Review of Economics and Statistics 69*, 542–547.

Bollerslev, T. (1990). Modelling the Coherence in Short-Run Nominal Exchange Rates: A Multivariate Generalized ARCH Approach. *Review of Economics and Statistics 72*, 498–505.

Bollerslev, T., R. Chou, and K. Kroner (1992). ARCH Modelling in Finance: A Review of the Theory and Empirical Evidence. *Journal of Econometrics 52*, 5–59.

Bollerslev, T. and R. Engle (1993). Common Persistence in Conditional Variances. *Econometrics 61*, 166–487.

Bollerslev, T., R. Engle, and D. Nelson (1994). ARCH Models. In R. Engle and D. McFadden (Eds.), *Handbook of Econometrics*, Volume IV. Elsevier, Amsterdam.

Bollerslev, T., R. Engle, and J. Wooldridge (1988). A Capital Asset Pricing Model with Time Varying Covariances. *Journal of Political Economy 96*, 116–131.

Bollerslev, T. and J. Wooldridge (1992). Quasi-Maximum Likelihood Estimation and Inference in Dynamic Models with Time Varying Covariances. *Econometric Reviews 11*, 143–172.

Bonomo, Marco, and R. Garcia (1993). Disappointment Aversion as a Solution to the Equity Premium and the Risk-Free Rate Puzzles. CRDE Discussion Paper 2793. University of Montreal.

Boudoukh, J., Richardson, R. M. Stanton, and R. Whitelaw (1995). Pricing Mortgage-Backed Securities in a Multifactor Interest Rate Environment: A Multivariate Density Estimation Approach. working paper, Stern School of Business, New York University.

Boudoukh, J., M. Richardson, and R. Whitelaw (1994). A Tale of Three Schools: Insights on Autocorrelations of Short-Horizon Stock Returns. *Review of Financial Studies 7*, 539–573.

Boudoukhn, J. and M. Richardson (1994). The Statistics of Long-Horizon Regressions Revisited. *Mathematical Finance 4*, 103–119.

Box, G. and D. Cox (1964). An Analysis of Transformations. *Journal of the Royal Statistical Society B(26)*, 211–243.

Box, G. and D. Pierce (1970). Distribution of Residual Autocorrelations in Autoregressive-Integrated Moving Average Time Series Models. *Journal of the American Statistical Association 65*, 1509–1526.

Boyle, P. (1977). Options: A Monte Carlo Approach. *Journal of Financial Economics 4*, 323–338.

Boyle, P. (1988). A Lattice Framework for Option Pricing with Two State Variables. *Journal of Financial and Quantitative Analysis*, 1–12.

Brainard, W., W. Nelson, and M. Shapiro (1991). The Consumption Beta Explains Expected Returns at Long Horizons. unpublished paper, Yale University and University of Michigan.

Branch, B. and W. Freed (1977). Bid-Asked Spreads on the AMEX and the Big Board. *Journal of Finance 32*, 159–163.

Braun, P., D. Nelson, and A. Sunier (1995). Good News, Bad News, Volatility, and Betas. *Journal of Finance 50*, 1575–1603.

Breeden, D. (1979). An Intertemporal Asset Pricing Model with Stochastic Consumption and Investment Opportunities. *Journal of Financial Economics 7*, 265–296.

Breeden, D. and R. Litzenberger (1978). Prices of State-Contingent Claims Implicit in Option Prices. *Journal of Business 51*, 621–651.

Breeden, D., G. M, and R. Litzenberger (1989). Empirical Tests of the Consumption-Oriented CAPM. *Journal of Finance 44*, 231–262.

Breen, W. and R. Korajczyk (1993). On Selection Biases in Book-to-Market Based Tests of Asset Pricing Models. Working Paper 167, Northwestern University, Evanston, IL.

Brennan, M. (1979). The Pricing of Contingent Claims in Discrete-Time Models. *Journal of Finance 34*, 53–68.

Brennan, M. and T. Copeland (1988). Stock Splits, Stock Prices, and Transaction Costs. *Journal of Financial Economics 22*, 83–101.

Brennan, M., N. Jegadeesh, and B. Swaminathan (1993). Investment Analysis and the Adjustment of Stock Prices to Common Information. *Review of Financial Studies 6*, 799–824.

Brennan, M. and E. Schwartz (1977a). Convertible Bonds: Valuation and Optimal Strategies for Call and Conversion. *Journal of Finance 32*, 1699–1715.

Brennan, M. and E. Schwartz (1977b). The Valuation of American Put Options. *Journal of Finance 32*, 449–462.

Brennan, M. and E. Schwartz (1978). Finite Difference Methods and Jump Processes Arising in the Pricing of Contingent Claims: A Synthesis. *Journal of Financial and Quantitative Analysis 13*, 461–474.

Brennan, M. and E. Schwartz (1979). A Continuous-Time Approach to the Pricing of Bonds. *Journal of Banking and Finance 3*, 133–155.

Brenner, R., R. Harjes, and K. Kroner (1996). Another Look at Alternative Models of the Short-Term Interest Rate. *Journal of Financial and Quantitative Analysis 31*, 85–107.

Brock, W. (1986). Distinguishing Random and Deterministic Systems: Abridged Version. *Journal of Economic Theory 40*, 168–195.

Brock, W., W. Dechert, and J. Scheinkman (1987). A Test for Independence Based on the Correlation Dimension. unpublished paper, University of Wisconsin at Madison, University of Houston, and University of Chicago.

Brock, W., J. Lakonishok, and B. LeBaron (1992). Simple Technical Trading Rules and the Stochastic Properties of Stock Returns. *Journal of Finance 47*, 1731–1764.

Brock, W. and C. Sayers (1988). Is The Business Cycle Characterized By Deterministic Chaos? *Journal of Monetary Economics 22*, 71–90.

Brodsky, B. (1993). *Nonparametric Methods in Change-Point Problems*. Kluwer Academic Publishers, Boston.

Bronfman, C. (1991). From Trades to Orders on the NYSE: Pitfalls in Inference Using Transactions Data. working paper, Department of Finance and Real Estate, College of Business and Public Administration, University of Arizona, Tucson, AZ.

Broomhead, D. and D. Lowe (1988). Multivariable Functional Interpolation and Adaptive Networks. *Complex Systems 2*, 321–355.

Brown, D. and R. Jennings (1989). On Technical Analysis. *Review of Financial Studies 2*, 527–552.

Brown, R. and S. Schaefer (1991). Interest Rate Volatility and the Term Structure. unpublished paper, London Business School.

Brown, R. and S. Schaefer (1994). The Term Structure of Real Interest Rates and the Cox, Ingersoll, and Ross Model. *Journal of Financial Economics 35*, 3–42.

Brown, S. and P. Dybvig (1986). The Empirical Implications of the Cox, Ingersoll, Ross Theory of the Term Structure of Interest Rates. *Journal of Finance 41*, 617–632.

Brown, S., W. Goetzmann, and S. Ross (1995). Survival. *Journal of Finance 50*, 853–873.

Brown, S. and J. Warner (1980). Measuring Security Price Performance. *Journal of Financial Economics 8*, 205–258.

Brown, S. and J. Warner (1985). Using Daily Stock Returns: The Case of Event Studies. *Journal of Financial Economics 14*, 3–31.

Brown, S. and M. Weinstein (1985). Derived Factors in Event Studies. *Journal of Financial Economics 14*, 491–495.

Burnside, C. (1994). Hansen-Jagannathan Bounds as Classical Tests of Asset Pricing Models. *Journal of Business and Economic Statistics 12*, 57–79.

Campbell, C. and C. Wasley (1993). Measuring Security Price Performance Using Daily NASDAQ Returns. *Journal of Financial Economics 33*, 73–92.

Campbell, J. (1986). Bond and Stock Returns in a Simple Exchange Model. *Quarterly Journal of Economics 101*, 785–803.

Campbell, J. (1987). Stock Returns and the Term Structure. *Journal of Financial Economics 18*, 373–399.

Campbell, J. (1991). A Variance Decomposition for Stock Returns. *Economic Journal 101*, 157–179.

Campbell, J. (1993a). Intertemporal Asset Pricing without Consumption Data. *American Economic Review 83*, 487–512.

Campbell, J. (1993b). Why Long Horizons? A Study of Power against Persistent Alternatives. unpublished paper, Princeton University.

Campbell, J. (1995). Some Lessons from the Yield Curve. *Journal of Economic Perspectives 9(3)*, 129–152.

Campbell, J. (1996a). Understanding Risk and Return. *Journal of Political Economy 104*, 298–345.

Campbell, J. (1996b). Consumption and the Stock Market: Interpreting International Evidence. NBER Working Paper 5610, National Bureau of Economic Research, Cambridge, MA.

Campbell, J. and J. Ammer (1993). What Moves the Stock and Bond Markets? A Variance Decomposition for Long-Term Asset Returns. *Journal of Finance 48*, 3–37.

Campbell, J. and J. Cochrane (1995). By Force of Habit: A Consumption-Based Explanation of Aggregate Stock Market Behavior. unpublished paper, Harvard University and University of Chicago.

Campbell, J., S. Grossman, and J. Wang (1993). Trading Volume and Serial Correlation in Stock Returns. *Quarterly Journal of Economics 108*, 905–939.

Campbell, J. and L. Hentschel (1992). No News Is Good News: An Asymmetric Model of Changing Volatility in Stock Returns. *Journal of Financial Economics 31*, 281–318.

Campbell, J. and H. Koo (1996). A Comparison of Numerical and Analytical Approximate Solutions to an Intertemporal Consumption Choice Problem. *Journal of Economic Dynamics and Control*, forthcoming.

Campbell, J. and A. Kyle (1993). Smart Money, Noise Trading, and Stock Price Behavior. *Review of Economic Studies 60*, 1–34.

Campbell, J. and N. G. Mankiw (1987). Are Output Fluctuations Transitory? *Quarterly Journal of Economics 102*, 857–880.

Campbell, J. and N. G. Mankiw (1990). Permanent Income, Current Income, and Consumption. *Journal of Business and Economic Statistics 8*, 265–278.

Campbell, J. and P. Perron (1991). Pitfalls and Opportunities: What Macroeconomists Should Know about Unit Roots. *NBER Macroeconomics Annual 6*, 141–201.

Campbell, J. and R. Shiller (1987). Cointegration and Tests of Present Value Models. *Journal of Political Economy 95*, 1062–1087.

Campbell, J. and R. Shiller (1988a). The Dividend-Price Ratio and Expectations of Future Dividends and Discount Factors. *Review of Financial Studies 1*, 195–227.

Campbell, J. and R. Shiller (1988b). Stock Prices, Earnings, and Expected Dividends. *Journal of Finance 43*, 661–676.

Campbell, J. and R. Shiller (1991). Yield Spreads and Interest Rate Movements: A Bird's Eye View. *Review of Economic Studies 58*, 495–514.

Campbell, J. and R. Shiller (1996). A Scorecard for Indexed Government Debt. *NBER Macroeconomics Annual*, forthcoming.

Carleton, W. and I. Cooper (1976). Estimation and Uses of the Term Structure of Interest Rates. *Journal of Finance 31*, 1067–1083.

Carlstein, E., H. Muller, and D. Siegmund (Eds.) (1994). *Change-Point Problems*. Institute of Mathematical Statistics, Hayward, CA.

Carverhill, A. (1988). *Numerical Methods in Pricing*. Preprint 88/1, Financial Options Research Centre, University of Warwick, UK.

Carverhill, A. and N. Webber (1988). *American Options: Validation of Numerical Methods*. Preprint 88/2, Financial Options Research Centre, University of Warwick, UK.

Cecchetti, S., P. Lam, and N. Mark (1990). Mean Reversion in Equilibrium Asset Prices. *American Economic Review 80*, 398–418.

Cecchetti, S., P. Lam, and N. Mark (1994). Testing Volatility Restrictions on Intertemporal Marginal Rates of Substitution Implied by Euler Equations and Asset Returns. *Journal of Finance 49*, 123–152.

Chamberlain, G. (1983a). Funds, Factors, and Diversification in Arbitrage Pricing Models. *Econometrica 51*, 1305–1323.

Chamberlain, G. (1983b). A Characterization of the Distributions that Imply Mean-Variance Utility Functions. *Journal of Economic Theory 29*, 1985–201.

Chamberlain, G. and M. Rothschild (1983). Arbitrage, Factor Structure, and Mean-Variance Analysis on Large Asset Markets. *Econometrica 51*, 1281–1304.

Chan, K. (1988). On the Contrarian Investment Strategy. *Journal of Business 61*, 147–163.

Chan, K., N. Chen, and D. Hsieh (1985). An Exploratory Investigation of the Firm Size Effect. *Journal of Financial Economics 14*, 451–472.

Chan, K., W. Christie, and P. Schultz (1995). Market Structure and the Intraday Evolution of Bid-Ask Spreads for NASDAQ Securities. *Journal of Business 68*, 35–60.

Chan, K., C. Karolyi, F. Longstaff, and A. Sanders (1992). An Empirical Comparison of Alternative Models of the Short-Term Interest Rate. *Journal of Finance 47*, 1209–1227.

Chan, L. and J. Lakonishok (1993a). Are the Reports of Beta's Death Premature? *Journal of Portfolio Management 19*, 51–62.

Chan, L. and J. Lakonishok (1993b). Institutional Trades and Intra-Day Stock Price Behavior. *Journal of Financial Economics 33*, 173–199.

Chan, L. and J. Lakonishok (1995). The Behavior of Stock Prices around Institutional Trades. *Journal of Finance 50*, 1147–1174.

Chen, H. (1991a). Estimation of a Projection-Pursuit Type Regression Model. *Annals of Statistics 19*, 142–157.

Chen, N. (1983). Some Empirical Tests of Arbitrage Pricing. *Journal of Finance 38*, 1393–1414.

Chen, N. (1991b). Financial Investment Opportunities and the Macro-economy. *Journal of Finance 46*, 529–554.

Chen, N. and J. Ingersoll (1983). Exact Pricing in Linear Factor Models with Finitely Many Assets. *Journal of Finance 38*, 985–988.

Chen, N., R. Roll, and S. Ross (1986). Economic Forces and the Stock Market. *Journal of Business 59*, 383–403.

Chiras, D. and S. Manaster (1978). The Information Content of Option Prices and a Test of Market Efficiency. *Journal of Financial Economics 6*, 213–234.

Cho, D. and E. Frees (1988). Estimating the Volatility of Discrete Stock Prices. *Journal of Finance 43*, 451–466.

Choi, J., D. Salandro, and K. Shastri (1988). On the Estimation of Bid-Ask Spreads: Theory and Evidence. *Journal of Financial and Quantitative Analysis 23*, 219–230.

Christie, A. (1982). The Stochastic Behavior of Common Stock Variances: Value, Leverage, and Interest Rate Effects. *Journal of Financial Economics 10*, 407–432.

Christie, W., J. Harris, and P. Schultz (1994). Why Did NASDAQ Market Makers Stop Avoiding Odd-Eighth Quotes? *Journal of Finance 49*, 1841–1860.

Christie, W. and P. Schultz (1994). Why Do NASDAQ Market Makers Avoid Odd-Eighth Quotes? *Journal of Finance 49*, 1813–1840.

Chung, C. and A. Goldberger (1984). Proportional Projects in Limited Dependent Variables Models. *Econometrica 52*, 531–534.

Chung, K. and R. Williams (1990). *Introduction to Stochastic Integration* (2 ed.). Birkhäuser, Boston, MA.

Clark, P. (1973). A Subordinated Stochastic Process Model with Finite Variance for Speculative Prices. *Econometrica 41*, 135–156.

Clewlow, L. (1990). *Finite Difference Techniques for One and Two Dimensional Option Valuation Problems*. Preprint 90/10, Financial Options Research Centre, University of Warwick, UK.

Cochrane, J. (1988). How Big Is the Random Walk in GNP? *Journal of Political Economy 96*, 893–920.

Cochrane, J. (1991). Volatility Tests and Efficient Markets: A Review Essay. *Journal of Monetary Economics 27*, 463–487.

Cochrane, J. and L. Hansen (1992). Asset Pricing Explorations for Macroeconomics. In *NBER Macroeconomics Annual 1992*, pp. 115–165. Massachusetts Institute of Technology Press, Cambridge, MA.

Cohen, K., G. Hawawini, S. Maier, R. Schwartz, and D. Whitcomb (1983a). Estimating and Adjusting for the Intervalling-Effect Bias in Beta. *Management Science 29*, 135–148.

Cohen, K., G. Hawawini, S. Maier, R. Schwartz, and D. Whitcomb (1983b). Friction in the Trading Process and the Estimation of Systematic Risk. *Journal of Financial Economics 12*, 263–278.

Cohen, K., S. Maier, R. Schwartz, and D. Whitcomb (1978). The Returns Generation Process, Returns Variance, and the Effect of Thinness in Securities Markets. *Journal of Finance 33*, 149–167.

Cohen, K., S. Maier, R. Schwartz, and D. Whitcomb (1979). On the Existence of Serial Correlation in an Efficient Securities Market. *TIMS Studies in the Management Sciences 11*, 151–168.

Cohen, K., S. Maier, R. Schwartz, and D. Whitcomb (1981). Transaction Costs, Order Placement Strategy and Existence of the Bid-Ask Spread. *Journal of Political Economy 89*, 281–305.

Cohen, K., S. Maier, R. Schwartz, and D. Whitcomb (1986). *The Microstructure of Securities Markets*. Prentice-Hall, Englewood Cliffs, NJ.

Collins, D. and W. Dent (1984). A Comparison of Alternative Testing Methodologies Used In Capital Market Research. *Journal of Accounting Research 22*, 48–84.

Connor, G. (1984). A Unified Beta Pricing Theory. *Journal of Economic Theory 34*, 13–31.

Connor, G. and R. Korajczyk (1986). Performance Measurement with the Arbitrage Pricing Theory: A New Framework for Analysis. *Journal of Financial Economics 15*, 373–394.

Connor, G. and R. Korajczyk (1988). Risk and Return in an Equilibrium APT: Application of a New Test Methodology. *Journal of Financial Economics 21*, 255–290.

Connor, G. and R. Korajczyk (1993). A Test for the Number of Factors in an Approximate Factor Structure. *Journal of Finance 48*, 1263–1291.

Conrad, J., G. Kaul, and M. Nimalendran (1991). Components of Short-Horizon Individual Security Return. *Journal of Financial Economics 29*, 365–384.

Conrad, J. and G. Maul (1993). Long-Term Market Overreaction or Biases in Computed Returns? *Journal of Finance 48*, 39–63.

Constantinides, G. (1982). Intertemporal Asset Pricing with Heterogeneous Consumers and without Demand Aggregation. *Journal of Business 55*, 253–268.

Constantinides, G. (1986). Capital Market Equilibrium with Transaction Costs. *Journal of Political Economy 94*, 842–862.

Constantinides, G. (1990). Habit Formation: A Resolution of the Equity Premium Puzzle. *Journal of Political Economy 98*, 519–543.

Constantinides, G. (1992). A Theory of the Nominal Term Structure of Interest Rates. *Review of Financial Studies 5*, 531–552.

Constantinides, G. and D. Duffie (1996). Asset Pricing with Heterogeneous Consumers. *Journal of Political Economy 104*, 219–240.

Cootner, P. (Ed.) (1964). *The Random Character of Stock Market Prices*. Massachusetts Jnstitute of Technology Press, Cambridge, MA.

Copeland, T. and D. Galai.

Corrado, C. (1989). A Nonparametric Test for Abnormal Security Price Performance in Event Studies. *Journal of Financial Economics 23*, 385–395.

Courtadon, G. (1982). A More Accurate Finite Difference Approximation for the Valuation of Options. *Journal of Financial and Quantitative Analysis 17*, 697–703.

Cowles, A. (1933). Can Stock Market Forecasters Forecast? *Econometrica 1*, 309–324.

Cowles, A. (1960). A Revision of Previous Conclusions Regarding Stock Price Behavior. *Econometrica 28*, 909–915.

Cowles, A. and H. Jones (1937). Some A Posteriori Probabilities in Stock Market Action. *Econometrica 5*, 280–294.

Cox, D. and H. Miller (1965). *The Theory of Stochastic Processes*. Chapman and Hall, London.

Cox, J. (1975). Notes on Option Pricing I: Constant Elasticity of Variance Diffusions. unpublished lecture notes, Graduate School of Business, Stanford University.

Cox, J., J. Ingersoll, and S. Ross (1981a). A Reexamination of Traditional Hypotheses about the Term Structure of Interest Rates. *Journal of Finance 36*, 769–799.

Cox, J., J. Ingersoll, and S. Ross (1981b). The Relation between Forward Prices and Futures Prices. *Journal of Financial Economics 9*, 321–346.

Cox, J., J. Ingersoll, and S. Ross (1985a). A Theory of the Term Structure of Interest Rates. *Econometrica 53*, 385–408.

Cox, J., J. Ingersoll, and S. Ross (1985b). An Intertemporal General Equilibrium Model of Asset Prices. *Econometrica 53*, 363–384.

Cox, J. and S. Ross (1976). The Valuation of Options for Alternative Stochastic Processes. *Journal of Financial Economics 3*, 145–166.

Cox, J., S. Ross, and M. Rubinstein (1979). Option Pricing: A Simplified Approach. *Journal of Financial Economics 7*, 229–264.

Cox, J. and M. Rubinstein (1985). *Options Markets*. Prentice-Hall, Englewood Cliffs, New Jersey.

Crack, T. and O. Ledoit (1996). Robust Structure Without Predictability: The 'Compass Rose' Pattern of the Stock Market. *Journal of Finance 51*, 751–762.

Craig, S., J. Kohiase, and D. Papell (1991). Chaos Theory and Microeconomics: An Application to Model Specification and Hedonic Estimation. *Review of Economics and Statistics 73*, 208–215.

Cumby, R. and D. Modest (1987). Testing for Market Timing Ability: A Framework for Forecast Evaluation. *Journal of Financial Economics 19*, 169–190.

Cutler, D., J. Poterba, and L. Summers (1991). Speculative Dynamics. *Review of Economic Studies 58*, 529–546.

Cybenko, C. (1989). Approximation by Superpositions of a Sigmoidal Function. *Mathematics of Control, Signals, and Systems 2*, 303–314.

Dann, L. and C. James (1982). An Analysis of the Impact of Deposit Rate Ceilings on the Market Values of Thrift Institutions. *Journal of Finance 37*, 1259–1275.

David, F. and D. Barton (1962). *Combinatorial Chance*. Hafner, New York.

Davies, R. and D. Harte (1987). Tests for Hurst Effect. *Biometrika 74*, 95–101.

Davis, D. and C. Holt (1993). *Experimental Economics*. Princeton University Press, Princeton, NJ.

Davis, M. and A. Norman (1990). Portfolio Selection with Transaction Costs. *Mathematics of Operations Research 15*, 676–713.

Day, R. (1983). The Emergence of Chaos from Classical Economic Growth. *Quarterly Journal of Economics 98*, 201–214.

Deaton, A. and M. Irish (1984). Statistical Models for Zero Expenditures in Household Budgets. *Journal of Public Economics 23*, 59–80.

Debreu, G. (1959). *Theory of Value*. John Wiley and Sons, New York.

Defiondt, W. and R. Thaler (1985). Does the Stock Market Overreact? *Journal of Finance 40*, 793–805.

Defiondt, W. and R. Thaler (1987). Further Evidence on Investor Overreaction and Stock Market Seasonality. *Journal of Finance 42*, 557–582.

DeLong, B., A. Shleifer, L. Summers, and R. Waldmann (1990a). Positive Feedback Investment Strategies and Destabilizing Speculation. *Journal of Finance 45*, 379–396.

DeLong, B., A. Shleifer, L. Summers, and R. Waldmann (1990b). Noise Trader Risk in Financial Markets. *Journal of Political Economy 98*, 703–738.

Demsetz, H. (1968). The Cost of Transacting. *Quarterly Journal of Economics 82*, 33–53.

Derman, E. and I. Kani (1994, February). Riding on the Smile. *RISK 7*, 32–39.

Dhrymes, P., I. Friend, B. Gultekin, and M. Gultekin (1984). A Critical Reexamination of the Empirical Evidence on the Arbitrage Pricing Theory. *Journal of Finance 39*, 323–346.

Diaconis, P. (1988). *Group Representations in Probability and Statistics*. Institute of Mathematical Statistics, Hayward, CA.

Diaconis, P. and M. Shahshahani (1984). On Nonlinear Functions of Linear Combinations. *SIAM Journal on Scientific and Statistical Computing 5(1)*, 175–191.

Diamond, P. (1965). National Debt in a Neoclassical Growth Model. *American Economic Review 55*, 1126–1150.

Diba, B. and H. Grossman (1988). The Theory of Rational Bubbles in Stock Prices. *Economic Journal 98*, 746–757.

Dickey, D. and W. Fuller (1979). Distribution of the Estimators for Autoregressive Time Series with a Unit Root. *Journal of the American Statistical Association 74*, 427–431.

Dimson, E. (1979). Risk Measurement When Shares Are Subject to Infrequent Trading. *Journal of Financial Economics 7*, 197–226.

Ding, Z., C. Granger, and R. Engle (1993). A Long Memory Property of Stock Returns and a New Model. *Journal of Empirical Finance 1*, 83–106.

Dolley, J. (1933). Characteristics and Procedure of Common Stock Split-Ups. *Harvard Business Review*, 316–326.

Donaldson, R. and M. Kamstra (1996). A New Dividend Forecasting Procedure that Rejects Bubbles in Asset Prices: The Case of 1929's Stock Crash. *Review of Financial Studies 9*, 333–383.

Donoho, D. and I. Johnstone (1989). Projection-Based Approximation and A Duality with Kernel Methods. *Annals of Statistics 17*, 58–106.

Duffie, D. (1992). *Dynamic Asset Pricing Theory*. Princeton University Press, Princeton, NJ.

Duffie, D. and C. Huang (1985). Implementing Arrow-Debreu Equilibria by Continuous Trading of Few Long-Lived Securities. *Econometrica 53*, 1337–1356.

Duffie, D. and R. Kin (1993). A Yield-Factor Model of Interest Rates. unpublished paper, Stanford University.

Dufour, J. (1981). Rank Tests for Serial Dependence. *Journal of Time Series Analysis 2*, 117–128.

Dufour, J. and R. Roy (1985). Some Robust Exact Results on Sample Autocorrelations and Tests of Randomness. *Journal of Econometrics 29*, 257–273.

Dunn, K. and K. Singleton (1986). Modelling the Term Structure of Interest Rates under Habit Formation and Durability of Goods. *Journal of Financial Economics 17*, 27–55.

Dupire, B. (1994, January). Pricing with a Smile. *RISK 7*, 18–20.

Durlauf, S. and R. Hall (1989). Measuring Noise in Stock Prices. unpublished paper, Stanford University.

Durlauf, S. and P. Phillips (1988). Trends versus Random Walks in Time Series Analysis. *Econometrica 56*, 1333–1357.

Dybvig, P. (1985). An Explicit Bound on Individual Assets' Deviations from APT Pricing in a Finite Economy. *Journal of Financial Economics 12*, 483–496.

Dybvig, P. (1989). Bond and Bond Option Pricing Based on the Current Term Structure. unpublished paper, Washington University.

Dybvig, P. and J. Ingersoll (1982). Mean-Variance Theory in Complete Markets. *Journal of Business 55*, 233–252.

Dybvig, P., J. J. Ingersoll, and S. Ross (1996). Long Forward and Zero-Coupon Rates Can Never Fall. *Journal of Business 69*, 1–25.

Dybvig, P. and S. Ross (1985). Yes, The APT Is Testable. *Journal of Finance 40*, 1173–1188.

Eastey, D. and M. O'Hara (1987). Price, Trade Size, and Information in Securities Markets. *Journal of Financial Economics 19*, 69–90.

Eastey, D. and M. O'Hara (1992). Time and the Process of Security Price Adjustment. *Journal of Finance 47*, 577–605.

Eberlein, E. and M. Taqqu (1986). *Dependence in Probability and Statistics: A Survey of Rrcent Result, Progress in Probability and Statistics*, Volume 11. Birkhäuser, Boston.

Eckbo, B. (1983). Horizontal Mergers, Collusion, and Stockholder Wealth. *Journal of Financial Economics 11*, 241–276.

Eckbo, E., V. Maksimovic, and J. Williams (1990). Consistent Estimation of Cross-Sectional Models in Event-Studies. *Review of Financial Studies 3(3)*, 343–365.

Edwards, R. and J. Magee (1966). *Technical Analysis of Stock Trends* (revised 5th ed.). John Magee, Boston.

Eichenbaum, M., L. Hansen, and K. Singleton (1988). A Time Series Analysis of Representative Agent Models of Consumption and Leisure Choice under Uncertainty. *Quarterly Journal of Economics 103*, 51–78.

Eikeboom, A. (1993). The Dynamics of the Bid-Ask Spread. working paper Sloan School of Management, Massachusetts Institute of Technology, Cambridge, MA.

Einstein, A. (1905). Ueber die von der molekular-kinetischen Theorie der Wärme geforderte Bewegung von in ruhenden Flüssigkeiten suspendierten Teilchen. *Annalen der Physik 17*, 549–560.

Engle, R. (1982). Autoregressive Conditional Heteroskedasticity with Estimates of the Variance of UK inflation. *Econometrica 50*, 987–1008.

Engle, R. (1984). Wald, Likelihood Ratio, and Lagrange Multiplier Tests in Econometrics. In Z. Griliches and M. Intriligator (Eds.), *Handbook of Econometrics*, Volume II, Chapter 13. North-Holland, Amsterdam.

Engle, R. and G. Gonzalez-Rivera (1991). Semiparametric ARCH Models. *Journal of Business and Economic Statistics 9*, 345–359.

Engle, R. and C. Granger (1987). Cointegration and Error-Correction: Representation, Estimation, and Testing. *Econometrica 55*, 251–276.

Engle, R. and K. Kroner (1995). Multivariate Simultaneous Generalized ARCH. *Econometric Theory 11*, 122–150.

Engle, R., D. Lilien, and R. Robins (1987). Estimating Time-Varying Risk Premia in the Term Structure: The ARCH-M Model. *Econometrica 55*, 391–407.

Engle, R. and V. Ng (1993). Measuring and Testing the impact of News on Volatility. *Journal of Finance 48*, 1749–1778.

Engle, R., V. Ng, and M. Rothschild (1990). Asset Pricing with a Factor ARCH Covariance Structure: Empirical Estimates for Treasury Bills. *Journal of Econometrics 45*, 213–238.

Epstein, L. and S. Zin (1989). Substitution, Risk Aversion, and the Temporal Behavior of Consumption and Asset Returns: A Theoretical Framework. *Econometrica 57*, 937–968.

Epstein, L. and S. Zin (1990). First-Order Risk Aversion and the Equity Premium Puzzle. *Journal of Monetary Economics 26*, 387–407.

Epstein, L. and S. Zin (1991). Substitution, Risk Aversion, and the Temporal Behavior of Consumption and Asset Returns: An Empirical Investigation. *Journal of Political Economy 99*, 263–286.

Estrella, A. and G. Hardouvelis (1991). The Term Structure as a Predictor of Real Economic Activity. *Journal of Finance 46*, 555–576.

Eytan, T. and G. Harpaz (1986). The Pricing of Futures and Options Contracts on the Value Line Index. *Journal of Finance 41*, 843–856.

Fabozzi, F. (1996). *Bond Markets, Analysis and Strategies* (3 ed.). Prentice-Hall, Upper Saddle River, NJ.

Fabozzi, F. and T. Fabozzi (1995). *The Handbook of Fixed-Income Securities* (4 ed.). Irwin, Burr Ridge, IL.

Fama, E. (1965). The Behavior of Stock Market Prices. *Journal of Business 38*, 34–105.

Fama, E. (1970). Efficient Capital Markets: A Review of Theory and Empirical Work. *Journal of Finance 25*, 383–417.

Fama, E. (1975). Short-Term Interest Rates as Predictors of Inflation. *American Economic Review 65*, 269–282.

Fama, E. (1976). *Foundations of Finance*. Basic Books, New York.

Fama, E. (1984). The Information in the Term Structure. *Journal of Financial Economics 13*, 509–521.

Fama, E. (1990). Term-Structure Forecasts of Interest Rates, Inflation, and Real Returns. *Journal of Monetary Economics 25*, 59–76.

Fama, E. (1991). Efficient Capital Markets: II. *Journal of Finance 46*, 1575–1618.

Fama, E. (1993). Multifactor Portfolio Efficiency and Multifactor Asset Pricing Models. working paper, CRSP, University of Chicago, Chicago, IL.

Fama, E. and R. Bliss (1987). The Information in Long-Maturity Forward Rate. *American Economic Review 77*, 680–692.

Fama, E. and M. Blume (1966). Filter Rules and Stock Market Trading Profit. *Journal of Business 39*, 226–241.

Fama, E., L. Fisher, M. Jensen, and R. Roll (1969). The Adjustment of Stock Prices to New Information. *International Economic Review 10*, 1–21.

Fama, E. and K. French (1988a). Dividend Yields and Expected Stock Return. *Journal of Financial Economics 22*, 3–27.

Fama, E. and K. French (1988b). Permanent and Temporary Components of Stock Prices. *Journal of Political Economy 96*, 246–273.

Fama, E. and K. French (1989). Business Conditions and Expected Returns on Stocks and Bonds. *Journal of Financial Economics 25*, 23–49.

Fama, E. and K. French (1992). The Cross-Section of Expected Stock Returns. *Journal of Finance 47*, 427–465.

Fama, E. and K. French (1993). Common Risk Factors in the Returns on Stocks and Bonds. *Journal of Financial Economics 33*, 3–56.

Fama, E. and K. French (1996a). Multifactor Explanations of Asset Pricing Anomalies. *Journal of Finance 51*, 55–84.

Fama, E. and K. French (1996b). The CAPM Is Wanted, Dead or Alive. *Journal of Finance*, forthcoming.

Fama, E. and J. MacBeth (1973). Risk, Return, and Equilibrium: Empirical Tests. *Journal of Political Economy 71*, 6O7–636.

Fama, E. and R. Roll (1971). Parameter Estimates for Symmetric Stable Distributions. *Journal of the American Statistical Association 66*, 331–338.

Fang, K. and Y. Wang (1994). *Number-Theoretic Methods in Statistics*. Chapman and Hall, London.

Faust, J. (1992). When Are Variance Ratio Tests For Serial Dependence Optimal? *Econometrica 60*, 1215–1226.

Feller, W. (1968). *An introduction to Probability Theory and Its Applications*. John Wiley and Sons, New York.

Ferson, W. and C. Constantinides (1991). Habit Persistence and Durability in Aggregate Consumption: Empirical Tests. *Journal of Financial Economics 29*, 199–240.

Ferson, W. and S. Foerster (1994). Finite Sample Properties of the Generalized Method of Moments in Tests of Conditional Asset Pricing Models. *Journal of Financial Economics 36*, 29–55.

Fielitz, B. (1976). Further Results on Asymmetric Stable Distributions of Stock Prices Changes. *Journal of Financial and Quantitative Analysis 11*, 39–55.

Fielitz, B. and J. Rozell (1983). Stable Distributions and Mixtures of Distributions Hypotheses for Common Stock Returns. *Journal of the American Statistical Association 78*, 28–36.

Fisher, L. (1966). Some New Stock Market Indexes. *Journal of Business 39*, 191–225.

Fishman, G. (1996). *Monte Carlo: Concepts, Algorithms, and Applications*. Springer-Verlag, New York.

Flavin, M. (1983). Excess Volatility in the Financial Markets: A Reassessment of the Empirical Evidence. *Journal of Political Economy 91*, 929–956.

Frankel, J., G. Galli, and A. Giovannini (Eds.) (1996). *The Microstructure of Foreign Exchange Markets (NBER Conference Report)*. University of Chicago Press, Chicago, IL.

French, K. and R. Roll (1986). Stock Return Variances: The Arrival of Information and the Reaction of Traders. *Journal of Financial Economics 17*, 5–26.

French, K., G. Schwert, and R. Stambaugh (1987). Expected Stock Returns and Volatility. *Journal of Financial Economics 19*, 3–30.

Friedman, J. and W. Stuetzle (1981, December). Projection Pursuit Regression. *Journal of the American Statistical Association 76(376)*.

Friend, I. and M. Blume (1975). The Demand for Risky Assets. *American Economic Review 65*, 900–922.

Froot, K. (1989). New Hope for the Expectations Hypothesis of the Term Structure of Interest Rates. *Journal of Finance 44*, 283–305.

Froot, K. and M. Obstfeld (1991). Intrinsic Bubbles: The Case of Stock Prices. *American Economic Review 81*, 1189–1217.

Fuller, W. (1976). *Introduction to Statistical Time Series*. Wiley, New York.

Furbush, D. and J. Smith (1996). Quoting Behavior on NASDAQ: The Determinants of Clustering and Relative Spreads. Economists Inc., Washington, D.C.

Galai, D. (1977). Tests of Market Efficiency of the Chicago Board Options Exchange. *Journal of Business 50*, 167–197.

Galai, D. (1978). Empirical Tests of Boundary Conditions for CBOE Options. *Journal of Financial Economics 6*, 187–211.

Gallant, A. (1987). *Nonlinear Statistical Models*. John Wiley and Sons, New York.

Gallant, A. and H. White (1992). On Learning the Derivatives of an Unknown Mapping with Multilayer Feedforward Networks. *Neural Networks 5*, 128–138.

Gallant, R., P. Rossi, and G. Tauchen (1991). Stock Prices and Volume. *Review of Financial Studies 5*, 199–242.

Garber, P. (1989). Tulipmania. *Journal of Political Economy 97*, 535–560.

Garman, M. (1976a). Market Microstructure. *Journal of Financial Economics 3*, 257–275.

Garman, M. (1976b). A General Theory of Asset Valuation under Diffusion State Processes. Working Paper 50, University of California, Berkeley.

Garman, M. (1978). The Pricing of Supershares. *Journal of Financial Economics 6*, 3–10.

Garman, M. and M. Klass (1980). On the Estimation of Security Price Volatilities from Historical Data. *Journal of Business 53*, 67–78.

George, T., G. Kaul, and M. Nimalendran (1991). Estimation of the Bid-Ask Spread and Its Components: A New Approach. *Review of Financial Studies 4*, 23–656.

Gerber, H. and S. Li (1981). The Occurrence of Sequence Patterns in Repeated Experiments and Hitting Times in a Markov Chain. *Stochastic Processes and Their Applications 11*, 101–108.

Geske, R. and K. Shastri (1985). Valuation by Approximation: A Comparison of Option Valuation Techniques. *Journal of Financial and Quantitative Analysis 20*, 45–72.

Gibbons, M. (1982). Multivariate Tests of Financial Models: A New Approach. *Journal of Financial Economics 10*, 3–27.

Gibbons, M. and W. Ferson (1985). Testing Asset Pricing Models with Changing Expectations and an Unobservable Market Portfolio. *Journal of Financial Economics 14*, 217–236.

Gibbons, M. and K. Ramaswamy (1993). A Test of the Cox, Ingersoll, and Ross Model of the Term Structure. *Review of Financial Studies 6*, 619–658.

Gibbons, M., S. Ross, and J. Shanken (1989). A Test of the Efficiency of a Given Portfolio. *Econometrica 57*, 1121–1152.

Gilles, C. and S. LeRoy (1991). Econometric Aspects of the Variance Bounds Tests: A Survey. *Review of Financial Studies 4*, 753–791.

Giovannini, A. and P. Weil (1989). Risk Aversion and Intertemporal Substitution in the Capital Asset Pricing Model. Working Paper 2824, NBER, Cambridge, MA.

Gleick, J. (1987). *Chaos: Making a New Science*. Viking Penguin Inc., New York.

Glosten, L. (1987). Components of the Bid-Ask Spread and the Statistical Properties of Transaction Prices. *Journal of Finance 42*, 1293–1307.

Glosten, L. and L. Harris (1988). Estimating the Components of the Bid/Ask Spread. *Journal of Financial Economics 21*, 123–142.

Glosten, L., R. Jagannathan, and D. Runkle (1993). On the Relation Between the Expected Value and the Volatility of the Nominal Excess Return on Stocks. *Journal of Finance 48*, 1779–1801.

Glosten, L. and P. Milgrom (1985). Bid, Ask and Transaction Prices in a Specialist Market with Heterogeneously informed Traders. *Journal of Financial Economics 14*, 71–100.

Godek, R. (1996). Why NASDAQ Market Makers Avoid Odd-Eighth Quotes. *Journal of Financial Economics 41*, 465–474.

Goldenberg, D. (1991). A Unified Method for Pricing Options on Diffusion Processes. *Journal of Financial Economics 29*, 3–34.

Goldman, B., H. Sosin, and M. Gatto (1979). Path Dependent Options: 'Buy at the Low, Sell at the High'. *Journal of Finance 34*, 1111–1127.

Goldman, B., H. Sosin, and L. Shepp (1979). On Contingent Claims that Insure Ex-Post Optimal Stock Market Timing. *Journal of Finance 34*, 401–414.

Goldstein, M. (1993). Bid-Ask Spreads on US. Equity Markets. Unpublished Ph.D. dissertation, Wharton School, University of Pennsylvania.

Goodhart, C. and R. Curcio (1990). Asset Price Discovery and Price Clustering in the Foreign Exchange Market. unpublished working paper, London School of Economics.

Gordon, M. (1962). *The Investment, Financing, and Valuation of the Corporation*. Irwin, Homewood, IL.

Gottlieb, G. and A. Kalay (1985). Implications of the Discreteness of Observed Stock Prices. *Journal of Finance 40*, 135–154.

Gourieroux, C., A. Monfort, and A. Trognon (1985). A General Approach to Serial Correlation. *Econometric Theory 1*, 315–340.

Gourlay, A. and S. McKee (1977). The Construction of Hopscotch Methods for Parabolic and Elliptic Equations in Two Space Dimensions with a Mixed Derivative. *Journal of Computational and Applied Mathematics*, 201–206.

Graham, R., D. Knuth, and O. Patashnik (1989). *Concrete Mathematics: A Foundation for Computer Science*. Addison-Wesley, Reading, MA.

Grandmont, J. and P. Malgrange (1986). Introduction to Nonlinear Economic Dynamics. *Journal of Economic Theory 40*, 3–12.

Granger, C. (1966). The Typical Spectral Shape of an Economic Variable. *Econometrica 34*, 150–161.

Granger, C. (1969). Investigating Causal Relations by Econometric Models and Cross Spectral Methods. *Econometrica 37*, 421–438.

Granger, C. (1980). Long Memory Relationships and the Aggregation of Dynamic Models. *Journal of Econometrics 14*, 227–238.

Granger, C. and A. Andersen (1978). *An Introduction to Bilinear Time Series Models*. Vandenhoeck and Ruprecht, Göttingen.

Granger, C. and R. Joyeux (1980). An Introduction to Long Memory Time Series Models and Fractional Differencing. *Journal of Time Series Analysis 1*, 15–29.

Granger, C. and O. Morgenstern (1963). Spectral Analysis of New York Stock Market Prices. *Kyklos 16*, 1–27.

Granger, C. and O. Morgenstern (1970). *Predictability of Stock Market Prices*. Heath-Lexington, Lexington, MA.

Granito, M. (1984). *Bond Portfolio Immunization*. Lexington, Lexington, MA.

Grassberger, P. and I. Procaccia (1983). Measuring the Strangeness of Strange Attractors. *Physica 90*, 189–208.

Gray, S. (1996). Modeling the Conditional Distribution of Interest Rates as a Regime-Switching Process. *Journal of Financial Economics 42*, 27–62.

Grinblatt, M. and S. Titman (1985). Factor Pricing in a Finite Economy. *Journal of Financial Economics 12*, 497–507.

Grossman, S. (1989). *The Informational Role of Prices*. Massachusetts Institute of Technology Press, Cambridge, MA.

Grossman, S., A. Melino, and R. Shiller (1987). Estimating the Continuous Time Consumption Based Asset Pricing Model. *Journal of Business and Economic Statistics 5*, 315–328.

Grossman, S., M. Miller, D. Fischel, K. Cone, and D. Ross (1995). Clustering and Competition in Asset Markets. Lexecon Inc. Report.

Grossman, S. and R. Shiller (1981). The Determinants of the Variability of Stock Market Prices. *American Economic Review 71*, 222–227.

Grossman, S. and R. Shiller (1982). Consumption Correlatedness and Risk Measurement in Economies with Non-Traded Assets and Heterogeneous Information. *Journal of Financial Economics 10*, 195–210.

Grossman, S. and J. Stiglitz (1980). On the Impossibility of Informationally Efficient Markets. *American Economic Review 70*, 393–408.

Grossman, S. and Z. Zhou (1996). Equilibrium Analysis of Portfolio Insurance. *Journal of Finance 51*, 1379–1403.

Grundy, B. and M. McNichols (1989). Trade and Revelation of Information through Prices and Direct Disclosure. *Review of Financial Studies 2*, 495–526.

Gultekin, N., R. Rogalski, and S. Tiniç (1982). Option Pricing Model Estimates: Some Empirical Results. *Financial Management 11*, 58–69.

Gurland, J., I. Lee, and P. Dahm (1960). Polychotomous Quantal Response in Biological Assay. *Biometrics 16*, 382–398.

Hagerman, R. (1978). More Evidence on the Distribution of Security Returns. *Journal of Finance 33*, 1213–1220.

Hakansson, N. (1976). Purchasing Power Funds: A New Kind of Financial Intermediary. *Financial Analysts Journal 32*, 49–59.

Hakansson, N. (1977). The Superfund: Efficient Paths towards Efficient Capital Markets in Large and Small Countries. In H. Levy and M. Samat (Eds.), *Financial Decision Making Under Uncertainty*. Academic Press, New York.

Hald, A. (1990). *A History of Probability and Statistics and Their Applications before 1750*. John Wiley and Sons, New York.

Hald, A. (1992). Some Aspects of Generalized Method of Moments Estimation. In G. Maddala, C. Rao, and H. Vinod (Eds.), *Handbook of Statistics, Volume 11: Econometrics*. North-Holland, Amsterdam.

Hall, R. (1988). Intertemporal Substitution in Consumption. *Journal of Political Economy 96*, 221–273.

Halpern, R. and S. Turnbull (1985). Empirical Tests of Boundary Conditions for Toronto Stock Exchange Options. *Journal of Finance 40*, 481–500.

Hamilton, J. (1989). A New Approach to the Economic Analysis of Nonstationary Time Series and the Business Cycle. *Econometrica 57*, 357–384.

Hamilton, J. (1990). Analysis of Time Series Subject to Changes in Regime. *Journal of Econometrics 45*, 39–70.

Hamilton, J. (1993). Estimation, Inference, and Forecasting of Time Series Subject to Changes in Regime. In G. Maddala, C. Rio, and H. Vinod (Eds.), *Handbook of Statistics, Volume 11*. North-Holland, New York.

Hamilton, J. (1994). *Time Series Analysis*. Princeton University Press, Princeton, NJ.

Hammersley, J. and D. Handscomb (1964). *Monte Carlo Methods*. Chapman and Hall, London.

Hammersley, J. and J. Mauldon (1956). General Principles of Antithetic Variates. *Proceedings of the Cambridge Phi losophical Society 52*, 476–481.

Hampel, F. (1986). *Robust Statistics: The Approach Based on Influence Functions*. John Wiley and Sons, New York.

Hansen, L. (1982). Large Sample Properties of Generalized Method of Moments Estimators. *Econometrica 50*, 1029–1054.

Hansen, L. (1985). A Method for Calculating Bounds on the Asymptotic Covariance Matrices of Generalized Method of Moments Estimators. *Journal of Econometrics 30*, 203–238.

Hansen, L., J. Heaton, and E. Luttmer (1995). Econometric Evaluation of Asset Pricing Models. *Review of Financial Studies 8*, 237–274.

Hansen, L., J. Heaton, and M. Ogaki (1988). Efficiency Bounds Implied by Multi-period Conditional Moment Restrictions. *Journal of the American Statistical Association 83*, 863–871.

Hansen, L. and R. Hodrick (1980). Forward Exchange Rates as Optimal Predictors of Future Spot Rates: An Econometric Analysis. *Journal of Political Economy 88*, 829–853.

Hansen, L. and R. Hodrick (1983). Risk Averse Speculation in the Forward Foreign Exchange Market: An Econometric Analysis of Linear Models. In J. Frenkel (Ed.), *Exchange Rates and International Macroeconomics*. University of Chicago Press, Chicago, IL.

Hansen, L. and R. Jagannathan (1991). Restrictions on Intertemporal Marginal Rates of Substitution Implied by Asset Returns. *Journal of Political Economy 99*, 225–262.

Hansen, L. and S. Richard (1987). The Role of Conditioning Information in Deducing Testable Restrictions Implied by Dynamic Asset Pricing Models. *Econometrica 55*, 587–613.

Hansen, L. and J. Scheinkman (1995). Back to the Future: Generating Moment Implications for Continuous-Time Markov Processes. *Econometrica 63*, 767–804.

Hansen, L. and K. Singleton (1982). Generalized Instrumental Variables Estimation of Nonlinear Rational Expectations Models. *Econometrica 50*, 1269–1288.

Hansen, L. and K. Singleton (1983). Stochastic Consumption, Risk Aversion and the Temporal Behavior of Asset Returns. *Journal of Political Economy 91*, 249–268.

Härdle, W. (1990). *Applied Nonparametric Regression*. Cambridge University Press, Cambridge, UK.

Harris, L. (1990). Estimation of Stock Variances and Serial Covariances from Discrete Observations. *Journal of Financial and Quantitative Analysis 25*, 291–306.

Harris, L. (1991). Stock Price Clustering and Discreteness. *Review of Financial Studies 4*, 389–415.

Harris, L., G. Sofianos, and J. Shapiro (1994). Program Trading and Intraday Volatility. *Review of Financial Studies 7*, 653–685.

Harrison, M. (1985). *Brownian Motion and Stochastic Flow Systems*. John Wiley and Sons, New York.

Harrison, M. and D. Kreps (1979). Martingales and Arbitrage in Multiperiod Securities Markets. *Journal of Economic Theory 20*, 381–408.

Harrison, M. and S. Pliska (1981). Martingales and Stochastic Integrals in the Theory of Continuous Trading. *Stochastic Processes and Their Applications 11*, 215–260.

Harvey, A., E. Ruiz, and N. Shephard (1994). Multivariate Stochastic Variance Models. *Review of Economic Studies 61*, 247–264.

Harvey, C. (1988). The Real Term Structure and Consumption Growth. *Journal of Financial Economics 22*, 305–334.

Harvey, C. (1989). Time-Varying Conditional Covariances in Tests of Asset Pricing Models. *Journal of Financial Economics 24*, 289–317.

Harvey, C. (1991). The World Price of Covariance Risk. *Journal of Finance 46*, 111–157.

Harvey, C. and G. Zhou (1990). Bayesian Inference in Asset Pricing Tests. *Journal of Financial Economics 26*, 221–254.

Hasbrouck, J. (1988). Trades, Quotes, Inventories, and Information. *Journal of Financial Economics 22*, 229–252.

Hasbrouck, J. (1991a). Measuring the Information Content of Stock Trades. *Journal of Finance 46*, 179–208.

Hasbrouck, J. (1991b). The Summary Informativeness of Stock Trades: An Econometric Analysis. *Review of Financial Studies 4*, 571–595.

Hasbrouck, J. and T. Ho.

Hausman, J. (1978). Specification Tests in Econometrics. *Econometrica 46*, 1251–1271.

Hausman, J., A. Lo, and C. MacKinlay (1992). An Ordered Probit Analysis of Transaction Stock Prices. *Journal of Financial Economics 31*, 319–379.

He, H. and H. Leland (1993). On Equilibrium Asset Price Processes. *Review of Financial Studies 6*, 593–617.

He, H. and D. Modest (1995). Market Frictions and Consumption-Based Asset Pricing. *Journal of Political Economy 103*, 94–117.

Heath, D., R. Jarrow, and A. Morton (1992). Bond Pricing and the Term Structure of Interest Rates: A New Methodology for Contingent Claims Valuation. *Econometrica 60*, 77–105.

Heaton, J. (1995). An Empirical Investigation of Asset Pricing with Temporally Dependent Preference Specifications. *Econometrica*, 681–717.

Heaton, J. and D. Lucas (1996). Evaluating the Effects of Incomplete Markets on Risk Sharing and Asset Pricing. *Journal of Political Economy 104*, 668–712.

Helson, H. and D. Sarason (1967). Past and Future. *Mathematica Scandinavia 21*, 5–16.

Henriksson, R. and R. Merton (1981). On Market Timing and Investment Performance, II: Statistical Procedures for Evaluating Forecasting Skills. *Journal of Business 54*, 513–533.

Hentschel, L. (1995). All in the Family: Nesting Symmetric and Asymmetric GARCH Models. *Journal of Financial Economics 39*, 71–104.

Hermdorf, N. (1984). A Functional Central Limit Theorem for Weakly Dependent Sequences of Random Variables. *Annals of Probability 12*, 141–153.

Hertz, J., A. Krogh, and R. Palmer (1991). *Introduction to the Theory of Neural Computation*. Addison-Wesley Publishing Company, Reading, MA.

Heston, S. (1992). Testing Continuous-Time Models of the Term Structure of Interest Rates. unpublished paper, Yale University.

Heston, S. (1993). A Closed-Form Solution for Options with Stochastic Volatility with Applications to Bond and Currency Options. *Review of Financial Studies 6*, 327–343.

Hicks, J. (1946). *Value and Capital* (2nd ed.). Oxford University Press, Oxford.

Hinich, M. and D. Patterson (1985). Evidence of Nonlinearity in Daily Stock Returns. *Journal of Business and Economic Statistics 3*, 69–77.

Ho, T. and S. Lee (1986). Term Structure Movements and Pricing interest Rate Contingent Claims. *Journal of Finance 41*, 1011–1029.

Ho, T. and H. Stoll (1980). On Dealership Markets under Competition. *Journal of Finance 35*, 259–267.

Ho, T. and H. Stoll (1981). Optimal Dealer Pricing under Transactions and Return Uncertainty. *Journal of Financial Economics 9*, 47–73.

Hodrick, R. (1992). Dividend Yields and Expected Stock Returns: Alternative Procedures for Inference and Measurement. *Review of Financial Studies 5*, 357–386.

Hoel, P., S. Port, and C. Stone (1972). *Introduction to Stochastic Processes*. Houghton Mifflin, Boston, MA.

Hofmann, N., E. Platen, and M. Schweizer (1992). Option Pricing under Incompleteness and Stochastic Volatility. *Mathematical Finance 2*, 153–187.

Hogarth, R. and M. Recler (Eds.) (1987). *Rational Choice: The Contrast Between Economics and Psychology*. University of Chicago Press, Chicago, IL.

Holden, A. (Ed.) (1986). *Chaos*. Princeton University Press, Princeton, NJ.

Hornik, K. (1989). Multilayer Feedforward Networks Are Universal Approximators. *Neural Networks 2(5)*, 359–366.

Hornik, K., M. Stinchcombe, and H. White (1990). Universal Approximation of an Unknown Mapping and Its Derivatives. *Neural Networks 3*, 551–560.

Hosking, J. (1981). Fractional Differencing. *Biometrika 68*, 165–176.

Hsieh, D. (1989). Testing for Nonlinear Dependence in Daily Foreign Exchange Rates. *Journal of Business 62*, 339–368.

Hsieh, D. (1991). Chaos and Nonlinear Dynamics: Application to Financial Markets. *Journal of Finance 46*, 1839–1877.

Hsieh, D. (1993). Implications of Nonlinear Dynamics for Financial Risk Management. *Journal of Financial and Quantitative Analysis 28*, 41–64.

Hsu, D., R. Miller, and D. Wichern (1974). On the Stable Paretian Behavior of Stock Market Prices. *Journal of the American Statistical Association 69*, 108–113.

Huang, C. (1992). Lecture Notes on the Theory of Financial Markets in Continuous Time.

Huang, C. and R. Litzenberger (1988). *Foundations for Financial Economics*. North-Holland, New York.

Huang, R. and H. Stoll (1995a). The Components of the Bid-Ask Spread: A General Approach. Financial Markets Research Center Working Paper 94–33, Owen Graduate School of Management, Vanderbilt University.

Huang, R. and H. Stoll (1995b). Dealer Versus Auction Markets: A Paired Comparison of Execution Costs on NASDAQ and the NYSE. Financial Markets Research Center Working Paper 95–16, Owen Graduate School of Management, Vanderbilt University.

Huber, P. (1985). Projection Pursuit. *Annals of Statistics 13(2)*, 435–525.

Huberman, G. (1982). A Simple Approach to Arbitrage Pricing Theory. *Journal of Economic Theory 28*, 183–191.

Huberman, G. and S. Kandel (1987). Mean-Variance Spanning. *Journal of Finance 42(4)*, 873–888.

Hull, J. (1993). *Options, Futures, and Other Derivative Securities* (2nd ed.). Prentice-Hall, Englewood Cliffs, New Jersey.

Hull, J. and A. White (1987). The Pricing of Options on Assets with Stochastic Volatilities. *Journal of Finance 42*, 281–300.

Hull, J. and A. White (1990a). Pricing Interest-Rate-Derivative Securities. *Review of Financial Studies 3*, 573–592.

Hull, J. and A. White (1990b). Valuing Derivative Securities Using the Explicit Finite Difference Method. *Journal of Financial and Quantitative Analysis 25*, 87–100.

Hurst, H. (1951). Long Term Storage Capacity of Reservoirs. *Transactions of the American Society of Civil Engineers 116*, 770–799.

Hutchinson, J., A. Lo, and T. Poggio (1994). A Nonparametric Approach to the Pricing and Hedging of Derivative Securities Via Learning Networks. *Journal of Finance 49*, 851–889.

Ingersoll, J. (1987). *Theory of Financial Decision Making*. Rowman & Littlefield, Totowa, NJ.

Itô, K. (1951). On Stochastic Differential Equations. *Memoirs of the American Mathematical Society 4*, 1–51.

J. Ingersoll, J., J. Skelton, and R. Weil (1978). Duration Forty Years Later. *Journal of Financial and Quantitative Analysis 13*, 627–650.

Jackwerth, J. and M. Rubinstein (1995). Recovering Probability Distributions from Contemporary Security Prices. working paper, Haas School of Business, University of California at Berkeley.

Jacquier, E., N. Poison, and P. Rossi (1994). Bayesian Analysis of Stochastic Volatility Models. *Journal of Business and Economic Statistics 12*, 371–389.

Jagannathan, R. and Z. Wang (1996). The Conditional CAPM and the Cross-Section of Expected Returns. *Journal of Finance 51*, 3–53.

Jam, P. (1986). Analyses of the Distribution of Security Market Model Prediction Errors for Daily Returns Data. *Journal of Accounting Research 24*, 76–96.

Jamshidian, F. (1989). An Exact Bond Option Formula. *Journal of Finance 44*, 205–209.

Jarrell, G., J. Brickley, and J. Netter (1988). The Market for Corporate Control: The Empirical Evidence Since 1980. *Journal of Economic Perspectives 2*, 639–658.

Jarrell, G. and A. Poulsen (1989). The Returns to Acquiring Firms in Tender Offers: Evidence from Three Decades. *Financial Management 18*, 12–19.

Jarrow, R. and A. Rudd (1982). Approximate Option Valuation for Arbitrary Stochastic Processes. *Journal of Financial Economics 10*, 347–369.

Jegadeesh, N. (1990). Evidence of Predictable Behavior of Security Returns. *Journal of Finance 45*, 881–898.

Jegadeesh, N. (1991). Seasonality in Stock Price Mean Reversion: Evidence from the U.S. and the U.K. *Journal of Finance 46*, 1427–1444.

Jegadeesh, N. and S. Titman (1993). Returns to Buying Winners and Selling Losers: Implications for Stock Market Efficiency. *Journal of Finance 48*, 65–91.

Jegadeesh, N. and S. Titman (1995). Overreaction, Delayed Reaction, and Contrarian Profits. *Review of Financial Studies 8*, 973–993.

Jensen, M. and R. Ruback (1983). The Market for Corporate Control: The Scientific Evidence. *Journal of Financial Economics 11*, 5–50.

Jerison, D., I. Singer, and D. Stroock (Eds.).

Jobson, D. and R. Korkie (1982). Potential Performance and Tests of Portfolio Efficiency. *Journal of Financial Economics 10*, 433–466.

Jobson, D. and R. Korkie (1985). Some Tests of Linear Asset Pricing with Multivariate Normality. *Canadian Journal of Administrative Sciences 2*, 114–138.

Johnson, H. (1983). An Analytic Approximation of the American Put Price. *Journal of Financial and Quantitative Analysis 18*, 141–148.

Johnson, H. and D. Shanno (1987). Option Pricing when the Variance Is Changing. *Journal of Financial and Quantitative Analysis 22*, 143–151.

Jones, L. (1987). On a Conjecture of Huber Concerning the Convergence of Projection Pursuit Regression. *Annals of Statistics 15(2)*, 880–882.

Joreskog, K. (1967). Some Contributions to Maximum Likelihood Factor Analysis. *Psychometrika 34*, 183–202.

Judge, G., W. Griffiths, C. Hill, H. Likepohl, and T. Lee (1985). *The Theory and Practice of Econometrics*. John Wiley and Sons, New York.

Kagel, J. and A. Roth (Eds.) (1995). *Handbook of Experimental Economics*. Princeton University Press, Princeton, NJ.

Kahneman, D. and A. Tversky (1979). Prospect Theory: An Analysis of Decision Under Risk. *Econometrica 47*, 263–291.

Kalos, M. and P. Whitlock (1986). *Monte Carlo Methods, Volume I: Basics*. John Wiley and Sons, New York.

Kandel, E. and L. Marx (1996). NASDAQ Market Structure and Spread Patterns. unpublished working paper, Simon Graduate School of Business, University of Rochester.

Kandel, S. (1984). The Likelihood Ratio Test of Mean-Variance Efficiency without a Riskless Asset. *Journal of Financial Economics 13*, 575–592.

Kandel, S., R. McCulloch, and R. Stambaugh (1995). Bayesian Inference and Portfolio Efficiency. *Review of Financial Studies 8*, 1–53.

Kandel, S. and R. Stambaugh (1987). On Correlations and Inferences about Mean-Variance Efficiency. *Journal of Financial Economics 18*, 61–90.

Kandel, S. and R. Stambaugh (1989). Modelling Expected Stock Returns for Long and Short Horizons. Working Paper 42-88, Rodney L. White Center, Wharton School, University of Pennsylvania.

Kandel, S. and R. Stambaugh (1990). A Mean-Variance Framework for Tests of Asset Pricing Models. *Review of Financial Studies 2*, 125–156.

Kandel, S. and R. Stambaugh (1991). Asset Returns and Intertemporal Preferences. *Journal of Monetary Economics 27*, 39–71.

Kandel, S. and R. Stambaugh (1995). Portfolio inefficiency and the Cross-Section of Expected Returns. *Journal of Finance 50*, 157–184.

Kane, E. (1970, May). The Term Structure of Interest Rates: An Attempt to Reconcile Teaching with Practice. *Journal of Finance 25*, 361–374.

Kane, E. (1983). Nested Tests of Alternative Term Structure Theories. *Review of Economics and Statistics 65*, 115–123.

Kane, E. and H. Unal (1988). Change in Assessments of Deposit Institution Riskiness. *Journal of Financial Services Research 1*, 207–229.

Karpoff, J. (1986). A Theory of Trading Volume. *Journal of Finance 41*, 1069–1088.

Karpoff, J. (1987). The Relation between Price Changes and Trading Volume: A Survey. *Journal of Financial and Quantitative Analysis 22*, 109–126.

Keim, D. (1989). Trading Patterns, Bid-Ask Spreads, and Estimated Security Returns: The Case of Common Stocks at Calendar Turning Points. *Journal of Financial Economics 25*, 75–97.

Keim, D. and A. Madhavan (1995a). Anatomy of the Trading Process: Empirical Evidence on the Behavior of Institutional Traders. *Journal of Financial Economics 37*, 371–398.

Keim, D. and A. Madhavan (1995b). Execution Costs and Investment Performance: An Empirical Analysis of Institutional Equity Trades. working paper, School of Business Administration, University of Southern California.

Keim, D. and A. Madhavan (1996). The Upstairs Market for Large-Block Transactions: Analysis and Measurement of Price Effects. *Review of Financial Studies 9*, 1–36.

Keim, D. and K. Stambaugh (1986). Predicting Returns in Stock and Bond Markets. *Journal of Financial Economics 17*, 357–390.

Kendall, M. (1953). The Analysis of Economic Time Series–Part I: Prices. *Journal of the Royal Statistical Society 96*, 11–25.

Kendall, M. (1954). Note on Bias in the Estimation of Autocorrelation. *Biometrika 41*, 403–404.

Kennan, D. and M. O'Brien (1993). Competition, Collusion, and Chaos. *Journal of Economic Dynamics and Control 17*, 327–353.

Kennedy, D. (1976). The Distribution of the Maximum Brownian Excursion. *Journal of Applied Probability 13*, 371–376.

Kim, M., C. Nelson, and R. Startz (1988). Mean Reversion in Stock Prices? A Reappraisal of the Empirical Evidence. Technical Report 2795, NBER, Cambridge, MA. to appear in Review of Economic Studies.

Kindleberger, C. (1989). *Manias, Panics, and Crashes: A History of Financial Crises* (revised ed.). Basic Books, New York.

Kleidon, A. (1986). Variance Bounds Tests and Stock Price Valuation Models. *Journal of Political Economy 94*, 953–1001.

Kleidon, A. and R. Willig (1995). Why Do Christie and Schultz Infer Collusion from Their Data? unpublished working paper.

Kocherlakota, N. (1996). The Equity Premium: It's Still a Puzzle. *Journal of Economic Literature 34*, 42–71.

Korajczyk, R. and C. Viallet (1989). An Empirical Investigation of International Asset Pricing. *Review of Financial Studies 2*, 553–586.

Kothari, S., J. Shanken, and R. Sloan (1995). Another Look at the Cross-Section of Expected Returns. *Journal of Finance 50*, 185–224.

Kreps, D. (1988). *Notes on the Theory of Choice*. Westview Press, Boulder, CO.

Kreps, D. and E. Porteus (1978). Temporal Resolution of Uncertainty and Dynamic Choice Theory. *Econometrica 46*, 185–200.

Kroner, K. and V. Ng (1993). Modelling the Time Varying Comovement of Asset Returns. unpublished paper, University of Arizona and International Monetary Fund.

Kyle, A. (1985). Continuous Auctions and Insider Trading. *Econometrica 53*, 1315–1335.

Laibson, D. (1996). Hyperbolic Discount Functions, Undersaving, and Savings Policy. Working Paper 5635, NBER, Cambridge, MA.

Lakonishok, J., A. Shleifer, and R. Vishny (1994). Contrarian Investment, Extrapolation, and Risk. *Journal of Finance 49*, 1541–1578.

Lanen, W. and R. Thompson (1988). Stock Price Reactions as Surrogates for the Net Cashilow Effects of Corporate Financial Decisions. *Journal of Accounting and Economics 10*, 311–334.

Lang, S. (1973). *Calculus of Several Variables*. Addison-Wesley, Reading, MA.

Learner, K. (1978). *Speculation Searches*. John Wiley and Sons, New York.

LeBaron, B. (1996). Technical Trading Rule Profitability and Foreign Exchange Intervention. Working Paper 5505, NBER, Cambridge, MA.

Lee, C. and M. Ready (1991). Inferring Trade Direction from Intraday Data. *Journal of Finance 46*, 733–746.

Lee, S. and B. Hansen (1994). Asymptotic Theory for the GARCH(1,1) Quasi-Maximum Likelihood Estimator. *Econometric Theory 10*, 29–52.

Lehmann, B. Empirical Testing of Asset Pricing Models. In P. Newman, M. Milgate, and J. Eatwell (Eds.), *The New Palgrave Dictionary of Money and Finance*, pp. 749–759. Stockton Press, New York.

Lehmann, B. (1987). Orthogonal Frontiers and Alternative Mean Variance Efficiency Tests. *Journal of Finance 42*, 601–619.

Lehmann, B. (1990). Fads, Martingales, and Market Efficiency. *Quarterly Journal of Economics 105*, 1–28.

Lehmann, B. (1991). Earnings, Dividend Policy, and Present Value Relations: Building Blocks of Dividend Policy Invariant Cash Flows. Working Paper 3676, NBER, Cambridge, MA.

Lehmann, B. and D. Modest (1988). The Empirical Foundations of the Arbitrage Pricing Theory. *Journal of Financial Economics 21*, 213–254.

LeRoy, S. (1973). Risk Aversion and the Martingale Property of Stock Returns. *International Economic Review 14*, 436–446.

LeRoy, S. (1989). Efficient Capital Markets and Martingales. *Journal of Economic Literature 27*, 1583–1621.

LeRoy, S. and R. Porter (1981). The Present Value Relation: Tests Based on Variance Bounds. *Econometrica 49*, 555–577.

LeRoy, S. and D. Steigerwald (1992). Volatility. Working Paper 6-92, Department of Economics, University of California Santa Barbara.

Levy, H. (1985). Upper and Lower Bounds of Put and Call Option Values: Stochastic Dominance Approach. *Journal of Finance 40*, 1197–1218.

Lévy, P. (1924). Théorie des Erreurs. La Loi de Gauss et Les Lois Exceptionelles. *Bull. Soc. Math. 52*, 49–85.

Lévy, P. (1925). *Calcul des Probabilités*. Gauthier-Villers, Paris.

Li, S. (1980). A Martingale Approach to the Study of Occurrence of Sequence Patterns in Repeated Experiments. *Annals of Probability 8*, 1171–1176.

Lintner, J. (1965a). Security Prices, Risk and Maximal Gains from Diversification. *Journal of Finance 20*, 587–615.

Lintner, J. (1965b). The Valuation of Risky Assets and the Selection of Risky Investments in Stock Portfolios and Capital Budgets. *Review of Economics and Statistics 47*, 13–37.

Litzenberger, R. and K. Ramaswamy (1979). The Effect of Personal Taxes and Dividends on Capital Asset Prices: Theory and Evidence. *Journal of Financial Economics 7*, 163–196.

Litzenberger, R. and J. Rolfo (1984). An International Study of Tax Effects on Government Bonds. *Journal of Finance 39*, 1–22.

Liu, C. and J. He (1991). A Variance-Ratio Test of Random Walks in Foreign Exchange Rates. *Journal of Finance 46*, 777–786.

Ljung, G. and G. Box (1978). On a Measure of Lack of Fit in Time Series Models. *Biometrika 66*, 67–72.

Ljung, L. and T. Söderström (1986). *Theory and Pracike of Recursive Identification*. Massachusetts Institute of Technology Press, Cambridge, MA.

Lo, A. (1986). Statistical Tests of Contingent Claims Asset-Pricing Models: A New Methodology. *Journal of Financial Economics 17*, 143–173.

Lo, A. (1987). Semiparametric Upper Bounds for Option Prices and Expected Payoffs. *Journal of Financial Economics 19*, 373–388.

Lo, A. (1988). Maximum Likelihood Estimation of Generalized Itô Processes with Discretely Sampled Data. *Econometric Theory 4*, 231–247.

Lo, A. (1991). Long Term Memory in Stock Market Prices. *Econometrica 59*, 1279–1313.

Lo, A. (Ed.) (1995). *The industrial Organization and Regulation of the Securities Industry (NBER Conference Report)*. University of Chicago Press, Chicago, IL.

Lo, A. (Ed.) (1996). *Market Efficient: Stock Market Behaviour in Theory and Practice*. Edward Elgar Publishing, Ltd., London.

Lo, A. and A. C. MacKinlay (1988). Stock Market Prices Do Not Follow Random Walks: Evidence from a Simple Specification Test. *Review of Financial Studies 1*, 41–66.

Lo, A. and A. C. MacKinlay (1989). The Size and Power of the Variance Ratio Test in Finite Samples: A Monte Carlo Investigation. *Journal of Econometrics 40*, 203–238.

Lo, A. and A. C. MacKinlay (1990a). An Econometric Analysis of Nonsynchronous-Trading. *Journal of Econometrics 45*, 181–212.

Lo, A. and A. C. MacKinlay (1990ba). Data-Snooping Biases in Tests of Financial Asset Pricing Models. *Review of Financial Studies 3*, 431–468.

Lo, A. and A. C. MacKinlay (1990bb). When Are Contrarian Profits Due to Stock Market Overreaction? *Review of Financial Studies 3*, 175–208.

Lo, A. and A. C. MacKinlay (1996). Maximizing Predictability in the Stock and Bond Markets. Working Paper LFE-1019-96, MIT Laboratory for Financial Engineering.

Lo, A. and J. Wang (1995). Implementing Option Pricing Models when Asset Returns Are Predictable. *Journal of Finance 50*, 87–129.

Loewenstein, G. and D. Prelec (1992). Anomalies in Intertemporal Choice: Evidence and an Interpretation. *Quarterly Journal of Economics 107*, 573–598.

Longstaff, F. (1989). A Nonlinear General Equilibrium Model of the Term Structure of Interest Rates. *Journal of Financial Economics 23*, 195–224.

Longstaff, F. (1992). Multiple Equilibria and Term Structure Models. *Journal of Financial Economics 32*, 333–344.

Longstaff, F. (1995). Option Pricing and the Martingale Restriction. *Review of Financial Studies 8*, 1091–1124.

Longstaff, F. and F. Schwartz (1992). Interest Rate Volatility and the Term Structure: A Two-Factor General Equilibrium Model. *Journal of Finance 47*, 1259–1282.

Lorenz, F. (1963). Deterministic Aperiodic Flow. *Journal of Atmospheric Sciences 20*, 130–141.

Lumsdaine, R. (1995). Finite-Sample Properties of the Maximum Likelihood Estimator in GARCH(1,1) and IGARCH(1,1) Models: A Monte Carlo Investigation. *Journal of Business and Economic Statistics 13*, 1–10.

Luttmer, E. (1994). Asset Pricing in Economies with Frictions. unpublished paper, Kellogg Graduate School of Management, Northwestern University.

Lutz, F. (1940). The Structure of Interest Rates. *Quarterly Journal of Economics 55*, 36–63.

Macaulay, F. (1938). *Some Theoretical Problems Suggested by the Movements of interest Rates, Bond Yields, and Stock Prices in the United States Since 1856*. National Bureau of Economic Research, New York.

MacBeth, J. and L. Merville (1979). An Empirical Examination of the Black-Scholes Call Option Pricing Model. *Journal of Finance 34*, 1173–1186.

MacBeth, J. and L. Merville (1980). Tests of the Black-Scholes and Cox Call Option Valuation Models. *Journal of Finance 35*, 285–300.

Mackay, C. (1852). *Memoirs of Extraordinary Popular Delusions and the Madness of Crowds* (2nd ed.). Office Nat, Illustrated Library, London.

MacKinlay, A. C. (1987). On Multivariate Tests of the CAPM. *Journal of Financial Economics 18*, 341–372.

MacKinlay, A. C. (1995). Multifactor Models Do Not Explain Deviations from the CAPM. *Journal of Financial Economics 38*, 3–28.

MacKinlay, A. C. and M. Richardson (1991). Using Generalized Methods of Moments to Test Mean-Variance Efficiency. *Journal of Finance 46*, 511–527.

Maddala, G. (1983). *Limited-Dependent and Qualitative Variables in Econometrics*. Cambridge University Press, Cambridge, UK.

Madhavan, A. and S. Smidt (1991). A Bayesian Model of Intraday Specialist Pricing. *Journal of Financial Economics 30*, 99–134.

Magnus, J. and H. Neudecker (1988). *Matrix Differential Calculus*. John Wiley and Sons, New York.

Malatesta, P. and K. Thompson (1985). Partially Anticipated Events: A Model of Stock Price Reactions with an Application to Corporate Acquisitions. *Journal of Financial Economics 14*, 237–250.

Malkiel, B. (1992). Efficient Market Hypothesis. In P. Newman, M. Milgate, and J. Eatwell (Eds.), *New Palgrave Dictionary of Money and Finance*. Macmillan, London.

Mandelbrot, B. (1963). The Variation of Certain Speculative Prices. *Journal of Business 36*, 394–419.

Mandelbrot, B. (1967). The Variation of Certain Speculative Prices. *Journal of Business 36*, 394–419.

Mandelbrot, B. (1971). When Can Price Be Arbitraged Efficiently? A Limit to the Validity of the Random Walk and Martingale Models. *Review of Economics and Statistics 53*, 225–236.

Mandelbrot, B. (1972). Statistical Methodology for Non-Periodic Cycles: From the Covariance to R/S Analysis. *Annals of Economic and Social Measurement 1*, 259–290.

Mandelbrot, B. (1975). Limit Theorems on the Self-Normalized Range for Weakly and Strongly Dependent Processes. *Z. Wahrscheinlichkeits theorie verw, Gebiete 31*, 271–285.

Mandelbrot, B. and J. V. Ness (1968). Fractional Brownian Motion, Fractional Noises and Applications. *S.I.A.M. Review 10*, 422–437.

Mandelbrot, B. and M. Taqqu (1979). Robust R/S Analysis of Long Run Serial Correlation. *Bulletin of the International Statistical Institute 48 (Book 2)*, 59–104.

Mandelbrot, B. and H. Taylor (1967). On the Distribution of Stock Price Differences. *Operations Research 15*, 1057–1062.

Mandelbrot, B. and J. Wallis (1968). Noah, Joseph and Operational Hydrology. *Water Resources Research 4*, 909–918.

Mandelbrot, B. and J. Wallis (1969a). Computer Experiments with Fractional Gaussian Noises. Parts 1, 2, 3. *Water Resources Research 5*, 228–267.

Mandelbrot, B. and J. Wallis (1969b). Some Long Run Properties of Geophysical Records. *Water Resources Research 5*, 321–340.

Mankiw, N. G. (1986). The Equity Premium and the Concentration of Aggregate Shocks. *Journal of Financial Economics 17*, 211–219.

Mankiw, N. G. and J. Miron (1986). The Changing Behavior of the Term Structure of Interest Rates. *Quarterly Journal of Economics 101*, 211–221.

Mankiw, N. G., D. Romer, and M. Shapiro (1985). An Unbiased Reexamination of Stock Market Volatility. *Journal of Finance 40*, 677–687.

Mankiw, N. G. and M. Shapiro (1986). Do We Reject Too Often? Small Sample Properties of Tests of Rational Expectations Models. *Economics Letters 20*, 139–145.

Mankiw, N. G. and S. Zeldes (1991). The Consumption of Stockholders and Non-Stockholders. *Journal of Financial Economics 29*, 97–112.

Manne, H. (1965). Mergers and the Market for Corporate Control. *Journal of Political Economy 73*, 110–120.

Mark, N. (1995). Exchange Rates and Fundamentals: Evidence on Long-Horizon Predictability. *American Economic Review 85*, 201–218.

Markowitz, H. (1959). *Portfolio Selection: Efficient Diversification of Investments*. John Wiley, New York.

Marsh, T. and R. Merton (1986). Dividend Variability and Variance Bounds Tests for the Rationality of Stock Market Prices. *American Economic Review 76*, 483–498.

Marsh, T. and E. Rosenfeld (1986). Non-Trading, Market Making, and Estimates of Stock Price Volatility. *Journal of Financial Economics 15*, 359–372.

Mason, S., R. Merton, A. Perold, and P. Tufano (1995). *Cases in Financial Engineering: Applied Studies of Financial Innovation*. Prentice-Hall, Englewood Cliffs, NJ.

Mayers, D. (1972). Nonmarketable Assets and Capital Market Equilibrium under Uncertainty. In M. Jensen (Ed.), *Studies in the Theory of Capital Markets*, pp. 223–248. Praeger, New York.

McCallum, B. (1994). Monetary Policy and the Term Structure of Interest Rates. Working Paper 4938, NBER, Cambridge, MA.

McCullagh, P. (1980). Regression Models for Ordinal Data. *Journal of the Royal Statistical Society Series B(42)*, 109–142.

McCulloch, J. (1971). Measuring the Term Structure of Interest Rates. *Journal of Business 44*, 19–31.

McCulloch, J. (1975). The Tax-Adjusted Yield Curve. *Journal of Finance 30*, 811–830.

McCulloch, J. (1993). A Reexamination of Traditional Hypotheses About the Term Structure: A Comment. *Journal of Finance 48*, 779–789.

McCulloch, J. and H. Kwon (1993). US Term Structure Data, 1947–1991. Working Paper 93-6, Ohio State University.

McCulloch, W. and W. Pitts (1943). A Logical Calculus of Ideas Immanent in Nervous Activity. *Bulletin of Mathematical Biophysics 5*, 115–133.

McQueen, G. and V. Roley (1993). Stock Prices, News, and Business Conditions. *Review of Financial Studies 6*, 683–707.

Mech, T. (1993). Portfolio Return Autocorrelation. *Journal of Financial Economics 34*, 307–344.

Mehra, R. and E. Prescott (1985). The Equity Premium: A Puzzle. *Journal of Monetary Economics 15*, 145–161.

Mei, J. (1993). A Semiautoregression Approach to the Arbitrage Pricing Theory. *Journal of Finance 48*, 599–620.

Melino, A. (1988). The Term Structure of Interest Rates: Evidence and Theory. *Journal of Economic Surveys 2*, 335–366.

Melino, A. and S. Turnbull (1990). Pricing Foreign Currency Options with Stochastic Volatility. *Journal of Econometrics 45*, 239–265.

Merton, R. (1969). Lifetime Portfolio Selection under Uncertainty: The Continuous Time Case. *Review of Economics and Statistics 51*, 247–257.

Merton, R. (1972). An Analytic Derivation of the Efficient Portfolio Frontier. *Journal of Financial and Quantitative Analysis 7*, 1851–1872.

Merton, R. (1973a). An Intertemporal Capital Asset Pricing Model. *Econometrica 41*, 867–887.

Merton, R. (1973b). Rational Theory of Option Pricing. *Bell Journal of Economics and Management Science 4*, 141–183.

Merton, R. (1976a). The Impact on Option Pricing of Specification Error in the Underlying Stock Price Distribution. *Journal of Finance 31*, 333–350.

Merton, R. (1976b). Option Pricing when Underlying Stock Returns Are Discontinuous. *Journal of Financial Economics 3*, 125–144.

Merton, R. (1980). On Estimating the Expected Return on the Market: An Exploratory investigation. *Journal of Financial Economics 8*, 323–361.

Merton, R. (1981). On Market Timing and Investment Performance, I: An Equilibrium Theory of Value for Market Forecasts. *Journal of Business 54*, 363–406.

Merton, R. (1990). *Continuous-Time Finance*. Blackwell Publishers, Cambridge, MA.

Miccheli, C. (1986). Interpolation of Scattered Data; Distance Matrices and Conditionally Positive Definite Functions. *Constructive Approximation 2*, 11–22.

Mikkelson, W. and M. Partch (1986). Valuation Effects of Security Offerings and the Issuance Process. *Journal of Financial Economics 15*, 31–60.

Mishkin, F. (1988). The Information in the Term Structure: Some Further Results. *Journal of Applied Econometrics 3*, 307–314.

Mishkin, F. (1990a). The Information in the Longer-Maturity Term Structure about Future Inflation. *Quarterly Journal of Economics 105*, 815–821.

Mishkin, F. (1990b). What Does the Term Structure Tell Us about Future Inflation? *Journal of Monetary Economics 25*, 77–95.

Mitchell, M. and J. Netter (1994). The Role of Financial Economics in Securities Fraud Cases: Applications at the Securities and Exchange Commission. *The Business Lawyer 49*, 545–590.

Modest, D. and M. Sundaresan (1983). The Relationship between Spot and Futures Prices in Stock Index Futures Markets: Some Preliminary Evidence. *Journal of Futures Markets 3*, 15–42.

Modigliani, F. and R. Sutch (1966). Innovations in Interest Rate Policy. *American Economic Review 56*, 178–197.

Mood, A. (1940). The Distribution Theory of Runs. *Annals of Mathematical Statistics 11*, 367–392.

Moody, J. and C. Darken (1989). Fast Learning in Networks of Locally Tuned Processing Units. *Neural Computations 1*, 281–294.

Morrison, D. (1990). *Multivariate Statistical Methods*. McGraw Hill, New York.

Morse, D. (1984). An Econometric Analysis of the Choice of Daily Versus Monthly Returns in Tests of Information Content. *Journal of Accounting Research 22*, 605–623.

Mossin, J. (1966). Equilibrium in a Capital Asset Market. *Econometrica 35*, 768–783.

Muirhead, R. (1983). *Aspects of Multivariate Statistical Theory*. John Wiley and Sons, New York.

Murphy, J. (1986). *Technical Analysis of the Futures Markets*. New York Institute of Finance, New York.

Muth, J. (1960). Optimal Properties of Exponentially Weighted Forecasts. *Journal of the American Statistical Association 55*, 299–306.

Muthuswamy, J. (1988). Asynchronous Closing Prices and Spurious Autocorrelations in Portfolio Returns. working paper, Graduate School of Business, University of Chicago.

Myers, J. and A. Bakay (1948). Influence of Stock Split-Ups on Market Price. *Harvard Business Review*, 251–265.

Myers, S. and N. Majluf (1984). Corporate Financing and Investment Decisions When Firms Have Information that Investors Do Not Have. *Journal of Financial Economics 13*, 187–221.

Naik, V. and M. Lee (1994). The Yield Curve and Bond Option Prices with Discrete Shifts in Economic Regimes. unpublished paper, University of British Columbia and University of Saskatchewan.

Neftci, S. (1991). Naive Trading Rules in Financial Markets and Wiener-Kolmogorov Prediction Theory: A Study of 'Technical Analysis'. *Journal of Business 64*, 549–572.

Nelson, C. and M. Kim (1993). Predictable Stock Returns: The Role of Small Sample Bias. *Journal of Finance 48*, 641–661.

Nelson, C. and A. Siegel (1987). Parsimonious Modelling of Yield Curves. *Journal of Business*.

Nelson, C. and N. Startz (1990). The Distribution of the Instrumental Variables Estimator and Its t-Ratio when the Instrument Is a Poor One. *Journal of Business 63*, S125–S140.

Nelson, D. (1990). Stationarity and Persistence in the GARCH(1,1) Model. *Econometric Theory 6*, 318–334.

Nelson, D. (1991). Conditional Heteroskedasticiry in Asset Returns: A New Approach. *Econometrica 59*, 347–370.

Nelson, D. (1992). Filtering and Forecasting with Misspecified ARCH Models I: Getting the Right Variance with the Wrong Model. *Journal of Econometrics 52*, 61–90.

Nelson, D. (1996). Asymptotically Optimal Smoothing with ARCH Models. *Econometrica 64*, 561–573.

Nelson, D. and D. Foster (1994). Asymptotic Filtering Theory for Univariate ARCH Models. *Econometrica 62*, 1–41.

Nelson, D. and K. Ramaswamy (1990). Simple Binomial Processes as Diffusion Approximations in Financial Models. *Review of Financial Studies 3*, 393–430.

Newey, W. (1985). Semiparametric Estimation of Limited Dependent Variable Models with Endogenous Explanatory Variables. *Annales de L'Insee 59/60*, 219–237.

Newey, W. and K. West (1987). A Simple, Positive Semi-Definite, Heteroscedasticity and Autocorrelation Consistent Covariance Matrix. *Econometrica 55*, 703–708.

Niederhoffer, V. (1965). Clustering of Stock Prices. *Operations Research 13*, 258–265.

Niederhoffer, V. (1966). A New Look at Clustering of Stock Prices. *Journal of Business 39*, 309–313.

Niederhoffer, V. and M. Osborne (1966). Market Making and Reversal on the Stock Exchange. *Journal of the American Statistical Association 61*, 897–916.

Niyogi, P. and F. Girosi (1996). On the Relationship between Generalization Error, Hypothesis Complexity, and Sample Complexity for Radial Basis Functions. *Neural Computation 8*, 819–842.

Officer, R. (1972). The Distribution of Stock Returns. *Journal of the American Statistical Association 67*, 807–812.

Officer, R. (1973). The Variability of the Market Factor of the New York Stock Exchange. *Journal of Business 46*, 434–453.

Ogaki, M. (1992). Generalized Method of Moments: Econometric Applications. In G. Maddala, C. Rao, and H. Vinod (Eds.), *Handbook of Statistics, Volume 11: Econometrics*. North-Holland, Amsterdam.

O'Hara, M. (1995). *Market Microstructure Theory*. Blackwell Publishers, Cambridge, MA.

Oldfield, G., R. Rogaiski, and R. Jarrow (1977). An Autoregressive jump Process for Common Stock Returns. *Journal of Financial Economics 6*, 389–418.

Osborne, M. (1959). Brownian Motion in the Stock Market. *Operations Research 7*, 145–173.

Osborne, M. (1962). Periodic Structure in the Brownian Motion of Stock Prices. *Operations Research 10*, 345–379.

Pagan, A. and G. Schwert (1990). Alternative Models for Conditional Stock Volatility. *Journal of Econometrics 45*, 267–290.

Parker, D. (1985). Learning Logic. Working Paper 47, Center for Computational Research in Economics and Management Science, Massachusetts Institute of Technology.

Parkinson, M. (1980). The Extreme Value Method for Estimating the Variance of the Rate of Return. *Journal of Business 53*, 61–65.

Paskov, S. and J. Traub (1995). Faster Valuation of Financial Derivatives. *Journal of Portfolio Management 22*, 113–120.

Pau, L. (1991). Technical Analysis for Portfolio Trading by Syntactic Pattern Recognition. *Journal of Economic Dynamics and Control 15*, 715–730.

Pearson, N. and T. Sun (1994). Exploiting the Conditional Density in Estimating the Term Structure: An Application to the Cox, Ingersoll, and Ross Model. *Journal of Finance 49*, 1279–1304.

Pennacchi, G. (1991). Identifying the Dynamics of Real Interest Rates and Inflation: Evidence Using Survey Data. *Review of Financial Studies 4*, 53–86.

Perrakis, S. (1986). Option Bounds in Discrete Time: Extensions and the Price of the American Put. *Journal of Business 59*, 119–142.

Perrakis, S. and P. Ryan (1984). Option Pricing Bounds in Discrete Time. *Journal of Finance 39*, 519–525.

Perron, P. (1989). The Great Crash, the Oil Price Shock, and the Unit Root Hypothesis. *Econometrica 57*, 1361–1402.

Perron, P. (1991). Test Consistency With Varying Sampling Frequency. *Econometric Theory 7*, 341–368.

Pesaran, M. and S. Potter (1992). Nonlinear Dynamics and Econometrics: An Introduction. *Journal of Applied Econometrics 7(Supp)*, S1–S8.

Petersen, M. and S. Umlauf (1990). An Empirical Examination of the Intraday Behavior of the NYSE Specialist. working paper, Massachusetts Institute of Technology, Cambridge, MA.

Phillips, S. and C. Smith (1980). Trading Costs for Listed Options: The Implications for Market Efficiency. *Journal of Financial Economics 8*, 179–201.

Poggio, T. and F. Girosi (1990). Networks for Approximation and Learning. In *IEEE, special issue: Neural Networks I: Theory and Modeling*, Volume 78, pp. 1481–1497.

Poterba, J. and L. Summers (1986). The Persistence of Volatility and Stock Market Fluctuations. *American Economic Review 76*, 1142–1151.

Poterba, J. and L. Summers (1988). Mean Reversion in Stock Returns: Evidence and Implications. *Journal of Financial Economics 22*, 27–60.

Powell, M. (1987). Radial Basis Functions for Multivariable Interpolation: A Review. In J. Mason and M. Cox (Eds.), *Algorithms for Approximation*. Clarendon Press, Oxford, UK.

Prabhala, N. (1995). Conditional Methods in Event-Studies and An Equilibrium Justification for Using Standard Event-Study Procedures. School of Management, Yale University, New Haven, CT.

Praetz, P. (1972). The Distribution of Share Price Changes. *Journal of Business 45*, 49–55.

Priestley, M. (1988). *Non-Linear and Non-Stationary Time Series Analysis*. Academic Press, San Diego.

R. Lucas, J. (1978). Asset Prices in an Exchange Economy. *Econometrica 46*, 1429–1446.

Radner, R. (1982). Equilibrium Under Uncertainty. In K. Arrow and M. Intriligator (Eds.), *Handbook of Mathematical Economics, Volume II*, pp. 923–1006. North-Holland, New York.

Rady, S. (1994). State Prices Implicit in Valuation Formulae for Derivative Securities: A Martingale Approach. Discussion Paper 181, LSE Financial Markets Group, London, UK.

Randles, R. and D. Wolfe (1979). *Introduction to the Theory of Nonparametric Statistics*. John Wiley and Sons, New York.

Rao, T. S. and M. Gabr (1984). *An Introduction to Bispectral Analysis and Bi1inea Time Series Models*. Springer-Verlag, Berlin.

Reddington, F. (1952). Review of the Principle of Life-Office Valuations. *Journal of the Institute of Actuaries 78*, 286–340.

Reinsch, C. (1967). Smoothing by Spline Functions. *Numer Math 10*, 177–183.

Restoy, F. and P. Well (1993). Approximate Equilibrium Asset Pricing. unpublished paper, Bank of Spain and ECARE.

Richard, S. (1978). An Arbitrage Model of the Term Structure of Interest Rates. *Journal of Financial Economics 7*, 38–58.

Richardson, M. (1993). Temporary Components of Stock Prices: A Skeptic's View. *Journal of Business and Economic Statistics 11*, 199–207.

Richardson, M. and T. Smith (1991). Tests of Financial Models with the Presence of Overlapping Observations. *Review of Financial Studies 4*, 227–254.

Richardson, M. and T. Smith (1994). A Unified Approach to Testing for Serial Correlation in Stock Returns. *Journal of Business 67*, 371–399.

Richardson, M. and J. Stock (1989). Drawing Inferences from Statistics Based on Multi-Year Asset Returns. *Journal of Financial Economics 25*, 323–348.

Rietz, T. (1988). The Equity Risk Premium: A Solution? *Journal of Monetary Economics 21*, 117–132.

Ritchken, P. (1985). On Option Pricing Bounds. *Journal of Finance 40*, 1219–1233.

Ritter, J. (1990). Long-Run Performance of Initial Public Offerings. *Journal of Finance*.

Robbins, H. and S. Monro (1951a). A Stochastic Approximation Method. *Annals of Mathematical Statistics 25*, 737–744.

Robbins, H. and S. Monro (1951b). A Stochastic Approximation Model. *Annals of Mathematical Statistics 22*, 400–407.

Roberds, W., D. Runkle, and C. Whiteman (1996). A Daily View of Yield Spreads and Short-Term Interest Rate Movements. *Journal of Money, Credit and Banking 28*, 34–53.

Roberts, H. (1959). Stock-Market 'Patterns' and Financial Analysis: Methodological Suggestions. *Journal of Finance 14*, 1–40.

Robinson, M. (1988). Block Trades on the Major Canadian and U.S. Stock Exchanges: A Study of Pricing Behavior and Market Efficiency. unpublished Ph.D. dissertation, School of Business Administration, University of Western Ontario, Ontario, Canada.

Robinson, P. (1979). The Estimation of a Non-Linear Moving Average Model. *Stochastic Processes and Their Applications 5*, 81–90.

Roll, R. (1977). A Critique of the Asset Pricing Theory's Tests: Part I. *Journal of Financial Economics 4*, 129–176.

Roll, R. (1980). Orthogonal Portfolios. *Journal of Financial and Quantitative Analysis 15*, 1005–1023.

Roll, R. (1984). A Simple Implicit Measure of the Effective Bid-Ask Spread in an Efficient Market. *Journal of Finance 39*, 1127–1140.

Roll, R. and S. Ross (1980). An Empirical Investigation of the Arbitrage Pricing Theory. *Journal of Finance 35*, 1073–1103.

Roll, R. and S. Ross (1984). A Critical Reexamination of the Empirical Evidence on the Arbitrage Pricing Theory: A Reply. *Journal of Finance 39*, 347–350.

Roll, R. and S. Ross (1994). On the Cross-Sectional Relation between Expected Returns and Betas. *Journal of Finance 49*, 101–122.

Romano, J. and L. Thombs (1996). Inference for Autocorrelations under Weak Assumptions. *Journal of the American Statistical Association 91*, 590–600.

Rosenblatt, F. (1962). *Principles of Neurodynamics*. Spartan Books, New York.

Ross, S. (1976). The Arbitrage Theory of Capital Asset Pricing. *Journal of Economic Theory 13*, 341–360.

Ross, S. (1977). Risk, Return, and Arbitrage. In *Risk and Return in Finance I*, Number I. Friend and J. Bicksier. Ballinger, Cambridge, MA.

Rubin, D. and D. Thayer (1982). EM Algorithms for ML Factor Analysis. *Psychometrika 57*, 69–76.

Rubinstein, M. (1976). The Valuation of Uncertain Income Streams and the Pricing of Options. *Bell Journal of Economics 7*, 407–425.

Rubinstein, M. (1985). Nonparametric Tests of Alternative Option Pricing Models Using All Reported Trades and Quotes on the 30 Most Active CBOE Option Classes from August 23, 1976 through August 31, 1978. *Journal of Finance 40*, 455–480.

Rubinstein, M. (1994). Implied Binomial Trees. *Journal of Finance 49*, 771–818.

Rudebusch, G. (1995). Federal Reserve Interest Rate Targeting, Rational Expectations, and the Term Structure. *Journal of Monetary Economics 35*, 245–274.

Rumelhart, D., G. Hinton, and R. Williams (1986). Learning Internal Representation by Error Propagation. In D. Rumelhart and J. McClelland (Eds.), *Parallel Distributed Processing: Explorations in the Microstructure of Cognition, Volume 1: Foundations*, Chapter 8. Massachusetts Institute of Technology Press, Cambridge, MA.

Ruud, P. (1983). Sufficient Conditions for the Consistency of Maximum Likelihood Estimation Despite Misspecification of Distribution in Multinomial Discrete Choice Models. *Econometrica 51*, 225–228.

Samuelson, P. (1965). Proof that Properly Anticipated Prices fluctuate Randomly. *Industrial Management Review 6*, 41–49.

Samuelson, P. (1967). Efficient Portfolio Selection for Pareto-Levy Investments. *Journal of Financial and Quantitative Analysis 2*, 107–122.

Samuelson, P. (1969). Lifetime Portfolio Selection by Dynamic Stochastic Programming. *Review of Economics and Statistics 51*, 239–246.

Samuelson, P. (1972). Mathematics of Speculative Price. In R. Day and S. Robinson (Eds.), *Mathematical Topics in Economic Theory and Computation*. Society for Industrial and Applied Mathematics, Philadelphia, PA.

Samuelson, P. (1973). Proof that Properly Discounted Present Values of Assets Vibrate Randomly. *Bell Journal of Economics and Management Science 4*, 369–374.

Samuelson, P. (1976). Limited Liability, Short Selling, Bounded Utility, and Infinite-Variance Stable Distributions. *Journal of Financial and Quantitative Analysis*, 485–503.

Schaefer, S. (1981). Measuring a Tax-Specific Term Structure of Interest Rates in the Market for British Government Securities. *Economic Journal 91*, 415–431.

Schaefer, S. (1982). Tax-Induced Clientele Effects in the Market for British Government Securities. *Journal of Financial Economics*.

Scheinkman, J. and B. LeBaron (1989). Nonlinear Dynamics and Stock Returns. *Journal of Business 62*, 311–338.

Scheinkman, J. and M. Woodford (1994). Self-Organized Criticality and Economic fluctuations. *American Economic Review 84*, 417–421.

Schipper, K. and R. Thompson (1983). The Impact of Merger-Related Regulations on the Shareholders of Acquiring Firms. *Journal of Accounting Research 21*, 184–221.

Schipper, K. and R. Thompson (1985). The Impact of Merger-Related Regulations Using Exact Test Statistics. *Journal of Accounting Research 23*, 408–415.

Scholes, M. and J. Williams (1977). Estimating Betas from Nonsynchronous Data. *Journal of Financial Economics 5*, 309–328.

Schuss, Z. (1980). *Theory and Application of Stochastic Differential Equations*. John Wiley and Sons, New York.

Schwartz, E. (1977). The Valuation of Warrants: Implementing a New Approach. *Journal of Financial Economics 4*, 79–93.

Schwert, G. (1981). Using Financial Data to Measure the Effects of Regulation. *Journal of Law and Economics 24*, 121–157.

Schwert, G. (1989). Why Does Stock Market Volatility Change Over Time? *Journal of Finance 44*, 1115–1153.

Schwert, W. (1990, May-June). Stock Market Volatility. *Financial Analysts Journal*, 23–34.

Sclove, S. (1983a). Time-Series Segmentation: A Model and a Method. *Information Sciences 29*, 7–25.

Sclove, S. (1983b). On Segmentation of Time Series. In S. Karlin, T. Amemiya, and L. Goodman (Eds.), *Studies in Econometrics, Time Series, and Multivariate Statistics*. Academic Press, New York.

Scott, L. (1985). The Present Value Model of Stock Prices: Regression Tests and Monte Carlo Results. *Review of Economics and Statistics 67*, 599–607.

Scott, L. (1987). Option Pricing when the Variance Changes Randomly: Theory, Estimation, and an Application. *Journal of Financial and Quantitative Analysis 22*, 419–438.

Sentana, F. (1991). Quadratic ARCH Models: A Potential Reinterpretation of ARCH Models as Second-Order Taylor Approximations. unpublished paper, London School of Economics.

Serfling, R. (1980). *Approximation Theorems of Mathematical Statistics*. John Wiley and Sons, New York.

Shanken, J. (1982). The Arbitrage Pricing Theory: Is It Testable? *Journal of Finance 37*, 1129–1140.

Shanken, J. (1985a). Multi-Beta CAPM or Equilibrium APT? A Reply. *Journal of Finance 40*, 1189–1196.

Shanken, J. (1985b). Multivariate Tests of the Zero-Beta CAPM. *Journal of Financial Economics 14*, 327–348.

Shanken, J. (1986). Testing Portfolio Efficiency When the Zero-Beta Rate Is Unknown. *Journal of Finance 41*, 269–276.

Shanken, J. (1987a). Multivariate Proxies and Asset Pricing Relations: Living with the Roll Critique. *Journal of Financial Economics 18*, 91–110.

Shanken, J. (1987b). Nonsynchronous Data and the Covariance: Factor Structure of Returns. *Journal of Finance 42*, 221–232.

Shanken, J. (1987c). A Bayesian Approach to Testing Portfolio Efficiency. *Journal of Financial Economics 19*, 195–215.

Shanken, J. (1992a). The Current State of the Arbitrage Pricing Theory. *Journal of Finance 47*, 1569–1574.

Shanken, J. (1992b). On the Estimation of Beta-Pricing Models. *Review of Financial Studies 5*, 1–34.

Sharpe, W. (1964). Capital Asset Prices: A Theory of Market Equilibrium under Conditions of Risk. *Journal of Finance 19*, 425–442.

Sharpe, W. (1970). *Portfolio Theory and Capital Markets*. McGraw-Hill, New York, NY.

Sharpe, W., G. Alexander, and J. Bailey (1995). *Investments* (5th ed.). Prentice-Hall, Englewood Cliffs, NJ.

Shea, G. (1984). Pitfalls in Smoothing Interest Rate Term Structure Data: Equilibrium Models and Spline Approximations. *Journal of Financial and Quantitative Analysis 19*, 253–269.

Shea, G. (1985). Interest Rate Term Structure Estimation with Exponential Splines: A Note. *Journal of Finance 40*, 319–325.

Shefrin, H. and M. Statman (1985). The Disposition to Ride Winners Too Long and Sell Lowers Too Soon: Theory and Evidence. *Journal of Finance 41*, 774–790.

Shephard, N. and S. Kim (1994). Stochastic Volatility: Likelihood Inference and Comparison with ARCH Models. unpublished paper, Nuffleld College, Oxford, and Princeton University.

Shiller, R. (1981). Do Stock Prices Move Too Much to Be Justified by Subsequent Changes in Dividends? *American Economic Review 71*, 421–436.

Shiller, R. (1984). Stock Prices and Social Dyramics. *Brookings Papers on Economic Activity 2*, 457–498.

Shiller, R. (1989). *Market Volatility*. Massachusetts Institute of Technology Press, Cambridge, MA.

Shiller, R. (1990). The Term Structure of Interest Rates. In B. Friedman and F. Hahn (Eds.), *Handbook of Monetary Economics*. North-Holland, Amsterdam.

Shiller, R., J. Campbell, and K. Schoenholtz (1983). Forward Rates and Future Policy: Interpreting the Term Structure of Interest Rates. *Brookings Papers on Economic Activity 1*, 173–217.

Shiller, R. and P. Perron (1985). Testing the Random Walk Hypothesis: Power Versus Frequency of Observation. *Economics Letters 18*, 381–386.

Shimko, D. (1991). Beyond Implied Volatility: Probability Distributions and Hedge Ratios Implied by Option Prices. working paper, University of Southern California.

Shimko, D. (1993). Bounds of Probability. *RISK 6*, 33–37.

Shorack, G. and J. Wellner (1986). *Empirical Processes with Applications to Statistics*. John Wiley and Sons, New York.

Sias, R. and L. Starks (1994). Institutions, Individuals and Return Autocorrelations. Working Paper. University of Texas, Austin.

Siegel, J. (1994). *Stocks for the Long Run*. Norton, New York.

Silvey, S. (1975). *Statistical Inference*. Chapman and Hall, London.

Simkowitz, M. and W. Beedles (1980). Asymmetric Stable Distributed Security Returns. *Journal of the American Statistical Association 75*, 306–312.

Sims, C. (1974). Output and Labor Input in Manufacturing. *Brookings Papers on Economic Activity 3*, 695–728.

Sims, C. (1977). Exogeneity and Causal Ordering in Macroeconomic Models. In *New Methods in Business cycle Research: Proceedings from a Conference*. Federal Reserve Bank of Minneapolis.

Singleton, K. (1990). Specification and Estimation of Intertemporal Asset Pricing Models. In B. Friedman and F. Hahn (Eds.), *Handbook of Monetary Economics*. North-Holland, Amsterdam.

Smith, A. (1968). *The Money Game*. Random House, New York.

Smith, C. (1976). Option Pricing: A Review. *Journal of Financial Economics 3*, 3–51.

Stambaugh, R. (1982). On the Exclusion of Assets from Tests of the Two Parameter Model. *Journal of Financial Economics 10*, 235–268.

Stambaugh, R. (1986). Bias in Regressions with Lagged Stochastic Regressors. CRSP Working Paper 56, University of Chicago.

Stambaugh, R. (1988). The Information in Forward Rates: Implications for Models of the Term Structure. *Journal of Financial Economics 21*, 41–70.

Startz, R. (1989). The Stochastic Behavior of Durable and Non-Durable Consumption. *Review of Economics and Statistics 71*, 356–363.

Stein, E. and J. Stein (1991). Stock Price Distributions with Stochastic Volatility: An Analytic Approach. *Review of Financial Studies 4*, 727–753.

Stoker, T. (1986). Consistent Estimation of Scaled Coefficients. *Econometrica 54*, 1461–1481.

Stoker, T. (1991). Equivalence of Direct, indirect and Slope. Estimators of Average Derivatives. In W. Barnett, J. Powell, and G. Tauchen (Eds.), *Nonpararnetric and Semiparametric Methods in Econometrics and Statistics*. Cambridge University Press, Cambridge, UK.

Stoker, T. (1992). Lectures on Semiparametric Econometrics. CORE Lecture Series, CORE Foundation, Louvain-la-Neuve, Belgium.

Stoll, H. (1978). The Supply of Dealer Services in Securities Markets. *Journal of Finance 33*, 1133–1151.

Stoll, H. (1985). *The Stock Exchange Specialist System: An Economic Analysis*. Salomon Brothers Center, New York University, New York.

Stoll, H. (1989). Inferring the Components of the Bid-Ask Spread: Theory and Empirical Tests. *Journal of Finance 44*, 115–134.

Stoll, H. and R. Whaley (1990). Stock Market Structure and Volatility. *Review Financial Studies 3*, 37–71.

Strang, G. (1976). *Linear Algebra and Its Applications*. Academic Press, New York.

Stuart, A. and K. Ord (1987). *Kendall's Advanced Theory of Statistics*, Volume I–III. Oxford University Press, New York.

Stutzer, M. (1995). A Simple Nonparametric Approach to Derivative Security Valuation. working paper, Carison School of Management, University of Minnesota.

Suits, D., A. Mason, and L. Chan (1978). Spline Functions Fitted by Standard Regression Methods. *Review of Economics and Statistics 60*, 132–139.

Summers, L. (1986). Does the Stock Market Rationally Reflect Fundamental Values? *Journal of Finance 41*, 591–600.

Sun, T. (1992). Real and Nominal Interest Rates: A Discrete-Time Model and its Continuous-Time Limit. *Review of Financial Studies 5*, 581–611.

Sundaresan, S. (1989). Intertemporally Dependent Preferences and the Volatility of Consumption and Wealth. *Review of Financial Studies 2*, 73–88.

Sundaresan, S. (1996). *Fixed-Income Securities*. forthcoming.

Svensson, L. (1994). Estimating and Interpreting Forward Interest Rates; Sweden 1992–1994. Working Paper 4871, NBER, Cambridge, MA.

Taylor, M. and H. Allen (1992). The Use of Technical Analysis in the Foreign Exchange Market. *Journal of International Money and Finance 11*, 304–314.

Taylor, S. (1986). *Modelling Financial Time Series*. John Wiley and Sons, London.

Teräsvirta, D. T. T. and C. Granger (1994). Aspects of Modelling Nonlinear Time Series. In R. Engle and D. McFadden (Eds.), *Handbook of Econometrics*, Volume IV. Elsevier, Amsterdam.

Thisted, R. (1991). Assessing the Effect of Allergy Medications: Models for Paired Comparisons on Ordered Categories. *Statistics of Medicine forthcoming*.

Thompson, J. and H. Stewart (1986). *Nonlinear Dynamics and Chaos*. John Wiley and Sons, New York.

Tiniç, S. (1972). The Economics of Liquidity Services. *Quarterly Journal of Economics 86*, 79–93.

Tirole, J. (1982). On the Possibility of Speculation under Rational Expectations. *Econometrica 50*, 1163–1181.

Tirole, J. (1985). Asset Bubbles and Overlapping Generations. *Econometrica 53*, 1499–1527.

Tong, H. (1983). *Threshold Models in Nonlinear Time Series Analysis*. Springer-Verlag, New York.

Tong, H. (1990). *Non-linear Time Series: A Dynamic System Approach*. Oxford University Press, Oxford.

Treynor, J. and R. Ferguson (1985). In Defense of Technical Analysis. *Journal of Finance 40*, 757–773.

Trzcinka, C. (1986). On the Number of Factors in the Arbitrage Pricing Model. *Journal of Finance 41*, 347–368.

Tsay, R. (1986). Nonlinearity Tests for Time Series. *Biometrika 73*, 461–466.

Tucker, A. (1992). A Reexamination of Finite- and Infinite-Variance Distributions as Models of Daily Stock Returns. *Journal of Business and Economic Statistics 10*, 73–81.

Turnbull, S. and F. Mime (1991). A Simple Approach to Interest-Rate Option Pricing. *Review of Financial Studies 4*, 87–120.

Tversky, A. and D. Kahneman (1992). Advances in Prospect Theory: Cumulative Representation of Uncertainty. *Journal of Risk and Uncertainty 5*, 297–323.

Vapnik, V. (1982). *Estimation of Dependences Based on Empirical Data*. Springer-Verlag, Berlin.

Vasicek, O. (1977). An Equilibrium Characterization of the Term Structure. *Journal of Financial Economics 5*, 177–188.

Vasicek, O. and H. Fong (1982). Term Structure Modelling Using Exponential Splines. *Journal of Finance 37*, 339–341.

Vayanos, D. (1995). Transaction Costs and Asset Prices: A Dynamic Equilibrium Model. unpublished paper, Stanford University.

Volterra, V. (1959). *Theory of Functionals and of Integro-Differential Equations*. Dover, New York.

Wahba, G. (1990). Spline Models for Observational Data. In *Regional Conference Series in Applied Mathematics*, Volume 59. SIAM Press, Philadelphia.

Wallis, W. and H. Roberts (1956). *Statistics: A New Approach*. Free Press, New York.

Wang, J. (1993). A Model of Intertemporal Asset Prices Under Asymmetric Information. *Review of Economic Studies 60*, 249–282.

Wang, J. (1994). A Model of Competitive Stock Trading Volume. *Journal of Political Economy 102*, 127–168.

Weil, P. (1989). The Equity Premium Puzzle and the Risk-Free Rate Puzzle. *Journal of Monetary Economics 24*, 401–421.

West, K. (1988a). Bubbles, Fads, and Stock Price Volatility Tests: A Partial Evaluation. *Journal of Finance 43*, 639–656.

West, K. (1988b). Dividend Innovations and Stock Price Volatility. *Econometrica 56*, 37–61.

Wheatley, S. (1988). Some Tests of the Consumption-Based Asset Pricing Model. *Journal of Monetary Economics 22*, 193–218.

White, H. (1980). A Heteroskedasticity-Consistent Covariance Matrix Estimator and a Direct Test for Heteroskedasticity. *Econometrica 48*, 817–838.

White, H. (1982). Maximum Likelihood Estimation of Misspecified Models. *Econometrica 50*, 1–25.

White, H. (1984). *Asymptotic Theory for Econometricians*. Academic Press, Orlando, FL.

White, H. (1992). *Artificial Neural Networks: Approximation and Learning Theory*. Blackwell Publishers, Cambridge, MA.

White, H. and I. Domowitz (1984). Nonlinear Regression with Dependent Observations. *Econometrica 52*, 143–162.

Widrow, B. and S. Steams (1985). *Adaptive Signal Processing*. Prentice-Hall, Englewood Cliffs, NJ.

Wiener, N. (1923). Differential-Space. *Journal of Mathematics and Physics 2*, 131–174.

Wiggins, J. (1987). Option Values Under Stochastic Volatility: Theory and Empirical Estimates. *Journal of Financial Economics 19*, 351–372.

Wilcox, D. (1992). The Construction of U.S. Consumption Data: Some Facts and Their Implications for Empirical Work. *American Economic Review 82*, 922–941.

Wood, R., T. Mclnish, and K. Ord (1985). An Investigation of Transactions Data for NYSE Stocks. *Journal of Finance 40*, 723–738.

Working, H. (1960). Note on the Correlation of First Differences of Averages in a Random Chain. *Econometrica 28*, 916–918.

Yaari, M. (1987). The Dual Theory of Choice Under Risk. *Econometrica 55*, 95–115.

Zarowin, P. (1989). Short-Run Overreaction: Size and Seasonality Effect. *Journal of Portfolio Management 25*, 26–29.

Zehna, P. (1966). Invariance of Maximum Likelihood Estimation. *Annals of Mathematical Statistics 37*, 744–744.