

Bibliography

- [1] ABBEY, MICHAEL, AND MICHAEL J. COREY. *Oracle8: a Beginner's Guide*. Berkeley, California: Osborne/McGraw-Hill, 1997.
- [2] ABKEN, PETER A. "An Empirical Evaluation of Value at Risk by Scenario Simulation." *The Journal of Derivatives*, 7, No. 4 (Summer 2000), 12–29.
- [3] ABKEN, PETER A., AND MILIND M. SHRIKHANDE. "The Role of Currency Derivatives in Internationally Diversified Portfolios." *Economic Review*, 3rd Quarter, 1997, pp. 34–59.
- [4] ABRAHAMS, STEVEN W. "The New View in Mortgage Prepayments: Insight from Analysis at the Loan-by-Loan Level." *The Journal of Fixed Income*, 7, No. 1 (June 1997), 8–21.
- [5] ABRAMOWITZ, M., AND I.A. STEGUN. (Ed.) *Handbook of Mathematical Functions*. New York: Dover, 1972.
- [6] ACWORTH, PETER, MARK BROADIE, AND PAUL GLASSERMAN. "A Comparison of Some Monte Carlo and Quasi Monte Carlo Techniques for Option Pricing." In *Monte Carlo and Quasi-Monte Carlo Methods*. Edited by Harald Niederreiter, et al. New York: Springer, 1998.
- [7] ADAMIDOU, EVDOKIA, YOSI BEN-DOV, LISA PENDERGAST, AND VINCENT PICA. "The Optimal Portfolio System: Targeting Horizon Total Returns under Varying Interest-Rate Scenarios." In [930, Chapter 6].
- [8] ADAMS, K.J., AND D.R. VAN DEVENTER. "Fitting Yield Curves and Forward Rate Curves with Maximum Smoothness." *The Journal of Fixed Income*, 4, No. 1 (June 1994), 52–62.
- [9] AHN, DONG-HYUN, JACOB BOUDOUKH, MATTHEW RICHARDSON, AND ROBERT F. WHITELAW. "Optimal Risk Management Using Options." *The Journal of Finance*, 54, No. 1 (February 1999), 359–375.
- [10] AHN, DONG-HYUN, STEPHEN FIGLEWSKI, AND BIN GAO. "Pricing Discrete Barrier Options with an Adaptive Mesh Model." *The Journal of Derivatives*, 6, No. 4 (Summer 1999), 33–43.
- [11] AINGWORTH, DONALD, RAJEEV MOTWANI, AND JEFFREY D. OLDHAM. "Accurate Approximations for Asian Options." Manuscript, July 13, 1999. To appear in *Proc. 11th Annual ACM-SIAM Symposium on Discrete Algorithms*, San Francisco, 2000.
- [12] AÏT-SAHALIA, YACINE. "Testing Continuous-Time Models of the Spot Interest Rate." *The Review of Financial Studies*, 9, No. 2 (Spring 1996), 385–426.
- [13] ALLEN, ARNOLD O. *Probability, Statistics, and Queueing Theory with Computer Science Applications*. 2nd ed. New York: Academic Press, 1990.
- [14] ALSOP, STEWART. "E or Be Eaten." *Fortune*, November 8, 1999.
- [15] AMERMAN, DANIEL R. *Collateralized Mortgage Obligations*. New York: McGraw-Hill, 1996.
- [16] AMES, WILLIAM F. *Numerical Methods for Partial Differential Equations*. 3rd ed. New York: Academic Press, 1992.
- [17] AMIN, KAUSHIK I. "On the Computation of Continuous Time Option Pricing Using Discrete Approximations." *Journal of Financial and Quantitative Analysis*, 26, No. 4 (December 1991), 477–495.
- [18] AMIN, KAUSHIK I., AND JAMES N. BODURTHA, JR. "Discrete-Time Valuation of American Options with Stochastic Interest Rates." *The Review of Financial Studies*, 8, No. 1 (1995), 193–234.
- [19] AMIN, KAUSHIK, AND AJAY KHANNA. "Convergence of American Option Values from Discrete to Continuous-Time Financial Models." *Mathematical Finance*, Vol. 4 (1994), 289–304.
- [20] AMIN, KAUSHIK I., AND ANDREW J. MORTON. "Implied Volatility Functions in Arbitrage-Free Term Structure Models." *Journal of Financial Economics*, Vol. 35 (1994), 141–180.
- [21] ANDERSEN, LEIF, AND PHELM P. BOYLE. "Monte Carlo Methods for the Valuation of Interest Rate Securities." In [539, Chapter 13].
- [22] ANDERSON, K., AND S. AMERO. "Scenario Analysis and the Use of Options in Total Return Portfolio Management." In [332, Chapter 7].
- [23] ANDERSON, THEODORE W. *The Statistical Analysis of Time Series*. New York: John Wiley, 1971.
- [24] ANDERSON, THEODORE W. *An Introduction to Multivariate Statistical Analysis*. 2nd ed. New York: John Wiley, 1984.
- [25] ANDERSON, THOMAS E., DAVID E. CULLER, DAVID A. PATTERSON, AND THE NOW TEAM. "A Case for NOW (Networks of Workstations)." *IEEE Micro*, 15, No. 1 (February 1995), 54–64.
- [26] ANDREASEN, JESPER. "The Pricing of Discretely Sampled Asian and Lookback Options: a Change of Numeraire Approach." *The Journal of Computational Finance*, 2, No. 1 (Fall 1998), 5–30.
- [27] ANDREWS, GEORGE E. *The Theory of Partitions*. Reading, Massachusetts: Addison-Wesley, 1976.
- [28] ANGEL, EDWARD, AND RICHARD BELLMAN. *Dynamic Programming and Partial Differential Equations*. New York: Academic Press, 1972.

- [29] AOYAMA, M. "Is MPT Applicable to Japan?" *The Journal of Portfolio Management*, 21, No. 1 (Fall 1994), 103–111.
- [30] ARISTOTLE. *The Politics of Aristotle*. Translated by Ernest Barker. London: Oxford University Press, 1971.
- [31] ARNOLD, LUDWIG. *Stochastic Differential Equations: Theory and Applications*. New York: John Wiley, 1973.
- [32] ARROW, KENNETH J., AND F.H. HAHN. *General Competitive Analysis*. San Francisco: Holden-Day, 1971.
- [33] ARTZNER, PHILIPPE, AND FREDDY DELBAEN. "Term Structure of Interest Rates: the Martingale Approach." *Advances in Applied Mathematics*, 10, No. 1 (March 1989), 95–129.
- [34] ASAY, M.R., F.-H. GUILLAUME, AND R.K. MATTU. "Duration and Convexity of Mortgage-Backed Securities: Some Hedging Implications from a Simple Prepayment-Linked Present-Value Model." In [331, pp. 103–125].
- [35] ASNESS, C. "OAS Models, Expected Returns, and a Steep Yield Curve." *The Journal of Portfolio Management*, 19, No. 4 (Summer 1993), 85–93.
- [36] ATKINSON, KENDALL E. *An Introduction to Numerical Analysis*. 2nd ed. New York: John Wiley, 1989.
- [37] AUDLEY, DAVID, RICHARD CHIN, SHRIKANT RAMAMURTHY, AND SUSAN VOLIN. "OAS and Effective Duration." In [339, Chapter 20].
- [38] BAASE, S. *Computer Algorithms: Introduction to Design and Analysis*. Reading, Massachusetts: Addison-Wesley, 1988.
- [39] BABEL, DAVID F., AND CRAIG B. MERRILL. *Valuation of Interest-Sensitive Financial Instruments*. SOA Monograph M-FI96-1. Schaumburg, Illinois: The Society of Actuaries, 1996.
- [40] BACKUS, DAVID, SILVERIO FORESI, ABON MOZUMDAR, AND LIUREN WU. "Predictable Changes in Yields and Forward Rates." Manuscript, December 18, 1997.
- [41] BACKUS, DAVID, SILVERIO FORESI, AND CHRIS TELMER. *Models of Bond Pricing*. Manuscript, September 10, 1996.
- [42] BACKUS, DAVID, SILVERIO FORESI, AND CHRIS TELMER. "Discrete-Time Models of Bond Pricing." In [539, Chapter 4].
- [43] BACKUS, DAVID, SILVERIO FORESI, AND STANLEY ZIN. "Arbitrage Opportunities in Arbitrage-Free Models of Bond Pricing." Manuscript, April 16, 1996. To appear in *Journal of Business and Economic Statistics*.
- [44] BACKUS, DAVID K., ALLAN W. GREGORY, AND STANLEY E. ZIN. "Risk Premiums in the Term Structure: Evidence from Artificial Economies." *Journal of Monetary Economics*, Vol. 24 (1989), 371–399.
- [45] BAKSHI, GURDIP, CHARLES CAO, AND ZHIWU CHEN. "Empirical Performance of Alternative Option Pricing Models." *The Journal of Finance*, 52, No. 5 (December 1997), 2003–2049.
- [46] BAKSHI, GURDIP, CHARLES CAO, AND ZHIWU CHEN. "Do Call Prices and the Underlying Stock Always Move in the Same Direction?" *The Review of Financial Studies*, 13, No. 3 (Fall 2000), 549–584.
- [47] BALDUZZI, PIERLUIGI, SANJIV RANJAN DAS, SILVERIO FORESI, AND RANGARAJAN SUNDARAM. "A Simple Approach to Three-Factor Affine Term Structure Models." *The Journal of Fixed Income*, 6, No. 3 (December 1996), 43–53.
- [48] BALI, TURAN G. "Testing the Empirical Performance of Stochastic Volatility Models of the Short-Term Interest Rate." *Journal of Financial and Quantitative Analysis*, 35, No. 2 (June 2000), 191–215.
- [49] BALL, CLIFFORD A. "Estimation Bias Induced by Discrete Security Prices." *The Journal of Finance*, 43, No. 4 (September 1988), 841–865.
- [50] BALL, CLIFFORD A., AND ANTONIO ROMA. "Stochastic Volatility Option Pricing." *Journal of Financial and Quantitative Analysis*, 29, No. 4 (December 1994), 589–607.
- [51] BALL, CLIFFORD A., AND WALTER N. TOROUS. "Bond Price Dynamics and Options." *Journal of Financial and Quantitative Analysis*, 18, No. 4 (December 1983), 517–531.
- [52] BANK FOR INTERNATIONAL SETTLEMENTS. "Central Bank Survey of Foreign Exchange and Derivatives Market Activity." Monetary and Economic Department, Bank for International Settlements. May 1996.
- [53] BARAN, NICHOLAS. "The Greatest Show on Earth." *BYTE*, 20, No. 7 (July 1995), 69–86.
- [54] BARBER, JOEL R., AND MARK L. COPPER. "Is Bond Convexity a Free Lunch?" *The Journal of Portfolio Management*, 24, No. 1 (Fall 1997), 113–119.
- [55] BARRAQUAND, JÉRÔME, AND THIERRY PUDET. "Pricing of American Path-Dependent Contingent Claims." *Mathematical Finance*, 6, No. 1 (January 1996), 17–51.
- [56] BARTLETT, W.W. *Mortgage-Backed Securities*. New York: New York Institute of Finance, 1989.
- [57] BARTLETT, W.W. *The Valuation of Mortgage-Backed Securities*. Burr Ridge, Illinois: Richard D. Irwin, 1994.
- [58] BATTIG, ROBERT J., AND ROBERT A. JARROW. "The Second Fundamental Theorem of Asset Pricing: a New Approach." *The Review of Financial Studies*, 12, No. 5 (Winter 1999), 1219–1235.
- [59] BAUMOHL, BERNARD. "The Banks' Nuclear Secrets." *Time*, May 25, 1998.
- [60] BAXTER, MARTIN. "General Interest-Rate Models and the Universality of HJM." Manuscript.
- [61] BAXTER, MARTIN, AND ANDREW RENNIE. *Financial Calculus: an Introduction to Derivative Pricing*. Cambridge: Cambridge University Press, 1998.
- [62] BECKETTI, SEAN. "Are Derivatives Too Risky for Banks?" *Economic Review*, 3rd Quarter, 1993, pp. 27–42.

- [63] BEDER, TANYA STYBLO. "VAR: Seductive but Dangerous." *Financial Analysts Journal*, September–October 1995, pp. 12–24.
- [64] BENNINGA, S. *Numerical Techniques in Finance*. Cambridge, Massachusetts: The MIT Press, 1989.
- [65] BERNERS-LEE, TIM. "WWW: Past, Present, and Future." *Computer*, 29, No. 10 (October 1996), 69–77.
- [66] BERNSTEIN, PETER L. *Capital Ideas: the Improbable Origins of Modern Wall Street*. New York: The Free Press, 1992.
- [67] BERNSTEIN, PETER L. *Against the Gods: the Remarkable Story of Risk*. New York: John Wiley, 1996.
- [68] BERTSEKAS, DIMITRI P. *Dynamic Programming: Deterministic and Stochastic Models*. Englewood Cliffs, New Jersey: Prentice-Hall, 1987.
- [69] BERTSEKAS, DIMITRI P., AND JOHN N. TSITSIKLIS. *Parallel and Distributed Computation: Numerical Methods*. Englewood Cliffs, New Jersey: Prentice-Hall, 1989.
- [70] BHAGAVATULA, RAVI S., AND PETER P. CARR. Valuing Double Barrier Options with Fourier Series." Manuscript, September 12, 1997.
- [71] BHIDÉ, A. "Return to Judgment." *The Journal of Portfolio Management*, 20, No. 2 (Winter 1994), 19–25.
- [72] BICK, AVI., AND WALTER WILLINGER. "Dynamic Programming without Probabilities." *Stochastic Processes and Their Applications*, 50, No. 2 (April 1994), 349–374.
- [73] BIERWAG, GERALD O. "Immunization, Duration, and the Term Structure of Interest Rates." *Journal of Financial and Quantitative Analysis*, 12, No. 5 (December 1977), 725–742.
- [74] BIERWAG, GERALD O. "The Ho-Lee Binomial Stochastic Process and Duration." *The Journal of Fixed Income*, 6, No. 2 (September 1996), 76–87.
- [75] BILLINGSLEY, PATRICK. *Convergence of Probability Measures*. New York: John Wiley, 1968.
- [76] BJERKSUND, PETER, AND GUNNAR STENSLAND. "Implementation of the Black-Derman-Toy Interest Rate Model." *The Journal of Fixed Income*, 6, No. 2 (September 1996), 67–75.
- [77] BJÖRCK, AKE. *Numerical Methods for Least Squares Problems*. Philadelphia: SIAM, 1996.
- [78] BJÖRCK, TOMAS. "Interest Rate Theory CIME Lectures 1996." Working paper No. 133, Stockholm School of Economics, November 1996. To appear in *Springer Lecture Notes in Mathematics*.
- [79] BJÖRCK, TOMAS, AND BENT JESPER CHRISTENSEN. "Interest Rate Dynamics and Consistent Forward Rate Curves." Manuscript, November 18, 1997.
- [80] BJÖRCK, TOMAS, GIOVANNI DI MASI, YURI KABANOV, AND WOLFGANG RUNGGLADIER. "Towards a General Theory of Bond Markets." *Finance and Stochastics*, Vol. 1 (1997), 141–174.
- [81] BLACK, FISCHER. "The Pricing of Commodity Contracts." *Journal of Financial Economics*, 3, Nos. 1/2 (January/March 1976), 167–179.
- [82] BLACK, FISCHER. "Living Up to the Model." In [771, Chapter 1].
- [83] BLACK, FISCHER. "Estimating Expected Return." *Financial Analysts Journal*, 49, No. 5 (September–October 1993), 36–38.
- [84] BLACK, FISCHER. "Beta and Return." *The Journal of Portfolio Management*, 20, No. 1 (Fall 1993), 8–11.
- [85] BLACK, FISCHER. "Interest Rates as Options." *The Journal of Finance*, 50, No. 5 (December 1995), 1371–1376.
- [86] BLACK, FISCHER, EMANUEL DERMAN, AND WILLIAM TOY. "A One-Factor Model of Interest Rates and Its Application to Treasury Bond Options." *Financial Analysts Journal*, 46, No. 1 (January–February 1990), 33–39.
- [87] BLACK, FISCHER, AND PIOTR KARASINSKI. "Bond and Option Pricing When Short Rates Are Lognormal." *Financial Analysts Journal*, 47, No. 4 (July–August 1991), 52–59.
- [88] BLACK, FISCHER, AND MYRON SCHOLES. "The Valuation of Option Contracts and a Test of Market Efficiency." *The Journal of Finance*, Vol. 27 (1972), 399–418.
- [89] BLACK, FISCHER, AND MYRON SCHOLES. "The Pricing of Options and Corporate Liabilities." *Journal of Political Economy*, 81, No. 3 (May–June 1973), 637–654.
- [90] BLAKE, DAVID. *Financial Market Analysis*. New York: McGraw-Hill, 1990.
- [91] BLAKE, DAVID, AND J. MICHAEL ORSZAG. "A Closed-Form Formula for Calculating Bond Convexity." *The Journal of Fixed Income*, 6, No. 1 (June 1996), 88–91.
- [92] BLISS, ROBERT R. "Testing Term Structure Estimation Methods." Manuscript, November 1996. To appear in *Advances in Futures and Options Research*.
- [93] BLISS, ROBERT R. "Movements in the Term Structure of Interest Rates." *Economic Review*, 4th Quarter, 1997, pp. 16–33.
- [94] BLISS, ROBERT R., AND PETER RITCHKEN. "Empirical Tests of Two State-Variable Heath-Jarrow-Morton Models." *Journal of Money, Credit, and Banking*, 28, No. 3, Part 2 (August 1996), 452–476.
- [95] BLISS, ROBERT, AND DAVID SMITH. "The Elasticity of Interest Rate Volatility—Chan, Karolyi, Longstaff and Sanders Revisited." *The Journal of Risk*, 1, No. 1 (Fall 1998), 21–46.
- [96] BLYTH, STEPHEN, AND JOHN UGLUM. "Rates of Skew." *Risk*, 12, No. 7 (July 1999), 61–63.
- [97] BOARD OF TRADE OF THE CITY OF CHICAGO. *Commodity Trading Manual*. Chicago Board of Trade, 1994.
- [98] BODIE, ZVI, ALEX KANE, AND ALAN J. MARCUS. *Investments*. 4th ed. New York: McGraw-Hill, 1999.
- [99] BODURTHA, JAMES N., JR., AND GEORGES R. COURTADON. "Tests of an American Option Pricing Model on the Foreign Currency Options Market." *Journal of Financial and Quantitative Analysis*, 22, No. 2 (June 1987), 153–167.
- [100] BOGLE, JOHN C. *Bogle on Mutual Funds*. New York: Dell, 1994.

- [101] BOLLERSLEV, TIM. "Generalized Autoregressive Conditional Heteroscedasticity." *Journal of Econometrics*, Vol. 31, 1986, pp. 307–327.
- [102] BOLLOBÁS, BÉLA. *Random Graphs*. New York: Academic Press, 1985.
- [103] BOOCH, G. *Object Oriented Design with Applications*. Redwood City, California: Benjamin/Cummings, 1991.
- [104] BORODIN, ALLAN, AND RAN EL-YANIV. *Online Computation and Competitive Analysis*. Cambridge: Cambridge University Press, 1998.
- [105] BORODIN, ALLAN, AND IAN MUNRO. *The Computational Complexity of Algebraic and Numeric Problems*. New York: American Elsevier, 1975.
- [106] BORODIN, ANDREI N., AND PAAVO SALMINEN. *Handbook of Brownian Motion—Facts and Formulae*. Basel: Birkhäuser Verlag, 1996.
- [107] BOUAZIZ, LAURENT, ERIC BRIYS, AND MICHEL CROUHY. "The Pricing of Forward-Starting Asian Options." *Journal of Banking & Finance*, Vol. 18 (1994), 823–839.
- [108] BOYLE, PHELIM P. "Options: a Monte Carlo Approach." *Journal of Financial Economics*, Vol. 4 (1977), 323–338.
- [109] BOYLE, PHELIM P. "A Lattice Framework for Option Pricing with Two State Variables." *Journal of Financial and Quantitative Analysis*, 23, No. 1 (March 1988), 1–12.
- [110] BOYLE, PHELIM P., MARK BROADIE, AND PAUL GLASSERMAN. "Monte Carlo Methods for Security Pricing." *Journal of Economic Dynamics & Control*, Vol. 21 (1997), 1267–1321.
- [111] BOYLE, PHELIM P., AND DAVID EMANUEL. "Discretely Adjusted Option Hedges." *Journal of Financial Economics*, Vol. 8 (1980), 259–282.
- [112] BOYLE, PHELIM, JEREMY EVNINE, AND STEPHEN GIBBS. "Numerical Evaluation of Multivariate Contingent Claims." *The Review of Financial Studies*, 2, No. 2 (1989), 241–250.
- [113] BOYLE, PHELIM, AND SOK HOON LAU. "Bumping Up against the Barrier with the Binomial Method." *The Journal of Derivatives*, 1, No. 4 (Summer 1994), 6–14.
- [114] BOYLE, PHELIM, AND KEN SENG TAN. "Lure of the Linear." *Risk*, April 1994.
- [115] BOYLE, PHELIM, AND YISONG "SAM" TIAN. "Pricing Lookback and Barrier Options under the CEV Process." *Journal of Financial and Quantitative Analysis*, 34, No. 2 (June 1999), 241–264.
- [116] BOYLE, PHELIM, AND Y.K. TSE. "An Algorithm for Computing Values of Options on the Maximum or Minimum of Several Assets." *Journal of Financial and Quantitative Analysis*, 25, No. 2 (June 1990), 215–227.
- [117] BOYLE, PHELIM, AND TON VORST. "Option Replication in Discrete Time with Transaction Cost." *The Journal of Finance*, 47, No. 1 (March 1992), 271–293.
- [118] BRACE, ALAN, DARIUSZ GĄTAREK, AND MAREK MUSIELA. "The Market Model of Interest Rate Dynamics." *Mathematical Finance*, 7, No. 2 (April 1997), 127–155.
- [119] BRANDENBURGER, ADAM M., AND BARRY J. NALEBUFF. "The Right Game: Use Game Theory To Shape Strategy." *Harvard Business Review*, 73, No. 4 (July–August 1995), 57–71.
- [120] BRAUER, J.S., AND L.S. GOODMAN. "Hedging with Options and Option Products." In [332, Chapter 9].
- [121] BRAZIL, A.J. "Citicorp's Mortgage Valuation Model Option-Adjusted Spreads and Option-Based Durations." Research Series, Citicorp Fixed Income Research, Vol. 2, No. 1, September 1987. Also in *Journal of Real Estate Finance and Economics*, Vol. 1 (1988).
- [122] BRENNAN, MICHAEL J. "The Pricing of Contingent Claims in Discrete Time Models." *The Journal of Finance*, 34, No. 1 (March 1979), 53–68.
- [123] BRENNAN, MICHAEL J., AND EDUARDO S. SCHWARTZ. "Convertible Bonds: Valuation and Optimal Strategies for Call and Conversion." *The Journal of Finance*, 32, No. 5 (December 1977), 1699–1715.
- [124] BRENNAN, MICHAEL J., AND EDUARDO S. SCHWARTZ. "A Continuous Time Approach to the Pricing of Bonds." *Journal of Banking & Finance*, 3, No. 2 (July 1979), 133–155.
- [125] BRENNAN, MICHAEL J., AND EDUARDO S. SCHWARTZ. "Analyzing Convertible Bonds." *Journal of Financial and Quantitative Analysis*, 15, No. 4 (November 1980), 907–929.
- [126] BRENNAN, MICHAEL J., AND EDUARDO S. SCHWARTZ. "An Equilibrium Model of Bond Pricing and a Test of Market Efficiency." *Journal of Financial and Quantitative Analysis*, 17, No. 3 (September 1982), 301–329.
- [127] BRENNAN, MICHAEL J., AND EDUARDO S. SCHWARTZ. "Determinants of GNMA Mortgage Prices." *Journal of the American Real Estate & Urban Economics Association*, 13, No. 3 (Fall 1985), 209–228.
- [128] BRENNER, MENACHEM, GEORGES COURTADON, AND MARTI SUBRAHMANYAM. "Options on the Spot and Options on Futures." *The Journal of Finance*, 40, No. 5 (December 1985), 1303–1317.
- [129] BRENNER, ROBIN J., RICHARD H. HARJES, AND KENNETH F. KRONER. "Another Look at Models of the Short-Term Interest Rate." *Journal of Financial and Quantitative Analysis*, 31, No. 1 (March 1996), 85–107.
- [130] BROADIE, MARK, AND JEROME DETEMPLE. "American Option Valuation: New Bounds, Approximations, and a Comparison of Existing Methods." *The Review of Financial Studies*, 9, No. 4 (Winter 1996), 1211–1250.
- [131] BROADIE, MARK, AND PAUL GLASSERMAN. "Estimating Security Price Derivatives Using Simulation." *Management Science*, 42, No. 2 (February 1996), 269–285.
- [132] BROADIE, MARK, AND PAUL GLASSERMAN. "Pricing American-Style Securities Using Simulation." *Journal of Economic Dynamics & Control*, Vol. 21 (1997), 1323–1352.
- [133] BROADIE, MARK, PAUL GLASSERMAN, AND GAUTAM JAIN. "Enhanced Monte Carlo Estimates for American Option Prices." *The Journal of Derivatives*, Fall 1997, pp. 25–44.

- [134] BROADIE, MARK, PAUL GLASSERMAN, AND STEVEN KOU. "A Continuity Correction for Discrete Barrier Options." *Mathematical Finance*, 7, No. 4 (October 1997), 325–349.
- [135] BROCATO, J., AND P.R. CHANDY. "Does Market Timing Really Work in the Real World?" *The Journal of Portfolio Management*, 20, No. 2 (Winter 1994), 39–44.
- [136] BROOKS, ROBERT, AND DAVID YONG YAN. "London Inter-Bank Offer Rate (LIBOR) versus Treasury Rate: Evidence from the Parsimonious Term Structure Model." *The Journal of Fixed Income*, 9, No. 1 (June 1999), 71–83.
- [137] BROWN, DAVID T. "The Determinants of Expected Returns on Mortgage-Backed Securities: an Empirical Analysis of Option-Adjusted Spreads." *The Journal of Fixed Income*, 9, No. 2 (September 1999), 8–18.
- [138] BROWN, ROGER H., AND STEPHEN M. SCHAEFER. "The Term Structure of Real Interest Rates and the Cox, Ingersoll, and Ross Model." *Journal of Financial Economics*, 35, No. 1 (February 1994), 3–42.
- [139] BROWN, ROGER H., AND STEPHEN M. SCHAEFER. "Interest Rate Volatility and the Shape of the Term Structure." *Phil. Trans. R. Soc. Lond., A* 347, No. 1684 (June 15, 1994), 563–576.
- [140] BROWN, ROGER H., AND STEPHEN M. SCHAEFER. "Ten Years of the Real Term Structure: 1984–1994." *The Journal of Fixed Income*, March 1996, pp. 6–22.
- [141] BROWN, STEPHEN J., AND PHILIP H. DYBVIK. "The Empirical Implications of the Cox, Ingersoll, Ross Theory of the Term Structure of Interest Rates." *The Journal of Finance*, 41, No. 3 (July 1986), 617–632.
- [142] BÜHLER, WOLFGANG, MARLIESE UHRIG-HOMBURG, ULRICH WALTER, AND THOMAS WEBER. "An Empirical Comparison of Forward-Rate and Spot-Rate Models for Valuing Interest-Rate Options." *The Journal of Finance*, 54, No. 1 (February 1999), 269–305.
- [143] BURKE, EDMUND. *Reflections on the Revolution in France*. First published in 1790. New York: Penguin, 1969.
- [144] BUSINESS WEEK. Special 1994 Bonus Issue: the Information Revolution. *Business Week*, 1994.
- [145] BUTTERFIELD, HERBERT. *The Origins of Modern Science*. Revised ed. New York: The Free Press, 1965.
- [146] BYKHOVSKY, MICHAEL, AND LAKHBIR HAYRE. "Anatomy of PAC Bonds." *The Journal of Fixed Income*, 2, No. 1 (June 1992), 44–50.
- [147] CAFLISCH, RUSSEL E., AND WILLIAM MOROKOFF. "Valuation of Mortgage Backed Securities Using the Quasi-Monte Carlo Method." Manuscript, August 8, 1996.
- [148] CAMPBELL, JOHN Y. "A Defense of Traditional Hypotheses about the Term Structure of Interest Rates." *The Journal of Finance*, 41, No. 1 (March 1986), 183–193.
- [149] CAMPBELL, JOHN Y. "Some Lessons from the Yield Curve." *The Journal of Economic Perspectives*, 9, No. 3 (Summer 1995), 129–152.
- [150] CAMPBELL, JOHN Y. "Understanding Risk and Return." *Journal of Political Economy*, 104, No. 2 (1996), 298–345.
- [151] CAMPBELL, JOHN Y., AND JOHN AMMER. "What Moves the Stock and Bond Markets? A Variance Decomposition for Long-Term Asset Returns." *The Journal of Finance*, 48, No. 1 (March 1993), 3–37.
- [152] CAMPBELL, JOHN Y., ANDREW W. LO, AND A. CRAIG MACKINLAY. *The Econometrics of Financial Markets*. Princeton: Princeton University Press, 1997.
- [153] CAMPBELL, JOHN Y., AND ROBERT J. SHILLER. "Stock Prices, Earnings, and Expected Dividends." *The Journal of Finance*, 43, No. 3 (July 1988), 661–676.
- [154] CANABARRO, EDUARDO. "Where Do One-Factor Interest Rate Models Fail?" *The Journal of Fixed Income*, 5, No. 2 (September 1995), 31–52.
- [155] CANINA, LINDA, AND STEPHEN FIGLEWSKI. "The Informational Content of Implied Volatility." *The Review of Financial Studies*, 6, No. 3 (1993), 659–681.
- [156] CAO, H. HENRY. "The Effect of Derivative Assets on Information Acquisition and Price Behavior in a Rational Expectations Equilibrium." *The Review of Financial Studies*, 12, No. 1 (Spring 1999), 131–163.
- [157] CARAYANNOPOULOS, PETER. "The Mispricing of U.S. Treasury Callable Bonds." *The Journal of Futures Markets*, 15, No. 8 (1995), 861–879.
- [158] CARLETON, W., AND I. COOPER. "Estimation and Uses of the Term Structure of Interest Rates." *The Journal of Finance*, 31, No. 4 (September 1976), 1067–1083.
- [159] CARR, PETER. "Randomization and the American Put." *The Review of Financial Studies*, 11, No. 3 (1998), 597–626.
- [160] CARR, PETER, REN-RAW CHEN, AND LOUIS O. SCOTT. "Valuing the Timing Option and the Quality Option in Treasury Bond Futures Contracts." Manuscript, January 1996.
- [161] CARR, PETER, AND MARC CHESNEY. "American Put Call Symmetry." Manuscript, November 13, 1996.
- [162] CARR, PETER, AND ANDREW CHOU. "Breaking Barriers: Static Hedging of Barrier Securities." Manuscript, November 7, 1996.
- [163] CARR, PETER, AND ANDREW CHOU. "Hedging Complex Barrier Options." Manuscript, April 1, 1997.
- [164] CARR, PETER, AND KATRINA ELLIS. "Non-Standard Valuation of Barrier Options." Manuscript, February 9, 1995.
- [165] CARR, PETER, KATRINA ELLIS, AND VISHAL GUPTA. "Static Hedging of Exotic Options." Manuscript, February 25, 1997. To appear in *The Journal of Finance*.
- [166] CARR, PETER, AND GUANG YANG. "Simulating American Bond Options in an HJM Framework." Manuscript, December 15, 1996.

- [167] CARRON, ANDREW S. "Understanding CMOs, REMICs, and Other Mortgage Derivatives." *The Journal of Fixed Income*, 2, No. 1 (June 1992), 25–43.
- [168] CARRON, ANDREW S. "Collateralized Mortgage Obligations." In [339, Chapter 25].
- [169] CARVERHILL, ANDREW. "When Is the Short Rate Markovian?" *Mathematical Finance*, 4, No. 4 (October 1994), 305–312.
- [170] CARVERHILL, ANDREW. "A Note on the Models of Hull and White for Pricing Options on the Term Structure." *The Journal of Fixed Income*, 5, No. 2 (September 1995), 89–96.
- [171] CARVERHILL, ANDREW. "A Simplified Exposition of the Heath, Jarrow and Morton Model." *Stochastics and Stochastics Reports*, 53, Nos. 3+4 (1995), 227–240.
- [172] CARVERHILL, ANDREW, AND KIN PANG. "Efficient and Flexible Bond Option Valuation in the Heath, Jarrow, Morton Framework." *The Journal of Fixed Income*, 5, No. 2 (September 1995), 70–77.
- [173] CASTRO, ELIZABETH. *HTML for the World Wide Web*. Berkeley, California: Peachpit Press, 1998.
- [174] CHALASANI, PRASAD, SOMESH JHA, FEYZULLAH EGRIBOYUN, AND ASHOK VARIKOOTY. "A Refined Binomial Lattice for Pricing American Asian Options." *Review of Derivatives Research*, Vol. 3 (1999), 85–105.
- [175] CHALASANI, PRASAD, SOMESH JHA, AND ISAAC SAIAS. "Approximate Option Pricing." In *Proc. 37th Annual Symposium on Foundations of Computer Science*, 1996, pp. 244–253. Also in *Algorithmica*, Vol. 25 (1999), 2–21.
- [176] CHALASANI, PRASAD, SOMESH JHA, AND ASHOK VARIKOOTY. "Accurate Approximations for European Asian Options." Manuscript, June 26, 1997.
- [177] CHAMBERS, DONALD R., WILLARD T. CARLETON, AND DONALD W. WALDMAN. "A New Approach to Estimation of the Term Structure of Interest Rates." *Journal of Financial and Quantitative Analysis*, 19, No. 3 (September 1984), 233–252.
- [178] CHAN, GEORGE WEI-TSO. *Theory and Practice of Option Pricing in Taiwan*. Master's Thesis. Department of Computer Science and Information Engineering, National Taiwan University, Taiwan, 1998.
- [179] CHAN, K.C., G. ANDREW KAROLYI, FRANCIS A. LONGSTAFF, AND ANTHONY B. SANDERS. "An Empirical Comparison of Alternative Models of the Short-Term Interest Rate." *The Journal of Finance*, 47, No. 3 (July 1992), 1209–1227.
- [180] CHAN, L.K.C., AND J. LAKONISHOK. "Are the Reports of Beta's Death Premature?" *The Journal of Portfolio Management*, 19, No. 4 (Summer 1993), 51–62.
- [181] CHANCE, DON M., AND DON RICH. "The Pricing of Equity Swaps and Swaptions." *The Journal of Derivatives*, 5, No. 4 (Summer 1998), 19–31.
- [182] CHANG, CAROLYN W., AND JACK S.K. CHANG. "Forward and Futures Prices: Evidence from the Foreign Exchange Markets." *The Journal of Finance*, 45, No. 4 (September 1990), 1333–1336.
- [183] CHANG, CAROLYN W., JACK S.K. CHANG, AND KIAN-GUAN LIM. "Information-Time Option Pricing: Theory and Empirical Evidence." To appear in *Journal of Financial Economics*.
- [184] CHAPMAN, DAVIS, AND JEFF HEATON. *SAMS Teach Yourself Visual C++ 6 in 21 Days*. Indianapolis, Indiana: SAMS, 1999.
- [185] CHAO, KUN-YUAN. *Combinatorial Methods for Double-Barrier Option Pricing*. Master's Thesis. Department of Computer Science and Information Engineering, National Taiwan University, Taiwan, 1999.
- [186] CHELO, NEIL R. "Can Volatility Be Your Friend?" *Indeaxes*, Issue 4, April–June 2000, pp. 22–25.
- [187] CHEN, GEN-HUEY, MING-YANG KAO, YUH-DAUH LYUU, AND HSING-KUO WONG. "Optimal Buy-and-Hold Strategies for Financial Markets with Bounded Daily Returns." In *Proc. 31st Annual ACM Symposium on Theory of Computing*, 1999, pp. 119–128. To appear in *SIAM Journal on Computing*.
- [188] CHEN, J. BRADLEY, YASUHIRO ENDO, KEE CHAN, DAVID MAZIÉRES, ANTONIO DIAS, MARGO SELTZER, AND MICHAEL D. SMITH. "The Measured Performance of Personal Computer Operating Systems." *ACM Transactions on Computer Systems*, 14, No. 1 (February 1996), 3–40.
- [189] CHEN, REN-RAW. *Understanding and Managing Interest Rate Risks*. Manuscript, March 1996. To be published by World Scientific.
- [190] CHEN, REN-RAW, AND LOUIS SCOTT. "Pricing Interest Rate Options in a Two-Factor Cox-Ingersoll-Ross Model of the Term Structure." *The Review of Financial Studies*, 4, No. 4 (1992), 613–636.
- [191] CHEN, REN-RAW, AND LOUIS SCOTT. "Maximum Likelihood Estimation for a Multifactor Equilibrium Model of the Term Structure of Interest Rates." *The Journal of Fixed Income*, December 1993, pp. 14–31.
- [192] CHEN, REN-RAW, AND LOUIS SCOTT. "Interest Rate Options in Multifactor Cox-Ingersoll-Ross Models of the Term Structure." *The Journal of Derivatives*, 3, No. 2 (Winter 1995), 53–72.
- [193] CHEN, REN-RAW, AND TYLER T. YANG. "A Universal Lattice." *Review of Derivatives Research*, 3, No. 2 (1999), 115–133.
- [194] CHEN, SI. "Understanding Option-Adjusted Spreads: the Implied Prepayment Hypothesis." *The Journal of Portfolio Management*, Summer 1996, 104–113.
- [195] CHEN, WEI-JUI. *Calibrating Interest Rate Models with Differential Tree Algorithms: the Case of Black-Derman-Toy Model*. Master's Thesis. Department of Computer Science and Information Engineering, National Taiwan University, Taiwan, 1997.
- [196] CHEN, WEI-JUI, AND YUH-DAUH LYUU. "Calibrating Interest Rate Models with Differential Tree Algorithms: the Case of the Black-Derman-Toy Model." In *Proc. 1997 National Computer Symposium (NCS'97)*, Tung-Hai University, Taiwan, December 1997, pp. A19–A24.

- [197] CHEN, YUAN-WANG. *Towards Creating Taiwan's Put Market*. Master's Thesis. Department of Computer Science and Information Engineering, National Taiwan University, Taiwan, 1999.
- [198] CHENG, CHIA-JEN. *On Hull-White Models: One and Two Factors*. Master's Thesis. Department of Computer Science and Information Engineering, National Taiwan University, Taiwan, 1998.
- [199] CHENG, SUSAN T. "On the Feasibility of Arbitrage-Based Option Pricing When Stochastic Bond Price Processes Are Involved." *Journal of Economic Theory*, 5, No. 1 (February 1991), 185–198.
- [200] CHERIAN, JOSEPH A., AND ROBERT A. JARROW. "Options Markets, Self-Fulfilling Prophecies, and Implied Volatilities." *Review of Derivatives Research*, 2, No. 1 (1998), 5–37.
- [201] CHERNOFF, HERMAN, AND LINCOLN E. MOSES. *Elementary Decision Theory*. New York: Dover, 1986.
- [202] CHERNOW, RON. *The House of Morgan: an American Banking Dynasty and the Rise of Modern Finance*. New York: Simon & Schuster, 1991.
- [203] CHEUK, TERRY H.F., AND TON C.F. VORST. "Complex Barrier Options." *The Journal of Derivatives*, 4, No. 1 (Fall 1996), 8–22.
- [204] CHEYETTE, OREN. "Term Structure Dynamics and Mortgage Valuation." *The Journal of Fixed Income*, March 1992, pp. 28–41.
- [205] CHEYETTE, OREN. "OAS Analysis for CMOs." *The Journal of Portfolio Management*, 20, No. 4 (Summer 1994), 53–66.
- [206] CHEYETTE, OREN, SAM CHOI, AND ELENA BLANTER. "The New BARRA Fixed Rate Prepayment Model." Spring 1996, BARRA.
- [207] CHIEN, ANDREW. "High Performance Virtual Machines: Supercomputing on Windows NT Clusters." In *Proc. Alliance'98*, April 1998.
- [208] CHO, D. CHINHYUNG, AND EDWARD W. FREES. "Estimating the Volatility of Discrete Stock Prices." *The Journal of Finance*, 43, No. 2 (June 1988), 451–466.
- [209] CHO, HE YOUN, AND KI WOOK LEE. "An Extension of the Three-Jump Process Model for Contingent Claim Valuation." *The Journal of Derivatives*, Vol. 3 (Fall 1995), 102–108.
- [210] CHOI, SAM, AND MIKE SCHUMACHER. "GNMA II 30-Year Pass-Through MBS Prepayment Analysis." *The Journal of Fixed Income*, 6, No. 4 (March 1997), 99–104.
- [211] CHOPRA, VIJAY K., AND WILLIAM T. ZIEMBA. "The Effect of Errors in Means, Variances, and Covariances on Optimal Portfolio Choice." *The Journal of Portfolio Management*, Winter 1993, pp. 6–11.
- [212] CHOW, Y.S., HERBERT ROBBINS, AND DAVID SIEGMUND. *Great Expectations: the Theory of Optimal Stopping*. Boston: Houghton Mifflin, 1971.
- [213] CHRISTENSEN, PETER E., FRANK J. FABOZZI, AND ANTHONY LOFASO. "Bond Immunization: an Asset/Liability Optimization Strategy." In [339, Chapter 42].
- [214] CHRISTENSEN, PETER OVE, AND BJARNE G. SØRENSEN. "Duration, Convexity, and Time Value." *The Journal of Portfolio Management*, 20, No. 2 (Winter 1994), 51–60.
- [215] CHRISTIE, ANDREW A. "The Stochastic Behavior of Common Stock Variances: Value, Leverage and Interest Rate Effects." *Journal of Financial Economics*, 10, No. 4 (December 1982), 407–432.
- [216] CHUA, J. "A Closed-Form Formula for Calculating Bond Duration." *Financial Analysts Journal*, Vol. 40 (1984), 76–78.
- [217] CHUNG, KAI LAI. *A Course in Probability Theory*. 2nd ed. New York: Academic Press, 1974.
- [218] CHUNG, KAI LAI, AND R.J. WILLIAMS. *Introduction to Stochastic Integration*. Boston: Birkhäuser, 1983.
- [219] CHURCHILL, RUEL V. *Fourier Series and Boundary Value Problems*. 2nd ed. New York: McGraw-Hill, 1963.
- [220] CHVÁTAL, VAŠEK. *Linear Programming*. New York: Freeman, 1983.
- [221] CLEWLOW, LES, AND ANDREW CARVERHILL. "On the Simulation of Contingent Claims." *The Journal of Derivatives*, Winter 1994, pp. 66–74.
- [222] CLEWLOW, LES, AND CHRIS STRICKLAND. *Implementing Derivatives Models*. Chichester, England: John Wiley, 1998.
- [223] CODD, EDGAR F. "A Relational Model of Data for Large Shared Data Banks." *Communications of the ACM*, 13, No. 6 (June 1970), 377–397.
- [224] COHEN, J.B., E.D. ZINBARG, AND A. ZEIKEL. *Investment Analysis and Portfolio Management*. 4th ed. Burr Ridge, Illinois: Richard D. Irwin, 1982.
- [225] COHLER, GENE, MARK FELDMAN, AND BRIAN LANCASTER. "Price of Risk Constant (PORC): Going beyond OAS." *The Journal of Fixed Income*, 6, No. 4 (March 1997), 6–15.
- [226] COLEMAN, THOMAS S., LAWRENCE FISHER, AND ROGER G. IBBOTSON. "Estimating the Term Structure of Interest Rates from Data That Include the Prices of Coupon Bonds." *The Journal of Fixed Income*, 2, No. 2 (September 1992), 85–116.
- [227] COLLIN-DUFRESNE, P., AND JOHN P. HARDING. "A Closed Form Formula for Valuing Mortgages." *Journal of Real Estate Finance and Economics*, 19, No. 2 (September 1999), 133–146.
- [228] CONNOLLY, KEVIN B. *Pricing Convertible Bonds*. New York: John Wiley, 1998.
- [229] CONNOR, G. "Hedging." In [318, pp. 164–171].
- [230] CONSTANTINIDES, GEORGE M. "A Theory of the Nominal Term Structure of Interest Rates." *The Review of Financial Studies*, 5, No. 4 (1992), 531–552.
- [231] CONTE, SAMUEL D., AND CARL DE BOOR. *Elementary Numerical Analysis: an Algorithmic Approach*. 3rd ed. New York: McGraw-Hill, 1980.
- [232] CONZE, ANTOINE, AND VISWANATHAN. "Path Dependent Options: the Case of Lookback Options." *The Journal of Finance*, 46, No. 5 (December 1991), 1893–1907.

- [233] COOPERS & LYBRAND. *Interest Rate Swap*. Burr Ridge, Illinois: Richard D. Irwin, 1992.
- [234] CORMEN, THOMAS H., CHARLES E. LEISERSON, AND RONALD L. RIVEST. *Introduction to Algorithms*. Cambridge, Massachusetts: The MIT Press, 1992.
- [235] CORRADO, CHARLES J., AND TIE SU. "Implied Volatility Skews and Stock Index Skewness and Kurtosis Implied by S&P 500 Index Option Prices." *The Journal of Derivatives*, Summer 1997, pp. 8–19.
- [236] COURTADON, GEORGES. "An Introduction to Numerical Methods in Option Pricing." In [358, Chapter 14].
- [237] COX, DAVID R., AND HILTON D. MILLER. *The Theory of Stochastic Processes*. London: Chapman & Hall, 1995.
- [238] COX, JOHN C., JONATHAN E. INGERSOLL, JR., AND STEPHEN A. ROSS. "Duration and the Measurement of Basis Risk." *Journal of Business*, 52, No. 1 (1979), 51–61.
- [239] COX, JOHN C., JONATHAN E. INGERSOLL, JR., AND STEPHEN A. ROSS. "A Re-Examination of Traditional Hypothesis about the Term Structure of Interest Rates." *The Journal of Finance*, 36, No. 4 (September 1981), 769–799.
- [240] COX, JOHN C., JONATHAN E. INGERSOLL, JR., AND STEPHEN A. ROSS. "The Relationship between Forward Prices and Futures Prices." *Journal of Financial Economics*, Vol. 9 (December 1981), 321–346.
- [241] COX, JOHN C., JONATHAN E. INGERSOLL, JR., AND STEPHEN A. ROSS. "A Theory of the Term Structure of Interest Rates." *Econometrica*, 53, No. 2 (March 1985), 385–407.
- [242] COX, JOHN C., STEPHEN A. ROSS, AND MARK RUBINSTEIN. "Option Pricing: a Simplified Approach." *Journal of Financial Economics*, 7, No. 3 (September 1979), 229–263.
- [243] COX, JOHN C., AND MARK RUBINSTEIN. *Options Markets*. Englewood Cliffs, New Jersey: Prentice-Hall, 1985.
- [244] CRABBE, LELAND E., AND JOSEPH D. ARGILAGOS. "Anatomy of the Structured Note Market." *Journal of Applied Corporate Finance*, 7, No. 3 (Fall 1994), 85–98.
- [245] CRABBE, LELAND E., AND PANOS NIKOULIS. "The Puttable Bond Market: Structure, Historical Experience, and Strategies." *The Journal of Fixed Income*, 7, No. 3 (December 1997), 47–60.
- [246] CRACK, TIMOTHY FALCON, AND SANJAY K. NAWALKHA. "Interest Rate Sensitivities of Bond Risk Measures." *Financial Analysts Journal*, 56, No. 1 (January–February 2000), 34–43.
- [247] CROWNOVER, RICHARD M. *Introduction to Fractals and Chaos*. Boston: Jones & Bartlett, 1995.
- [248] CURRAN, MICHAEL. "Valuing Asian and Portfolio Options by Conditioning on the Geometric Mean Price." *Management Science*, 40, No. 12 (December 1994), 1705–1711.
- [249] CURRAN, MICHAEL. "Accelerating American Option Pricing in Lattices." *The Journal of Derivatives*, 3, No. 2 (Winter 1995), 8–18.
- [250] CUTLAND, NIGEL J., EKKEHARD KOPP, AND WALTER WILLINGER. "From Discrete to Continuous Financial Models: New Convergence Results for Option Pricing." *Mathematical Finance*, 3, No. 2 (April 1993), 101–123.
- [251] DAHL, F. *The Random House Personal Investment Calculator*. New York: Random House, 1990.
- [252] DAHL, HENRIK. "A Flexible Approach to Interest-Rate Risk Management." In [930, Chapter 8].
- [253] DAHL, HENRIK, ALEXANDER MEERAUS, AND STAVROS A. ZENIOS. "Some Financial Optimization Models: I Risk Management." In [930, Chapter 1].
- [254] DAHL, HENRIK, ALEXANDER MEERAUS, AND STAVROS A. ZENIOS. "Some Financial Optimization Models: II Financial Engineering." In [930, Chapter 2].
- [255] DAHL, ROALD. *Revolting Rhymes*. London: Puffin Books, 1984.
- [256] DAHLQUIST, MAGNUS. "On Alternative Interest Rate Processes." *Journal of Banking & Finance*, Vol. 20 (1996), 1093–1119.
- [257] DAI, TIAN-SHYR. *Pricing Path-Dependent Derivatives*. Master's Thesis. Department of Computer Science and Information Engineering, National Taiwan University, Taiwan, 1999.
- [258] DAI, TIAN-SHYR, GUAN-SHIENG HUANG, AND YUH-DAUH LYUU. "Accurate Approximation Algorithms for Asian Options." Manuscript, November 2000.
- [259] DAI, TIAN-SHYR, AND YUH-DAUH LYUU. "Efficient Algorithms for Average-Rate Option Pricing." In *Proc. 1999 National Computer Symposium (NCS'99)*, Tamkang University, Taiwan, December 1999, pp. A-359–A-366.
- [260] DAI, TIAN-SHYR, AND YUH-DAUH LYUU. "Efficient, Exact Algorithms for Asian Options with Multiresolution Lattices." Manuscript, January 2001.
- [261] DAI, TIAN-SHYR, AND YUH-DAUH LYUU. "Very Fast Algorithms for Lookback Option Pricing." Manuscript, June 2000.
- [262] DARWIN, CHARLES. *The Autobiography of Charles Darwin, 1809–1882*. First published in 1887. New York: W.W. Norton, 1958.
- [263] DAS, SANJIV RANJAN. "Credit Risk Derivatives." *The Journal of Derivatives*, Spring 1995, pp. 7–23.
- [264] DAS, SANJIV RANJAN, AND RANGARAJAN K. SUNDARAM. "A Discrete-Time Approach to Arbitrage-Free Pricing of Credit Derivatives." *Management Science*, 46, No. 1 (January 2000), 46–62.
- [265] DAS, SANJIV RANJAN, AND RANGARAJAN K. SUNDARAM. "Of Smiles and Smirks: a Term Structure Perspective." *Journal of Financial and Quantitative Analysis*, 34 No. 2 (June 1999), 211–239.
- [266] DATTATREYA, R.E., AND FRANK J. FABOZZI. "A Simplified Model for the Valuation of Debt Options." In [332, Chapter 4].

- [267] DAVES, PHILLIP R., AND MICHAEL C. EHRHARDT. "Joint Cross-Section/Time-Series Maximum Likelihood Estimation for the Parameters of the Cox-Ingersoll-Ross Bond Pricing Model." *The Financial Review*, 28, No. 2 (May 1993), 203–237.
- [268] DAVIDSON, ANDREW S. "Overview of Alternative Duration Measures for Mortgage-Backed Securities." In [331, pp. 67–79].
- [269] DAVIDSON, ANDREW S., AND MICHAEL D. HERSKOVITZ. "Analyzing MBS: a Comparison of Methods for Analyzing Mortgage-Backed Securities." In [333, pp. 305–328].
- [270] DAVIDSON, ANDREW S., AND MICHAEL D. HERSKOVITZ. *Mortgage-Backed Securities: Investment Analysis & Advanced Valuation Techniques*. Chicago, Illinois: Probus, 1994.
- [271] DAVIDSON, JAMES. *Stochastic Limit Theory: an Introduction for Econometricians*. London: Oxford University Press, 1994.
- [272] DAVIS, M.H.A., AND J.M.C. CLARK. "A Note on Super-Replicating Strategies." *Phil. Trans. R. Soc. Lond.*, A 347, No. 1684 (June 15, 1994), 485–494.
- [273] DBMS. Special Report: Parallel Database Special. *DBMS*, March 1995, pp. A–X.
- [274] DEITEL, HARVEY M., AND PAUL J. DEITEL. *Java How To Program: with an Introduction to Visual J++*. Upper Saddle River, New Jersey: Prentice-Hall, 1997.
- [275] DEITEL, HARVEY M., AND PAUL J. DEITEL. *C++ How To Program*. 2nd ed. Upper Saddle River, New Jersey: Prentice-Hall, 1998.
- [276] DELBAEN, FREDDY. "Consols in the CIR Model." *Mathematical Finance*, 3, No. 2 (April 1993), 125–134.
- [277] DEMBO, RON S. "Scenario Immunization." In [930, Chapter 12].
- [278] DENG, YONGHENG. "Mortgage Termination: an Empirical Hazard Model with a Stochastic Term Structure." *Journal of Real Estate Finance and Economics*, 14, No. 3 (1997), 309–331.
- [279] DERMAN, EMANUEL, AND IRAJ KANI. "Riding on a Smile." *Risk*, 7, No. 2 (February 1994), 32–39.
- [280] DERMAN, EMANUEL, DENIZ ERGENER, AND IRAJ KANI. "Static Options Replication." *The Journal of Derivatives*, 2, No. 4 (Summer 1995), 78–95.
- [281] DERMAN, EMANUEL, IRAJ KANI, DENIZ ERGENER, AND INDRAJIT BARDHAN. "Enhanced Numerical Methods for Options with Barriers." *Financial Analysts Journal*, 51, No. 6 (November–December 1995), 65–74.
- [282] DEROSA, P., L. GOODMAN, AND M. ZAZZARINO. "Duration Estimates on Mortgage-Backed Securities." *The Journal of Portfolio Management*, 19, No. 2 (Winter 1993), 32–38.
- [283] DEVORE, J.L. *Probability and Statistics for Engineering and the Sciences*. Monterey, California: Brooks/Cole, 1987.
- [284] DEWYNNE, J.N., A.E. WHALLEY, AND P. WILMOTT. "Path-Dependent Options and Transaction Costs." *Phil. Trans. R. Soc. Lond.*, A 347, No. 1684 (June 15, 1994), 517–529.
- [285] DEZHBAKHSH, HASHEM. "Foreign Exchange Forward and Futures Prices: Are They Equal?" *Journal of Financial and Quantitative Analysis*, 29, No. 1 (March 1994), 75–87.
- [286] DHARAN, VENKAT G. "Pricing Path-Dependent Interest Rate Contingent Claims Using a Lattice." *The Journal of Fixed Income*, 6, No. 4 (March 1997), 40–49.
- [287] DIMAND, ROBERT W. "The Case of Brownian Motion: a Note on Bachelier's Contribution." *British Journal for History of Science*, 26, Part 2, No. 89 (June 1993), 233–234.
- [288] DIXIT, AVINASH K. *Optimization in Economic Theory*. 2nd ed. Oxford: Oxford University Press, 1995.
- [289] DIXIT, A.K., AND R.S. PINDYCK. "The Options Approach to Capital Investment." *Harvard Business Review*, 73, No. 3 (May–June 1995), 105–115.
- [290] DOOB, JUSTIN L. *Stochastic Processes*. New York: John Wiley, 1953.
- [291] DORFMAN, ROBERT, PAUL A. SAMUELSON, AND ROBERT M. SOLOW. *Linear Programming and Economic Analysis*. New York: Dover, 1987.
- [292] DOTHAN, M. "On the Term Structure of Interest Rates." *Journal of Financial Economics*, Vol. 7 (1978), 229–264.
- [293] DOWD, KEVIN. "A Value at Risk Approach to Risk-Return Analysis." *The Journal of Portfolio Management*, 25, No. 4 (Summer 1999), 60–67.
- [294] DOWNES, J., AND J.E. GOODMAN. *Dictionary of Finance and Investment Terms*. Hauppauge, New York: Barron's, 1987.
- [295] DRAW, CHI-SHANG. *Path-Dependent Option Pricing*. Master's Thesis. Department of Computer Science and Information Engineering, National Taiwan University, Taiwan, 2000.
- [296] DUAN, JIN-CHUAN. "The GARCH Option Pricing Model." *Mathematical Finance*, 5, No. 1 (January 1995), 13–32.
- [297] DUAN, JIN-CHUAN. "A Unified Theory of Option Pricing under Stochastic Volatility—from GARCH to Diffusion." Manuscript, October 1996.
- [298] DUAN, JIN-CHUAN, GENEVIÈVE GAUTHIER, AND JEAN-GUY SIMONATO. "An Analytical Approximation for the GARCH Option Pricing Model." *The Journal of Computational Finance*, 2, No. 4 (Summer 1999), 75–116.
- [299] DUAN, JIN-CHUAN, AND JEAN-GUY SIMONATO. "American Option Pricing under GARCH by a Markov Chain Approximation." Manuscript, November 1996.
- [300] DUFFIE, DARRELL. *Security Markets: Stochastic Models*. New York: Academic Press, 1988.
- [301] DUFFIE, DARRELL. *Dynamic Asset Pricing Theory*. 2nd ed. Princeton: Princeton University Press, 1996.
- [302] DUFFIE, DARRELL, AND RUI KAN. "Multi-Factor Term Structure Models." *Phil. Trans. R. Soc. Lond.*, A 347, No. 1684 (June 15, 1994), 577–586.
- [303] DUFFIE, DARRELL, JIN MA, AND JIONGMING YONG. "Black's Consol Rate Conjecture." *The Annals of Applied Probability*, 5, No. 2 (May 1995), 356–382.

- [304] DUFFIE, DARRELL, AND JUN PAN. "An Overview of Value at Risk." *The Journal of Derivatives*, 4, No. 3 (Spring 1997), 7–49.
- [305] DUFFIE, DARRELL, AND PHILIP PROTTER. "From Discrete- to Continuous-Time Finance: Weak Convergence of the Financial Gain Process." *Mathematical Finance*, 2, No. 1 (January 1992), 1–15.
- [306] DUMAS, BERNARD. "Partial Equilibrium versus General Equilibrium Models of the International Capital Market." In *The Handbook of International Macroeconomics*. Edited by Frederick van der Ploeg. Cambridge, Massachusetts: Blackwell, 1996.
- [307] DUNN, KENNETH B., AND JOHN J. MCCONNELL. "A Comparison of Alternative Models for Pricing GNMA Mortgage-Backed Securities." *The Journal of Finance*, 36, No. 2 (May 1981), 471–484.
- [308] DUNN, KENNETH B., AND JOHN J. MCCONNELL. "Valuation of GNMA Mortgage-Backed Securities." *The Journal of Finance*, 36, No. 3 (June 1981), 599–616.
- [309] DUNN, KENNETH B., AND JOHN J. MCCONNELL. "Rate of Return Indexes for GNMA Securities." *The Journal of Portfolio Management*, Winter 1981, pp. 65–74.
- [310] DUPIRE, BRUNO. "Pricing with a Smile." *Risk*, 7, No. 1 (January 1994), 18–20.
- [311] DYBVIK, PHILIP H. "Bond and Bond Option Pricing Based on the Current Term Structure." Manuscript, February 1989.
- [312] DYBVIK, PHILIP H., JONATHAN E. INGERSOLL, JR., AND STEPHEN A. ROSS. "Long Forward and Zero-Coupon Rates Can Never Fall." *Journal of Business*, 69, No. 1 (January 1996), 1–25.
- [313] DYBVIK, PHILIP H., AND WILLIAM J. MARSHALL. "Pricing Long Bonds: Pitfalls and Opportunities." *Financial Analysts Journal*, 52, No. 1 (January–February 1996), 32–39.
- [314] DYBVIK, PHILIP H., AND STEPHEN A. ROSS. "Arbitrage." In [318, pp. 57–71].
- [315] DYER, LAWRENCE J., AND DAVID P. JACOB. "Guide to Fixed Income Option Pricing Models." In [332, Chapter 3].
- [316] DYER, LAWRENCE J., AND DAVID P. JACOB. "An Overview of Fixed Income Option Pricing Models." In [339, Chapter 34].
- [317] DYM, STEVEN I. "A Generalized Approach to Price and Duration of Non-Par Floating-Rate Notes." *The Journal of Portfolio Management*, 24, No. 4 (Summer 1998), 102–107.
- [318] EATWELL, J., M. MILGATE, AND P. NEWMAN. (Ed.) *The New Palgrave: Finance*. New York: W.W. Norton, 1987.
- [319] ECONOMIST, THE. "The Risk Business." *The Economist*, October 17–23, 1998.
- [320] ECONOMIST, THE. "The Trader's Lament." *The Economist*, October 16–22, 1999.
- [321] EDWARDS, JERI. *3-Tier Client/Server at Work*. New York: John Wiley, 1997.
- [322] EDWARDS, JOHN. "Changing Database Market Hurts Major Vendors." *Computer*, 31, No. 3 (March 1998), 10–11.
- [323] EHRBAR, A. "The Great Bond Market Massacre." *Fortune*, October 17, 1994, pp. 77–92.
- [324] EL BABSIRI, MOHAMED, AND GERALD NOEL. "Simulating Path-Dependent Options: a New Approach." *The Journal of Derivatives*, 6, No. 2 (Winter 1998), 65–83.
- [325] EL-JAHEL, LINA, WILLIAM PERRAUDIN, AND PETER SELLIN. "Value at Risk for Derivatives." *The Journal of Derivatives*, 6, No. 3 (Spring 1999), 7–26.
- [326] ELMASRI, R., AND S.B. NAVATHE. *Fundamentals of Database Systems*. Redwood City, California: Benjamin/Cummings, 1989.
- [327] ELMER, PETER J., AND ANTON E. HAIDORFER. "Prepayments of Multifamily Mortgage-Backed Securities." *The Journal of Fixed Income*, 6, No. 4 (March 1997), 50–63.
- [328] ELTON, EDWIN J., AND MARTIN J. GRUBER. *Modern Portfolio Theory and Investment Analysis*. 5th ed. New York: John Wiley, 1995.
- [329] ELTON, EDWIN J., MARTIN J. GRUBER, AND RONI MICHAELY. "The Structure of Spot Rates and Immunization." *The Journal of Finance*, 45, No. 2 (June 1990), 629–642.
- [330] ENGLE, ROBERT F. "Autoregressive Conditional Heteroscedasticity with Estimates of the Variance of UK Inflation." *Econometrica*, Vol. 50 (1982), 987–1008.
- [331] FABOZZI, FRANK J. (Ed.) *Mortgage-Backed Securities: New Strategies, Applications, and Research*. Chicago, Illinois: Probus, 1987.
- [332] FABOZZI, FRANK J. (Ed.) *The Handbook of Fixed-Income Options: Pricing, Strategies & Applications*. Chicago, Illinois: Probus, 1989.
- [333] FABOZZI, FRANK J. (Ed.) *Advances & Innovations in the Bond and Mortgage Markets*. Chicago, Illinois: Probus, 1989.
- [334] FABOZZI, FRANK J. *Fixed Income Mathematics: Analytical & Statistical Techniques*. Revised ed. Chicago, Illinois: Probus, 1991.
- [335] FABOZZI, FRANK J. (Ed.) *The Handbook of Mortgage-Backed Securities*. 3rd ed. Chicago, Illinois: Probus, 1992.
- [336] FABOZZI, FRANK J. (Ed.) *Bond Markets, Analysis and Strategies*. 2nd ed. Englewood Cliffs, New Jersey: Prentice-Hall, 1993.
- [337] FABOZZI, FRANK J. "The Structure of Interest Rates." In [339, Chapter 6].
- [338] FABOZZI, FRANK J. *Fixed Income Securities*. New Hope, Pennsylvania: Frank J. Fabozzi Associates, 1997.
- [339] FABOZZI, FRANK J., AND T. DESSA FABOZZI. (Ed.) *The Handbook of Fixed Income Securities*. 4th ed. Burr Ridge, Illinois: Richard D. Irwin, 1995.
- [340] FABOZZI, FRANK J., ANDREW J. KALOTAY, AND GEORGE O. WILLIAMS. "Valuation of Bonds with Embedded Options." In [339, Chapter 28].
- [341] FABOZZI, FRANK J., AND FRANCO MODIGLIANI. *Mortgage and Mortgage-Backed Securities Markets*. Boston: Harvard Business School Press, 1992.
- [342] FABOZZI, FRANK J., MARK PITTS, AND RAVI E. DATTATREYA. "Price Volatility Characteristics of Fixed Income Securities." In [339, Chapter 5].

- [343] FABOZZI, FRANK J., AND DEXTER SENFT. "Introduction to Mortgages." In [335, Chapter 2].
- [344] FAMA, EUGENE F. "Risk, Return and Equilibrium: Some Clarifying Comments." *The Journal of Finance*, 23, No. 1 (March 1968), 29–40.
- [345] FAMA, EUGENE F. "Efficient Capital Markets: II." *The Journal of Finance*, 46, No. 5 (December 1991), 1575–1617.
- [346] FAMA, EUGENE F. "Random Walks in Stock Market Prices." Reprinted in *Financial Analysts Journal*, 51, No. 1 (January–February 1995), 75–80.
- [347] FAMA, EUGENE F., AND ROBERT R. BLISS. "The Information in Long-Maturity Forward Rates." *The American Economic Review*, 77, No. 4 (September 1987), 680–692.
- [348] FAMA, EUGENE F., AND KENNETH R. FRENCH. "The Cross-Section of Expected Stock Returns." *The Journal of Finance*, 47, No. 2 (1992), 427–465.
- [349] FANG, KAI-TAI, AND YUAN WANG. *Number-Theoretic Methods in Statistics*. London: Chapman & Hall, 1994.
- [350] FANG, MING, JAN STALLAERT, AND ANDREW B. WHINSTON. "The Internet and the Future of Financial Markets." *Communications of the ACM*, 43, No. 11 (November 2000), 83–88.
- [351] FAREBROTHER, R.W. *Linear Least Squares Computations*. New York: Marcel Dekker, 1988.
- [352] FELDMAN, AMY, AND JOAN CAPLIN. "The Art of Managing Your Stock Options." *Money.com*, December 16, 2000.
- [353] FELLER, WILLIAM. "Two Singular Diffusion Problems." *Annals of Mathematics*, 54, No. 1 (July 1951), 173–182.
- [354] FELLER, WILLIAM. *An Introduction to Probability Theory and Its Applications*, Vol. 1. 3rd ed. New York: John Wiley, 1968.
- [355] FELLER, WILLIAM. *An Introduction to Probability Theory and Its Applications*, Vol. 2. 2nd ed. New York: John Wiley, 1971.
- [356] FERGUSON, R. "Some Formulas for Evaluating Two Popular Option Strategies." *Financial Analysts Journal*, 49, No. 5 (September–October 1993), 71–76.
- [357] FIGLEWSKI, STEPHEN. "Remembering Fischer Black." *The Journal of Derivatives*, 3, No. 2 (Winter 1995), 94–98.
- [358] FIGLEWSKI, STEPHEN, WILLIAM L. SILBER, AND MARTI G. SUBRAHMANYAM. *Financial Options: from Theory to Practice*. Burr Ridge, Illinois: Richard D. Irwin, 1990.
- [359] FILIMON, RADU A. "COFI: an Index of Retail Interest Rates." *The Journal of Fixed Income*, 7, No. 3 (December 1997), 61–65.
- [360] FINNERTY, JOHN D. "Measuring the Duration of Floating-Rate Debt Instruments." In [333, pp. 77–96].
- [361] FINNERTY, JOHN D., AND MICHAEL ROSE. "Arbitrage-Free Spread: a Consistent Measure of Relative Value." *The Journal of Portfolio Management*, 17, No. 3 (Spring 1991), 65–77.
- [362] FISHER, LAWRENCE, AND ROMAN L. WEIL. "Coping with the Risk of Interest-Rate Fluctuations: Returns to Bondholders from Naive and Optimal Strategies." *Journal of Business*, Vol. 44 (1971), 408–431.
- [363] FISHER, MARK, AND CHRISTIAN GILLES. "Around and Around: the Expectations Hypothesis." Manuscript, August 1996. To appear in *The Journal of Finance*.
- [364] FISHER, MARK, DOUGLAS NYCHKA, AND DAVID ZERVOS. "Fitting the Term Structure of Interest Rates with Smoothing Splines." Manuscript, September 1994.
- [365] FISHMAN, GEORGE S. *Monte Carlo: Concepts, Algorithms, and Applications*. New York: Springer-Verlag, 1996.
- [366] FISHMAN, VLADIMIR, PETER FITTON, AND YURI GALPERIN. "Hybrid Low-Discrepancy Sequences: Effective Path Reduction for Yield Curve Scenario Generation." *The Journal of Fixed Income*, 7, No. 1 (June 1997), 75–84.
- [367] FITCH, T. *Dictionary of Banking Terms*. Hauppauge, New York: Barron's, 1990.
- [368] FLANAGAN, DAVID. *Java in a Nutshell: a Desktop Quick Reference for Java Programmers*. 2nd ed. Sebastopol, California: O'Reilly & Associates, 1997.
- [369] FLANAGAN, DAVID. *JavaScript: the Definitive Guide*. 3rd ed. Sebastopol, California: O'Reilly & Associates, 1998.
- [370] FLEMING, MICHAEL J., AND ELI M. REMOLONA. "What Moves Bond Prices?" *The Journal of Portfolio Management*, 25, No. 4 (Summer 1999), 28–38.
- [371] FLESAKER, BJORN. "Testing the Heath-Jarrow-Morton/Ho-Lee Model of Interest Rate Contingent Claims Pricing." *Journal of Financial and Quantitative Analysis*, 28, No. 4 (December 1993), 483–495.
- [372] FOGLER, H.R. "A Modern Theory of Security Analysis." *The Journal of Portfolio Management*, 19, No. 3 (Spring 1993), 6–14.
- [373] FOLLAIN, JAMES R., LOUIS O. SCOTT, AND TL TYLER YANG. "Microfunctions of a Mortgage Prepayment Function." *Journal of Real Estate Finance and Economics*, Vol. 5 (1992), 197–217.
- [374] FONG, H. GIFFORD, AND OLDRICH A. VASICEK. "Fixed-Income Volatility Management." *The Journal of Portfolio Management*, 17, No. 4 (Summer 1991), 41–46.
- [375] FOSTER, CHESTER, AND ROBERT VAN ORDER. "FHA Terminations: a Prelude to Rational Mortgage Pricing." *Journal of the American Real Estate & Urban Economics Association*, 13, No. 3 (Fall 1985), 273–291.
- [376] FOSTER, KENNETH R. "Technology 1998 Analysis & Forecast: Software Tools." *IEEE Spectrum*, January 1998, pp. 52–56.
- [377] FOUCAULT, MICHEL. *The Archaeology of Knowledge & the Discourse of Language*. Translated by A.M. Sheridan Smith. New York: Pantheon, 1972.

- [378] FRIEDMAN, AVNER. *Stochastic Differential Equations and Applications*, Vol. I. New York: Academic Press, 1975.
- [379] FRIEDMAN, MILTON. "The Methodology of Positive Economics." In [442, pp. 210–244].
- [380] FROOT, K.A., D.S. SCHARFSTEIN, AND J.C. STEIN. "A Framework for Risk Management." *Harvard Business Review*, 72, No. 6 (November–December 1994), 91–102.
- [381] FU, MICHAEL C., DILIP B. MADAN, AND TONG WANG. "Pricing Continuous Asian Options: a Comparison of Monte Carlo and Laplace Transform Inversion Methods." *The Journal of Computational Finance*, 2, No. 2 (Winter 1998/1999), 49–74.
- [382] GAGNON, LOUIS, AND LEWIS D. JOHNSON. "Dynamic Immunization under Stochastic Interest Rates." *The Journal of Portfolio Management*, 20, No. 3 (Spring 1994), 48–54.
- [383] GALANTI, SILVIO, AND ALAN JUNG. "Low-Discrepancy Sequences: Monte Carlo Simulation of Option Prices." *The Journal of Derivatives*, Fall 1997, pp. 63–83.
- [384] GALITZ, LAWRENCE C. *Financial Engineering: Tools and Techniques To Manage Financial Risk*. Burr Ridge, Illinois: Richard D. Irwin, 1995.
- [385] GAO, BIN, JING-ZHI (JAY) HUANG, AND MARTI G. SUBRAHMANYAM. "An Analytical Approach to the Valuation of American Path-Dependent Options." Manuscript, October 4, 1996.
- [386] GARBADE, KENNETH D. "Invoice Prices, Special Redemption Features, Cash Flows, and Yields on Eurobonds." In [333, pp. 213–231].
- [387] GARBADE, KENNETH D. "Managerial Discretion and Contingent Valuation of Corporate Securities." *The Journal of Derivatives*, 6, No. 4 (Summer 1999), 65–76.
- [388] GARDINER, C.W. *Handbook of Stochastic Methods for Physics, Chemistry and the Natural Sciences*. 2nd ed. Berlin: Springer-Verlag, 1985.
- [389] GARMAN, MARK B., AND MICHAEL J. KLASS. "On the Estimation of Security Price Volatilities from Historical Data." *Journal of Business*, 53, No. 1 (1980), 67–78.
- [390] GARTLAND, W.J., T.W. RITCHFORD, AND N.C. LETICA. "Overview of Fixed-Income Options." In [332, Chapter 1].
- [391] GASTINEAU, GARY L. "The Essentials of Financial Risk Management." *Financial Analysts Journal*, 49, No. 5 (September–October 1993), 17–21.
- [392] GASTINEAU, GARY. "An Introduction to Special-Purpose Derivatives: Path-Dependent Options." *The Journal of Derivatives*, 1, No. 2 (Winter 1993), 78–86.
- [393] GEMAN, HÉLYETE, NICOLE EL KAROUI, AND JEAN-CHARLES ROCHET. "Changes of Numéraire, Changes of Probability Measure and Option Pricing." *Journal of Applied Probability*, 32, No. 2 (June 1995), 443–458.
- [394] GEMAN, HÉLYETE, AND MARC YOR. "Bessel Processes, Asian Options, and Perpetuities." *Mathematical Finance*, 3, No. 4 (October 1993), 349–375.
- [395] GEMAN, HÉLYETE, AND MARC YOR. "Pricing and Hedging Double-Barrier Options: a Probabilistic Approach." *Mathematical Finance*, 6, No. 4 (October 1996), 365–378.
- [396] GERALD, CURTIS F., AND PATRICK O. WHEATLEY. *Applied Numerical Analysis*. 5th ed. Reading, Massachusetts: Addison-Wesley, 1994.
- [397] GERBER, ROBERT I., AND ANDREW S. CARRON. "The Option Feature in Mortgages." In [358, Chapter 10].
- [398] GESKE, R., AND K. SHASTRI. "Valuation by Approximation: a Comparison of Alternative Option Valuation Techniques." *Journal of Financial and Quantitative Analysis*, Vol. 20 (March 1985), 45–71.
- [399] GIBBONS, MICHAEL R., AND KRISHNA RAMASWAMY. "A Test of the Cox, Ingersoll, and Ross Model of the Term Structure." *The Review of Financial Studies*, 6, No. 3 (1993), 619–658.
- [400] GILLES, CHRISTIAN, AND STEPHEN F. LEROY. "A Note on the Local Expectations Hypothesis: a Discrete-Time Exposition." *The Journal of Finance*, 41, No. 4 (September 1986), 975–979.
- [401] GILLESPIE, D.T. *Markov Processes: an Introduction for Physical Scientists*. New York: Academic Press, 1992.
- [402] GOETHE, JOHANN WOLFGANG VON. *Goethe: Selected Verse*. Edited by David Luke. New York: Penguin, 1981.
- [403] GOLDBERG, SAMUEL. *Introduction to Difference Equations: with Illustrative Examples from Economics, Psychology, and Sociology*. New York: Dover, 1986.
- [404] GOLDMAN, D., D. HEATH, G. KENTWELL, AND E. PLATEN. "Valuation of Two-Factor Term Structure Models." *Advances in Futures and Options Research*, Vol. 8 (1995), 263–291.
- [405] GOLDMAN, M. BARRY, HOWARD B. SOSIN, AND MARY ANN GATTO. "Path Dependent Options: 'Buy at the Low, Sell at the High.'" *The Journal of Finance*, 34, No. 5 (December 1979), 1111–1127.
- [406] GOLLINGER, T.L., AND J.B. MORGAN. "Calculation of an Efficient Frontier for a Commercial Loan Portfolio." *The Journal of Portfolio Management*, 19, No. 2 (Winter 1993), 39–46.
- [407] GOLUB, BENNETT W., AND LEO M. TILMAN. "Measuring Yield Curve Risk Using Principal Components Analysis, Value at Risk, and Key Rate Durations." *The Journal of Portfolio Management*, 23, No. 4 (Summer 1997), 72–84.
- [408] GOLUB, GENE H., AND JAMES M. ORTEGA. *Scientific Computing and Differential Equations: an Introduction to Numerical Methods*. New York: Academic Press, 1992.
- [409] GOLUB, GENE H., AND C.F. VAN LOAN. *Matrix Computations*. 2nd ed. Baltimore, Maryland: The Johns Hopkins University Press, 1989.
- [410] GONÇALVES, FRANKLIN DE O., AND JOÃO VICTOR ISSLER. "Estimating the Term Structure of Volatility and Fixed-Income Derivative Pricing." *The Journal of Fixed Income*, 6, No. 1 (June 1996), 32–39.

- [411] GOODMAN, LAURIE S., AND JEFFREY HO. "Mortgage Hedge Ratios: Which One Works Best?" *The Journal of Fixed Income*, 7, No. 3 (December 1997), 23–33.
- [412] GOODMAN, LAURIE S., JUDITH JONSON, AND ANDREW SILVER. "Trading and Investment Opportunities with Agency Securities." In [333], pp. 171–198].
- [413] GOULDEN, IAN R., AND DAVID M. JACKSON. *Combinatorial Enumeration*. New York: John Wiley, 1983.
- [414] GRANNAN, L.E., AND S.L. NUTT. "Fixed Income Option Contracts." In [332, Chapter 2].
- [415] GRANT, JEREMY. "Hidden Risks in Credit Derivatives." *The Financial Times*, November 2, 1998.
- [416] GRAY, W.S. "Historical Returns, Inflation and Future Return Expectations." *Financial Analysts Journal*, 49, No. 4 (July–August 1993), 35–45.
- [417] GREEN, T. CLIFTON, AND STEPHEN FIGLEWSKI. "Market Risk and Model Risk for a Financial Institution Writing Options." *The Journal of Finance*, 54, No. 4 (August 1999), 1465–1499.
- [418] GREIDER, W. *Secrets of the Temple: How the Federal Reserve Runs the Country*. New York: Simon & Schuster, 1987.
- [419] GRINBLATT, MARK, AND NARASIMHAN JEGADEESH. "Futures vs. Forward Prices: Implications for Swap Pricing and Derivatives Valuation." In [539, Chapter 3].
- [420] GRINOLD, R.C. "Is Beta Dead Again?" *Financial Analysts Journal*, 49, No. 4 (July–August 1993), 28–34.
- [421] GUIDERA, JERRY. "Fannie and Freddie May Not Trim Cost of Home Financing." *The Wall Street Journal*, November 16, 2000, p. A2.
- [422] GUO, JIA-HAU. *Option-Adjusted Spread of Mortgage-Backed Securities: a Client/Server System Based on Java and C++*. Master's Thesis. Department of Computer Science and Information Engineering, National Taiwan University, Taiwan, 1998.
- [423] GUTTENTAG, JACK M. "The Evolution of Mortgage Yield Concepts." *Financial Analysts Journal*, 48, No. 1 (January–February 1992), 39–46.
- [424] GYOURKO, J., AND D.B. KEIM. "Risk and Return in Real Estate: Evidence from a Real Estate Stock Index." *Financial Analysts Journal*, 49, No. 5 (September–October 1993), 39–46.
- [425] HABERMAN, RICHARD. *Elementary Applied Partial Differential Equations with Fourier Series and Boundary Value Problems*. 2nd ed. Englewood Cliffs, New Jersey: Prentice-Hall, 1987.
- [426] HACKING, IAN. *The Emergence of Probability: a Philosophical Study of Early Ideas about Probability, Induction, and Statistical Inference*. Cambridge: Cambridge University Press, 1975.
- [427] HALD, ANDERS. *A History of Probability and Statistics and Their Applications before 1750*. New York: John Wiley, 1990.
- [428] HALL, ARDEN R. "Valuing the Mortgage Borrower's Prepayment Option." *Journal of the American Real Estate & Urban Economics Association*, 13, No. 3 (Fall 1985), 229–247.
- [429] HALL, MARTY. *Core Web Programming*. Upper Saddle River, New Jersey: Prentice-Hall, 1998.
- [430] HALL, P., AND C.C. HEYDE. *Martingale Limit Theory and Its Application*. New York: Academic Press, 1980.
- [431] HAMILTON, ALEXANDER, JAMES MADISON, AND JOHN JAY. *The Federalist Papers*. First published in 1788. New York: New American Library, 1961.
- [432] HAMILTON, JAMES D. *Time Series Analysis*. Princeton: Princeton University Press, 1994.
- [433] HAMILTON, MARC A. "Java and the Shift to Net-Centric Computing." *Computer*, 29, No. 8 (August 1996), 31–39.
- [434] HAMMING, RICHARD W. *Numerical Methods for Scientists and Engineers*. 2nd ed. New York: Dover, 1986.
- [435] HANSEN, LARS PETER. "Large Sample Properties of Generalized Method of Moments Estimators." *Econometrica*, 50, No. 4 (July 1982), 1029–1054.
- [436] HARRISON, J. MICHAEL. *Brownian Motion and Stochastic Flow Systems*. New York: John Wiley, 1985.
- [437] HARRISON, J. MICHAEL, AND STANLEY R. PLISKA. "Martingales and Stochastic Integrals in the Theory of Continuous Trading." *Stochastic Processes and Their Applications*, 11, No. 1 (March 1981), 215–260.
- [438] HARTMANIS, JURIS. "Turing Award Lecture: on Computational Complexity and the Nature of Computer Science." *ACM Computing Surveys*, 27, No. 1 (March 1995), 7–16.
- [439] HARVEY, ANDREW C. *The Econometric Analysis of Time Series*. 2nd ed. New York: Philip Allan, 1990.
- [440] HAUG, ESPEN GAARDER. *The Complete Guide to Option Pricing Formulas*. New York: McGraw-Hill, 1998.
- [441] HAUGEN, ROBERT A. *Modern Investment Theory*. 3rd ed. Englewood Cliffs, New Jersey: Prentice-Hall, 1993.
- [442] HAUSMAN, D.M. (Ed.) *The Philosophy of Economics: an Anthology*. Cambridge: Cambridge University Press, 1984.
- [443] HAWAWINI, G. (Ed.) *Bond Duration and Immunization: Early Developments and Recent Contributions*. New York: Garland Publishing, 1982.
- [444] HAYEK, FRIEDRICH A. VON. *New Studies in Philosophy, Politics, Economics and the History of Ideas*. Chicago: The University of Chicago Press, 1978.
- [445] HAYRE, LAKHBIR S. "Arbitrage-Free Spread: Response." *The Journal of Portfolio Management*, 17, No. 3 (Spring 1991), 78–79.
- [446] HAYRE, LAKHBIR S. "Random Error in Prepayment Projections." *The Journal of Fixed Income*, 7, No. 2 (September 1997), 77–84.

- [447] HAYRE, LAKHBIR S., AND HUBERT CHANG. "Effective and Empirical Durations of Mortgage Securities." *The Journal of Fixed Income*, 6, No. 4 (March 1997), 17–33.
- [448] HAYRE, LAKHBIR S., SHARAD CHAUDHARY, AND ROBERT A. YOUNG. "Anatomy of Prepayments." *The Journal of Fixed Income*, 10, No. 1 (June 2000), 19–49.
- [449] HAYRE, LAKHBIR S., KENNETH LAUTERBACH, AND CYRUS MOHEBBI. "Prepayment Models and Methodologies." In [333, pp. 329–350].
- [450] HAYRE, LAKHBIR S., CYRUS MOHEBBI, AND THOMAS ZIMMERMAN. "Mortgage Pass-Through Securities." In [339, Chapter 24].
- [451] HAYRE, LAKHBIR S., AND ARVIND RAJAN. "Anatomy of Prepayments: the Salomon Prepayment Model." *Fixed-Income Research*, Salomon Brothers, June 1995. Also in [539, Chapter 8] as "Anatomy of Prepayments: the Salomon Brothers Prepayment Model."
- [452] HE, HUA. "Convergence of Discrete- to Continuous-Time Contingent Claims Prices." *The Review of Financial Studies*, 3, No. 4 (1990), 523–546.
- [453] HEATH, DAVID, ROBERT JARROW, AND ANDREW MORTON. "Contingent Claim Valuation with a Random Evolution of Interest Rates." *The Review of Futures Markets*, 9, No. 1 (1990), 54–76.
- [454] HEATH, DAVID, ROBERT JARROW, AND ANDREW MORTON. "Bond Pricing and the Term Structure of Interest Rates: a Discrete Time Approximation." *Journal of Financial and Quantitative Analysis*, 25, No. 4 (December 1990), 419–440.
- [455] HEATH, DAVID, ROBERT JARROW, AND ANDREW MORTON. "Bond Pricing and the Term Structure of Interest Rates: a New Methodology for Contingent Claims Valuation." *Econometrica*, 60, No. 1 (January 1992), 77–105.
- [456] HERSKOVITZ, MICHAEL D. "Option-Adjusted Spread Analysis for Mortgage-Backed Securities." In [332, Chapter 22].
- [457] HESS, ALAN C., AND CLIFFORD W. SMITH, JR. "Elements of Mortgage Securitization." *Journal of Real Estate Finance and Economics*, Vol. 1 (1988), 331–346.
- [458] HESTON, STEVEN L. "A Closed-Form Solution for Options with Stochastic Volatility with Applications to Bond and Currency Options." *The Review of Financial Studies*, 6, No. 2 (1993), 327–344.
- [459] HESTON, STEVEN. "Discrete-Time Versions of Continuous-Time Interest Rate Models." *The Journal of Fixed Income*, 5, No. 2 (September 1995), 86–88.
- [460] HESTON, STEVEN L., AND SAIKAT NANDI. "A Closed-Form GARCH Option Valuation Model." *The Review of Financial Studies*, 13, No. 3 (Fall 2000), 585–625.
- [461] HEYNEN, RONALD C., AND HARRY M. KAT. "Discrete Partial Barrier Options with a Moving Barrier." *The Journal of Financial Engineering*, 5, No. 3 (1996), 199–209.
- [462] HEYNEN, RONAND, ANGELIEN KEMNA, AND TON VORST. "Analysis of the Term Structure of Implied Volatilities." *Journal of Financial and Quantitative Analysis*, 29, No. 1 (March 1994), 31–57.
- [463] HICKS, JOHN RICHARD. *Value and Capital*. 2nd ed. London: Oxford University Press, 1946.
- [464] HILDEBRAND, FRANCIS B. *Finite-Difference Equations and Simulations*. Englewood Cliffs, New Jersey: Prentice-Hall, 1968.
- [465] HILDEBRAND, FRANCIS B. *Introduction to Numerical Analysis*. 2nd ed. New York: Dover, 1974.
- [466] HILDEBRAND, FRANCIS B. *Advanced Calculus for Applications*. 2nd ed. Englewood Cliffs, New Jersey: Prentice-Hall, 1976.
- [467] HILLIARD, JIMMY E., JAMES B. KAU, DONALD C. KEENAN, AND WALTER J. MULLER, III. "Pricing a Class of American and European Path Dependent Securities." *Management Science*, 41, No. 12 (December 1995), 1892–1899.
- [468] HILLIARD, JIMMY E., AND ADAM SCHWARTZ. "Binomial Option Pricing under Stochastic Volatility and Correlated State Variables." *The Journal of Derivatives*, 4, No. 1 (Fall 1996), 23–39.
- [469] HILLIARD, JIMMY E., ADAM SCHWARTZ, AND ALAN L. TUCKER. "Bivariate Binomial Options Pricing with Generalized Interest Rate Processes." *The Journal of Financial Research*, 19, No. 4 (Winter 1996), 585–602.
- [470] HO, TENG-SUAN, RICHARD C. STAPLETON, AND MARTI G. SUBRAHMANYAM. "Multivariate Binomial Approximations for Asset Prices with Nonstationary Variance and Covariance Characteristics." *The Review of Financial Studies*, 8, No. 4 (Winter 1995), 1125–1152.
- [471] HO, THOMAS S.Y. "Key Rate Durations: Measures of Interest Rate Risks." *The Journal of Fixed Income*, 2, No. 2 (September 1992), 29–44.
- [472] HO, THOMAS S.Y. "CMO Yield Attribution and Option Spread." *The Journal of Portfolio Management*, 19, No. 3 (Spring 1993), 57–68.
- [473] HO, THOMAS S.Y. "Primitive Securities: Portfolio Building Blocks." *The Journal of Derivatives*, 1, No. 2 (Winter 1993), 6–22.
- [474] HO, THOMAS S.Y. "Evolution of Interest Rate Models: a Comparison." *The Journal of Derivatives*, 2, No. 4 (Summer 1995), 9–20.
- [475] HO, THOMAS S.Y., AND ALLEN A. ABRAHAMSON. "Options on Interest Sensitive Securities." In [358, Chapter 8].
- [476] HO, THOMAS S.Y., AND SANG-BIN LEE. "Term Structure Movements and Pricing Interest Rate Contingent Claims." *The Journal of Finance*, 41, No. 5 (December 1986), 1011–1029.
- [477] HOCHBAUM, DORIT S. (Ed.) *Approximation Algorithms for NP-Hard Problems*. Boston: PWS, 1997.
- [478] HOFFMAN, W.C., T. KIGGINS, AND N.C. LETICA. "Covered Calls on Mortgage-Backed Securities." In [332, Chapter 11].
- [479] HOFRI, MICHA. *Probabilistic Analysis of Algorithms*. New York: Springer-Verlag, 1987.

- [480] HOGAN, MICHAEL. "Problems in Certain Two-State Term Structure Models." *Annals of Applied Probability*, 3, No. 2 (May 1993), 576–581.
- [481] HOGG, ROBERT V., AND ALLEN T. CRAIG. *Introduction to Mathematical Statistics*. 4th ed. New York: Macmillan, 1978.
- [482] HOPPER, GREG. "Value at Risk: a New Methodology for Measuring Portfolio Risk." *Business Review*, July/August 1996, pp. 19–29.
- [483] HORN, ROGER A., AND CHARLES R. JOHNSON. *Matrix Analysis*. Cambridge: Cambridge University Press, 1991.
- [484] HORSTMANN, CAY S. *Mastering Object-Oriented Design in C++*. New York: John Wiley, 1995.
- [485] HORSTMANN, CAY S., AND GARY CORNELL. *Core Java 2, Vol. 1—Fundamentals*. Mountain View, California: SunSoft Press, 1999.
- [486] HOUTHAKKER, HENDRIK S. "Futures Trading." [318, pp. 153–158].
- [487] HU, JOSEPH. "Housing and the Mortgage Securities Markets: Review, Outlook, and Policy Recommendations." *Journal of Real Estate Finance and Economics*, 5, No. 2 (June 1992), 167–179.
- [488] HULL, JOHN C. *Options, Futures, and Other Derivatives*. 4th ed. Englewood Cliffs, New Jersey: Prentice-Hall, 1999.
- [489] HULL, JOHN C., AND ALAN WHITE. "The Pricing of Options on Assets with Stochastic Volatilities." *The Journal of Finance*, 42, No. 2 (June 1987), 281–300.
- [490] HULL, JOHN C., AND ALAN WHITE. "The Use of the Control Variate Technique in Option Pricing." *Journal of Financial and Quantitative Analysis*, 23, No. 3 (September 1988), 237–251.
- [491] HULL, JOHN C., AND ALAN WHITE. "Valuing Derivative Securities Using the Explicit Finite Difference Method." *Journal of Financial and Quantitative Analysis*, 25, No. 1 (March 1990), 87–100.
- [492] HULL, JOHN C., AND ALAN WHITE. "Pricing Interest-Rate-Derivative Securities." *The Review of Financial Studies*, 3, No. 4 (1990), 573–592.
- [493] HULL, JOHN C., AND ALAN WHITE. "Root and Branch." In [771, Chapter 14].
- [494] HULL, JOHN C., AND ALAN WHITE. "New Ways with the Yield Curve." In [771, Chapter 15].
- [495] HULL, JOHN C., AND ALAN WHITE. "One-Factor Interest-Rate Models and the Valuation of Interest-Rate Derivative Securities." *Journal of Financial and Quantitative Analysis*, 28, No. 2 (June 1993), 235–254.
- [496] HULL, JOHN C., AND ALAN WHITE. "Efficient Procedures for Valuing European and American Path-Dependent Options." *The Journal of Derivatives*, Vol. 1 (Fall 1993), 21–31.
- [497] HULL, JOHN C., AND ALAN WHITE. "Numerical Procedures for Implementing Term Structure Models I: One-Factor Models." *The Journal of Derivatives*, 2, No. 1 (Fall 1994), 7–17.
- [498] HULL, JOHN C., AND ALAN WHITE. "Numerical Procedures for Implementing Term Structure Models II: Two-Factor Models." *The Journal of Derivatives*, 2, No. 2 (Winter 1994), 37–48.
- [499] HULL, JOHN C., AND ALAN WHITE. "The Impact of Default Risk on the Prices of Options and Other Derivatives." *Journal of Banking & Finance*, Vol. 19 (1995), 299–322.
- [500] HULL, JOHN C., AND ALAN WHITE. "A Note on the Models of Hull and White for Pricing Options on the Term Structure: Response." *The Journal of Fixed Income*, 5, No. 2 (September 1995), 97–103.
- [501] HULL, JOHN C., AND ALAN WHITE. "Using Hull-White Interest Rate Trees." *The Journal of Derivatives*, Spring 1996, pp. 26–36.
- [502] HULL, JOHN C., AND ALAN WHITE. "Value at Risk When Daily Changes in Market Variables Are Not Normally Distributed." *The Journal of Derivatives*, 5, No. 3 (Spring 1998), 9–19.
- [503] HUME, DAVID. *A Treatise of Human Nature*. First published in 1739. Edited by L.A. Selby-Bigge. London: Oxford University Press, 1888.
- [504] HUME, DAVID. *Of the Standard of Taste and Other Essays*. Edited by John W. Lenz. Indianapolis, Indiana: Bobbs-Merrill, 1965.
- [505] HUNTER, WILLIAM C., AND DAVID W. STOWE. "Path-Dependent Options: Valuation and Applications." *Economic Review*, July/August 1992, pp. 30–43.
- [506] HUTCHINSON, JAMES M., ANDREW W. LO, AND TOMASO POGGIO. "A Nonparametric Approach to Pricing and Hedging Derivative Securities via Learning Networks." *The Journal of Finance*, 49, No. 3 (July 1994), 851–889.
- [507] HWANG, KAI. *Advanced Computer Architecture: Parallelism, Scalability, Programmability*. New York: McGraw-Hill, 1993.
- [508] IANSITI, MARCO, AND ALAN MACCORMACK. "Developing Products on Internet Time." *Harvard Business Review*, 75, No. 5 (September–October 1997), 108–117.
- [509] ILMANEN, ANTTI. "Overview of Forward Rate Analysis (Understanding the Yield Curve: Part 1)." Fixed-Income Research, Salomon Brothers, May 1995.
- [510] ILMANEN, ANTTI. "Market's Rate Expectations and Forward Rates (Understanding the Yield Curve, Part 2)." Fixed-Income Research, Salomon Brothers, June 1995.
- [511] ILMANEN, ANTTI. "Does Duration Extension Enhance Long-Term Expected Returns (Understanding the Yield Curve, Part 3)?" Fixed-Income Research, Salomon Brothers, July 1995. To appear in *The Journal of Fixed Income*.
- [512] ILMANEN, ANTTI. "Forecasting U.S. Bond Returns (Understanding the Yield Curve, Part 4)." Fixed-Income Research, Salomon Brothers, August 1995. To appear in *The Journal of Fixed Income*.
- [513] ILMANEN, ANTTI. "Convexity Bias and the Yield Curve." In [539, Chapter 2].
- [514] INGERSOLL, JONATHAN E., JR. "A Contingent-Claims Valuation of Convertible Securities." *Journal of Financial Economics*, Vol. 4 (May 1977), 289–322.
- [515] INGERSOLL, JONATHAN E., JR. *Theory of Financial Decision Making*. Savage, Maryland: Rowman & Littlefield, 1987.

- [516] INGERSOLL, JONATHAN E., JR. "Interest Rates." In [318, pp. 172–179].
- [517] INGERSOLL, JONATHAN E., JR. "Option Pricing Theory." In [318, pp. 199–212].
- [518] INGERSOLL, JONATHAN E., JR. "Digital Contracts: Simple Tools for Pricing Complex Derivatives." *Journal of Business*, 73, No. 1 (January 2000), 67–88.
- [519] INGERSOLL, JONATHAN E., JR., AND STEPHEN A. ROSS. "Waiting To Invest: Investment and Uncertainty." *Journal of Business*, 65, No. 1 (January 1992), 1–29.
- [520] INGERSOLL, JONATHAN E., JR., JEFFREY SKELTON, AND ROMAN L. WEIL. "Duration Forty Years Later." *Journal of Financial and Quantitative Analysis*, 13, No. 4 (November 1978), 627–650.
- [521] INMON, WILLIAM H., CLAUDIA IMHOFF, AND RYAN SOUSA. *Corporate Information Factory*. New York: John Wiley, 1998.
- [522] INTERNETWEEK. "Transformation of the Enterprise 1999." *Internetweek*, October 28, 1999.
- [523] INUI, KOJI, AND MASAOKI KIJIMA. "A Markovian Framework in Multi-Factor Heath-Jarrow-Morton Models." *Journal of Financial and Quantitative Analysis*, 33, No. 3 (September 1998), 423–440.
- [524] ITO, KIYOSI. "Stochastic Integral." *Proc. Imperial Acad. Tokyo*, Vol. 20, 1944, pp. 519–524.
- [525] ITO, KIYOSI. "On a Formula Concerning Stochastic Differentials." *Nagoya Mathematics Journal*, Vol. 3, 1951, pp. 55–65.
- [526] JACKWERTH, JENS CARSTEN. "Generalized Binomial Trees." *The Journal of Derivatives*, 5, No. 2 (Winter 1997), 7–17.
- [527] JACKWERTH, JENS CARSTEN. "Option-Implied Risk-Neutral Distributions and Implied Binomial Trees: a Literature Review." *The Journal of Derivatives*, Winter 1999, pp. 66–82.
- [528] JACOB, DAVID P., GRAHAM LOAD, AND JAMES A. TILLEY. "Price, Duration and Convexity of Mortgage-Backed Securities." In [331, pp. 81–101].
- [529] JAMSHIDIAN, FARSHID. "An Exact Bond Option Formula." *The Journal of Finance*, 44, No. 1 (March 1989), 205–209.
- [530] JAMSHIDIAN, FARSHID. "Bond and Option Evaluation in the Gaussian Interest Rate Model." *Research in Finance*, Vol. 9 (1991), 131–170.
- [531] JAMSHIDIAN, FARSHID. "Forward Induction and Construction of Yield Curve Diffusion Models." *The Journal of Fixed Income*, June 1991, pp. 62–74.
- [532] JAMSHIDIAN, FARSHID, AND YU ZHU. "Scenario Simulation: Theory and Methodology." *Finance and Stochastics*, Vol. 1 (1997), 43–67.
- [533] JARROW, ROBERT A. *Modelling Fixed Income Securities and Interest Rate Options*. New York: McGraw-Hill, 1996.
- [534] JARROW, ROBERT A. "The HJM Model: Its Past, Present, and Future." *The Journal of Financial Engineering*, 6, No. 4 (1997), 269–279.
- [535] JARROW, ROBERT A. "In Honor of the Nobel Laureates Robert C. Merton and Myron S. Scholes: a Partial Differential Equation That Changed the World." *The Journal of Economic Perspectives*, 13, No. 4 (Fall 1999), 229–248.
- [536] JARROW, ROBERT A., AND STUART TURNBULL. "Pricing Derivatives on Financial Securities Subject to Credit Risk." *The Journal of Finance*, 50, No. 1 (March 1995), 53–85.
- [537] JARROW, ROBERT A., AND STUART TURNBULL. *Derivative Securities*. Cincinnati, Ohio: South-Western College Publishing, 1996.
- [538] JEFFREY, ANDREW. "Single Factor Heath-Jarrow-Morton Term Structure Models Based on Markov Spot Interest Rate Dynamics." *Journal of Financial and Quantitative Analysis*, 30, No. 4 (December 1995), 619–642.
- [539] JEGADEESH, NARASIMHAN, AND BRUCE TUCKMAN. (Ed.) *Advanced Fixed-Income Valuation Tools*. New York: John Wiley, 2000.
- [540] JIANG, GEORGE J., AND JOHN L. KNIGHT. "Finite Sample Comparison of Alternative Estimators of Ito Diffusion Processes: a Monte Carlo Study." *The Journal of Computational Finance*, 2, No. 3 (Spring 1999), 5–38.
- [541] JOHANSSON, FREDERIK, MICHAEL J. SEILER, AND MIKAEL TJARNBERG. "Measuring Downside Portfolio Risk." *The Journal of Portfolio Management*, 26, No. 1 (Fall 1999), 96–107.
- [542] JOHNSON, HERB. "Options on the Maximum or the Minimum of Several Assets." *Journal of Financial and Quantitative Analysis*, 22, No. 3 (September 1987), 277–283.
- [543] JOHNSON, HERB, AND DAVID SHANNO. "Option Pricing When the Variance Is Changing." *Journal of Financial and Quantitative Analysis*, 22, No. 2 (June 1987), 143–151.
- [544] JOHNSON, HERB, AND RENÉ STULZ. "The Pricing of Options with Default Risk." *The Journal of Finance*, 42, No. 2 (June 1987), 267–280.
- [545] JOHNSON, NORMAN LLOYD, AND SAMUEL KOTZ. *Distributions in Statistics: Continuous Univariate Distributions*, Vol. 1. New York: Houghton Mifflin, 1970.
- [546] JOHNSON, RICHARD A., AND DEAN W. WICHERN. *Applied Multivariate Statistical Analysis*. 3rd ed. Englewood Cliffs, New Jersey: Prentice-Hall, 1992.
- [547] JONES, F.J., AND A. JAIN. "Hedging Mortgage-Backed Securities." In [331, pp. 367–442].
- [548] JORDAN, JAMES V., AND SATTAR A. MANSI. "How Well Do Constant-Maturity Treasuries Approximate the On-the-Run Term Structure?" *The Journal of Fixed Income*, 10, No. 2 (September 2000), 35–45.
- [549] JORION, PHILIPPE. "Predicting Volatility in the Foreign Exchange Markets." *The Journal of Finance*, 50, No. 2 (June 1995), 507–528.
- [550] JORION, PHILIPPE. "Orange County Case: Using Value at Risk To Control Financial Risk." 1997.
- [551] JOUBERT, ADRIAAN. "Financial Applications and HPF." In *Proc. Conference on High Performance Computing: Issues, Methods and Applications*, June 1994.
- [552] JOUBERT, ADRIAAN, AND L.C.G. ROGERS. "Fast, Accurate and Inelegant Valuation of American Options." Manuscript, April 1995.

- [553] JOY, CORWIN, PHELIM P. BOYLE, AND KEN SENG TAN. "Quasi-Monte Carlo Methods in Numerical Finance." *Management Science*, 42, No. 6 (June 1996), 926–938.
- [554] JU, NENGIJU. "Pricing an American Option by Approximating Its Early Exercise Boundary as a Multipiece Exponential Function." *The Review of Financial Studies*, 11, No. 3 (Fall 1998), 627–646.
- [555] JUNG, ALAN. "Improving the Performance of Low-Discrepancy Sequences." *The Journal of Derivatives*, 6, No. 2 (Winter 1998), 85–95.
- [556] KAHNEMAN, DANIEL, AND MARK W. RIEPE. "Aspects of Investor Psychology." *The Journal of Portfolio Management*, 24, No. 4 (Summer 1998), 52–65.
- [557] KAHNEMAN, DANIEL, AND AMOS TVERSKY. "Prospect Theory: an Analysis of Decision under Risk." *Econometrica*, Vol. 47 (1979), 263–291.
- [558] KAJIMA, MASAOKI, AND MATSUYA KOMORIBAYASHI. "A Markov Chain Model for Valuing Credit Risk Derivatives." *The Journal of Derivatives*, 6, No. 1 (Fall 1998), 97–108.
- [559] KALOTAY, ANDREW J., AND LESLIE A. ABREO. "Puttable/Callable/Reset Bonds: Intermarket Arbitrage with Unpleasant Side Effects." *The Journal of Derivatives*, 6, No. 3 (Spring 1999), 88–93.
- [560] KAMAL, MICHAEL, AND EMANUEL DERMAN. "Correcting Black-Scholes." *Risk*, 12, No. 1 (January 1999), 82–85.
- [561] KAMPHOEFNER, J.E., AND R.J. MCKENDRY. "Trading and Arbitrage Strategies Using Debt Options." In [332, Chapter 8].
- [562] KAMRAD, BARDIA, AND PETER RITCHKEN. "Multinomial Approximating Models for Options with k State Variables." *Management Science*, 37, No. 12 (December 1991), 1640–1652.
- [563] KANG, PAN, AND STAVROS A. ZENIOS. "Complete Prepayment Models for Mortgage-Backed Securities." *Management Science*, 38, No. 11 (November 1992), 1665–1685.
- [564] KANNAN, D. *An Introduction to Stochastic Processes*. New York: Elsevier North Holland, 1979.
- [565] KARATZAS, IOANNIS. "Optimization Problems in the Theory of Continuous Trading." *SIAM Journal on Control and Optimization*, 27, No. 6 (November 1989), 1221–1259.
- [566] KARLIN, SAMUEL, AND HOWARD M. TAYLOR. *A First Course in Stochastic Processes*. 2nd ed. New York: Academic Press, 1975.
- [567] KARLIN, SAMUEL, AND HOWARD M. TAYLOR. *A Second Course in Stochastic Processes*. New York: Academic Press, 1981.
- [568] KARLOFF, HOWARD. *Linear Programming*. Boston: Birkhäuser, 1991.
- [569] KAU, JAMES B., DONALD C. KEENAN, WALTER J. MULLER III, AND JAMES F. EPPERSON. "Rational Pricing of Adjustable Rate Mortgages." *Journal of the American Real Estate & Urban Economics Association*, 13, No. 2 (Summer 1985), 117–127.
- [570] KELLISON, S.G. *The Theory of Interest*. 2nd ed. Burr Ridge, Illinois: Richard D. Irwin, 1991.
- [571] KEMNA, A.G.Z., AND A.C.F. VORST. "A Pricing Method for Options Based on Average Asset Values." *Journal of Banking & Finance*, 14, No. 1 (March 1990), 113–129.
- [572] KENDALL, WILFRID S. "Ito's Itô: Doing Stochastic Calculus with *Mathematica*." In [890, Chapter 10].
- [573] KENNEDY, P. *A Guide to Econometrics*. 3rd ed. Cambridge, Massachusetts: The MIT Press, 1993.
- [574] KIKUGAWA, T., AND K.J. SINGLETON. "Modeling the Term Structure of Interest Rates in Japan." *The Journal of Fixed Income*, 4, No. 2 (September 1994), 6–16.
- [575] KIM, DONGCHEOL, AND STANLEY J. KON. "Alternative Models for the Conditional Heteroscedasticity of Stock Returns." *Journal of Business*, 67, No. 4 (October 1994), 563–598.
- [576] KING, TAO-HSIEN DOLLY, AND DAVID C. MAUER. "Corporate Call Policy for Nonconvertible Bonds." *Journal of Business*, 73, No. 3 (July 2000), 403–444.
- [577] KISHIMOTO, NAOKI. "Duration and Convexity of Coupon Bond Futures." *The Journal of Fixed Income*, 8, No. 1 (June 1998), 79–83.
- [578] KLASSEN, TIMOTHY R. "Simple, Fast and Flexible Pricing of Asian Options." Manuscript, 1999. To appear in *The Journal of Computational Finance*.
- [579] KLOEDEN, PETER E., AND ECKHARD PLATEN. *Numerical Solution of Stochastic Differential Equations*. Berlin: Springer-Verlag, 1992.
- [580] KLOEDEN, PETER E., ECKHARD PLATEN, HENRI SCHURZ. *Numerical Solution of SDE through Computer Experiments*. Berlin: Springer-Verlag, 1994.
- [581] KLOEDEN, P.E., E. PLATEN, H. SCHURZ, AND M. SØRENSEN. "On Effects of Discretization on Estimators of Drift Parameters for Diffusion Processes." *Journal of Applied Probability*, 33, No. 4 (December 1996), 1061–1076.
- [582] KNECHT, G.B. "Houston Firms Sold Risky 'Toxic Waste' for Wall Street Giants." *The Wall Street Journal*, December 20, 1994, p. 1.
- [583] KNECHT, LUKE, AND MIKE MCCOWIN. "Valuing Convertible Securities." In [333, pp. 97–116].
- [584] KNUTH, DONALD E. *The Art of Computer Programming, Vol. II: Seminumerical Algorithms*. 3rd ed. Reading, Massachusetts: Addison-Wesley, 1998.
- [585] KON, STANLEY J. "Models of Stock Returns—A Comparison." *The Journal of Finance*, 39, No. 1 (March 1984), 147–165.
- [586] KOPPRASCH, ROBERT W. "Option-Adjusted Spread Analysis: Going down the Wrong Path?" *Financial Analysts Journal*, 50, No. 3 (May–June 1994), 42–47.
- [587] KOUTMOS, GREGORY. "Modeling Short-Term Interest Rate Volatility: Information Shocks versus Interest Rate Levels." *The Journal of Fixed Income*, 9, No. 4 (March 2000), 19–26.
- [588] KRAUS, ALAN, AND MAXWELL SMITH. "A Simple Multifactor Term Structure Model." *The Journal of Fixed Income*, June 1993, pp. 19–23.

- [589] KREMER, JOSEPH W., AND RODNEY L. ROENFELDT. "Warrant Pricing: Jump-Diffusion vs. Black-Scholes." *Journal of Financial and Quantitative Analysis*, 28, No. 2 (June 1992), pp. 255ff.
- [590] KRISHNAN, VENKATARAMA. *Nonlinear Filtering and Smoothing*. New York: John Wiley, 1984.
- [591] KRITZMAN, MARK. "Portfolio Insurance and Related Dynamic Trading Strategies." In [358, Chapter 11].
- [592] KRITZMAN, MARK. "What Practitioners Need To Know about the Term Structure of Interest Rates." *Financial Analysts Journal*, 49, No. 4 (July–August 1993), 14–18.
- [593] KRITZMAN, MARK. "What Practitioners Need To Know about Hedging." *Financial Analysts Journal*, 49, No. 5 (September–October 1993), 22–26.
- [594] KRITZMAN, MARK. "What Practitioners Need To Know about Monte Carlo Simulation." *Financial Analysts Journal*, 49, No. 6 (November–December 1993), 17–20.
- [595] KUPIEC, PAUL H. "Stress Testing in a Value at Risk Framework." *The Journal of Derivatives*, 6, No. 1 (Fall 1998), 7–24.
- [596] KUSHNER, HAROLD J. *Probability Methods for Approximations in Stochastic Control and for Elliptic Equations*. New York: Academic Press, 1977.
- [597] KUSHNER, HAROLD J. *Approximation and Weak Convergence Methods for Random Processes with Applications to Stochastic Systems Theory*. Cambridge, Massachusetts: The MIT Press, 1984.
- [598] KWAN, THOMAS T., ROBERT E. MCGRATH, AND DANIEL A. REED. "NCSA's World Wide Web Server: Design and Performance." *Computer*, 28, No. 11 (November 1995), 68–74.
- [599] KWOK, YUE-KUEN. *Mathematical Models of Financial Derivatives*. Singapore: Springer-Verlag, 1998.
- [600] LAKATOS, IMRE. *Proofs and Refutations: the Logic of Mathematical Discovery*. Cambridge: Cambridge University Press, 1989.
- [601] LAMBERTON, DAMIEN. "Convergence of the Critical Price in the Approximation of American Options." *Mathematical Finance*, 3, No. 2 (April 1993), 179–190.
- [602] LAMLE, HUGH R. "Ginnie Mae: Age Equals Beauty." *The Journal of Portfolio Management*, Winter 1981, pp. 75–79.
- [603] LAMOUREUX, CHRISTOPHER G., AND WILLIAM D. LASTRAPES. "Heteroskedasticity in Stock Return Data: Volume versus GARCH Effects." *The Journal of Finance*, 45, No. 1 (March 1990), 221–229.
- [604] LAMOUREUX, CHRISTOPHER G., AND WILLIAM D. LASTRAPES. "Forecasting Stock-Return Variance: toward an Understanding of Stochastic Implied Volatility." *The Review of Financial Studies*, 6, No. 2 (1993), 293–326.
- [605] LAMPORT, LESLIE. *L^AT_EX: a Document Preparation System*. 2nd ed. Reading, Massachusetts: Addison-Wesley, 1994.
- [606] LANCASTER, K. *Mathematical Economics*. New York: Dover, 1987.
- [607] LANCZOS, C. *Applied Analysis*. First published in 1956. New York: Dover, 1988.
- [608] LANDO, DAVID. "Some Elements of Rating-Based Credit Risk Modeling." In [539, Chapter 7].
- [609] LAW, AVERILL M., AND W. DAVID KELTON. *Simulation Modeling and Analysis*. 2nd ed. New York: McGraw-Hill, 1991.
- [610] LAWLER, GREGORY F. *Introduction to Stochastic Processes*. London: Chapman & Hall, 1995.
- [611] LAWSON, CHARLES L., AND RICHARD J. HANSON. *Solving Least Squares Problems*. Philadelphia: SIAM, 1995.
- [612] LEHMANN, BRUCE N. "Fads, Martingales, and Market Efficiency." *The Quarterly Journal of Economics*, 105, Issue 1 (February 1990), 1–28.
- [613] LEIGHTON, F. THOMSON. *Introduction to Parallel Algorithms and Architectures: Arrays, Trees, Hypercubes*. San Mateo, California: Morgan Kaufmann, 1992.
- [614] LEISEN, DIETMAR. "Pricing the American Put Option: a Detailed Convergence Analysis for Binomial Models." *Journal of Economic Dynamics & Control*, Vol. 22 (1998), 1419–1444.
- [615] LEISEN, DIETMAR, AND MATTHIAS REIMER. "Binomial Models for Option Valuation—Examining and Improving Convergence." *Applied Mathematical Finance*, Vol. 3 (1996), 319–346.
- [616] LELAND, HAYNE E. "Beyond Mean-Variance: Performance Measurement in a Nonsymmetrical World." *Financial Analysts Journal*, January–February 1999, pp. 27–36.
- [617] LEONG, KENNETH. "Solving the Mystery." In [771, Chapter 11].
- [618] LEROY, STEPHEN F. "Efficient Capital Markets and Martingales." *Journal of Economic Literature*, 27, No. 4 (December 1989), 1583–1621.
- [619] LEROY, STEPHEN F. "Mortgage Valuation under Optimal Prepayment." *The Review of Financial Studies*, 9, No. 3 (Fall 1996), 817–844.
- [620] LEVY, EDMOND. "Pricing European Average Rate Currency Options." *Journal of International Money and Finance*, Vol. 11 (1992), 474–491.
- [621] LEVY, EDMOND, AND FRANÇOIS MANTION. "Discrete by Nature." *Risk*, 10, No. 1 (January 1997), 74–75.
- [622] LEVY, EDMOND, AND STUART TURNBULL. "Average Intelligence." In [771, Chapter 23].
- [623] LEWIS, MICHAEL. "Wall Street Crashes Venture Caps Party." *Bloomberg News*, September 28, 2000.
- [624] LI, ANLONG, PETER RITCHKEN, AND L. SANKARASUBRAMANIAN. "Lattice Models for Pricing American Interest Rate Claims." *The Journal of Finance*, 50, No. 2 (June 1995), 719–737.
- [625] LIAO, ANDY, AND YUH-DAUH LYUU. "Computer Applications on Wall Street." Manuscript, Fixed Income Research, Citicorp Securities, New York, 1994.

- [626] LINSMEIER, THOMAS J., AND NEIL D. PEARSON. "Value at Risk." *Financial Analysts Journal*, 56, No. 2 (March–April 2000), 47–67.
- [627] LINT, J.H. VAN, AND R.M. WILSON. *A Course in Combinatorics*. Cambridge: Cambridge University Press, 1994.
- [628] LINTNER, JOHN. "The Valuation of Risk Assets and the Selection of Risky Investments in Stock Portfolios and Capital Budgets." *Review of Economics and Statistics*, Vol. 47 (February 1965), 13–37.
- [629] LIONS, J.L. "Ariane 5 Flight 501 Failure: Report by the Inquiry Board." Paris, July 19, 1996.
- [630] LITTERMAN, ROBERT, AND JOSÉ SCHEINKMAN. "Common Factors Affecting Bond Returns." *The Journal of Fixed Income*, Vol. 1 (June 1991), 54–61.
- [631] LITZENBERGER, ROBERT H. "Swaps: Plain and Fanciful." *The Journal of Finance*, 47, No. 3 (July 1992), 831–850.
- [632] LITZENBERGER, ROBERT H., AND JACQUES ROLFO. "An International Study of Tax Effects on Government Bonds." *The Journal of Finance*, 39, No. 1 (March 1984), 1–22.
- [633] LIU, YU-HONG. *Barrier Options Pricing: Combinatorial Methods and Trinomial Tree Algorithms*. Master's Thesis. Department of Computer Science and Information Engineering, National Taiwan University, Taiwan, 1997.
- [634] LO, ANDREW W. "Maximum Likelihood Estimation of Generalized Ito Processes with Discretely Sampled Data." *Econometric Theory*, 4, No. 2 (August 1988), 231–247.
- [635] LO, ANDREW W. "Neural Networks and Other Nonparametric Techniques in Economics and Finance." In *Blending Quantitative and Traditional Equity Analysis*. Association for Investment Management and Research, 1994.
- [636] LO, ANDREW W., AND JIANG WANG. "Implementing Option Pricing Models When Asset Returns Are Predictable." *The Journal of Finance*, 50, No. 1 (March 1995), 87–129.
- [637] LO, ANDREW W., AND JIANG WANG. "Trading Volume: Definitions, Data Analysis, and Implementations of Portfolio Theory." *The Review of Financial Studies*, 13, No. 2 (Summer 2000), 257–300.
- [638] LONG, D. MICHAEL, AND DENNIS T. OFFICER. "The Relation between Option Mispricing and Volume in the Black-Scholes Option Model." *The Journal of Financial Research*, 20, No. 1 (Spring 1997), 1–12.
- [639] LONGSTAFF, FRANCIS A. "The Valuation of Options on Yields." *Journal of Financial Economics*, Vol. 26 (1990), 97–121.
- [640] LONGSTAFF, FRANCIS A. "Hedging Interest Rate Risk with Options on Average Interest Rates." *The Journal of Fixed Income*, 5, No. 2 (September 1995), 37–45.
- [641] LONGSTAFF, FRANCIS A., AND EDUARDO S. SCHWARTZ. "Interest Rate Volatility and Bond Prices." *Financial Analysts Journal*, 49, No. 4 (July–August 1993), 70–74.
- [642] LOOMIS, CAROL J. "Long-Term Capital: a House Built on Sand." *Fortune*, October 26, 1998, pp. 98–106.
- [643] LOWELL, L. "Mortgage Pass-Through Securities." In [335, Chapter 4] and [339, Chapter 27].
- [644] LOWENSTEIN, LOUIS. *Sense and Nonsense in Corporate Finance*. Reading, Massachusetts: Addison-Wesley, 1991.
- [645] LUBY, MICHAEL. *Pseudorandomness and Cryptographic Applications*. Princeton: Princeton University Press, 1996.
- [646] LUEHRMAN, TIMOTHY A. "Strategy as a Portfolio of Real Options." *Harvard Business Review*, September–October 1998, pp. 89–99.
- [647] LUENBERGER, DAVID G. *Investment Science*. New York: Oxford University Press, 1998.
- [648] LYUU, YUH-DAUH. "Very Fast Algorithms for Barrier Option Pricing and the Ballot Problem." *The Journal of Derivatives*, 5, No. 3 (Spring 1998), 68–79.
- [649] LYUU, YUH-DAUH. "A General Computational Method for Calibration Based on Differential Trees." *The Journal of Derivatives*, 7, No. 1 (Fall 1999), 79–90.
- [650] LYUU, YUH-DAUH, AND CHEN-LEH WANG. "An Object-Oriented Framework for Financial Computation on Three-Tier Client/Server Architectures." In *Proc. 13th Workshop on Combinatorial Mathematics and Computation Theory*, Providence University, Taiwan, 1996.
- [651] MACAULAY, FREDERICK R. *Some Theoretical Problems Suggested by the Movements of Interest Rates, Bond Yields, and Stock Prices in the United States since 1856*. New York: National Bureau of Economic Research (NBER), 1938.
- [652] MADAN, DILIP B., FRANK MILNE, AND HERSH SHEFRIN. "The Multinomial Option Pricing Model and Its Brownian and Poisson Limits." *The Review of Financial Studies*, 2, No. 2 (1989), 251–265.
- [653] MADAN, DILIP, AND HALUK UNAL. "A Two-Factor Hazard Rate Model for Pricing Risky Debt and the Term Structure of Credit Spread." *Journal of Financial and Quantitative Analysis*, 35, No. 1 (March 2000), 43–65.
- [654] MAGHSOODI, YOOSEF. "Solution of the Extended CIR Term Structure and Bond Option Valuation." *Mathematical Finance*, 6, No. 1 (January 1996), 89–109.
- [655] MAIocchi, ROBERTO. "The Case of Brownian Motion." *British Journal for History of Science*, 23, Part 3, No. 78 (September 1990), 257–283.
- [656] MALINVAUD, E. *Statistical Methods of Econometrics*. 3rd revised ed. Amsterdam: North-Holland, 1980.
- [657] MALKIEL, BURTON G. "Term Structure of Interest Rates." In [318, pp. 265–270].
- [658] MALKIEL, BURTON G. "Returns from Investing in Equity Mutual Funds 1971 to 1991." *The Journal of Finance*, 50, No. 2 (June 1995), 549–572.
- [659] MALKIEL, BURTON G. *A Random Walk down Wall Street*. New York: W.W. Norton, 1999.

- [660] MALKIEL, BURTON G., AND YEXIAO XU. "Risk and Return Revisited." *The Journal of Portfolio Management*, 23, No. 3 (Spring 1997), 9–14.
- [661] MANDELBROT, B.B. "Louis Bachelier." In [318], pp. 86–88].
- [662] MANES, S., AND P. ANDREWS. *Gates*. New York: Simon & Schuster, 1994.
- [663] MANKIW, N. GREGORY, AND JEFFREY A. MIRON. "The Changing Behavior of the Term Structure of Interest Rates." *The Quarterly Journal of Economics* 101, Issue 2 (May 1986), 211–228.
- [664] MARGRABE, WILLIAM. "The Value of an Option To Exchange One Asset for Another." *The Journal of Finance*, 33, No. 1 (March 1978), 177–186.
- [665] MARKOWITZ, HARRY M. "Portfolio Selection." *The Journal of Finance*, 7, No. 1 (1952), 77–91.
- [666] MARKOWITZ, HARRY M. *Mean-Variance Analysis in Portfolio Choice and Capital Markets*. Oxford: Blackwell, 1987.
- [667] MARKOWITZ, HARRY M. "The General Mean-Variance Portfolio Selection Problem." *Phil. Trans. R. Soc. Lond., A* 347, No. 1684 (June 15, 1994), 543–549.
- [668] MARKOWITZ, HARRY M. "The Early History of Portfolio Theory: 1600–1960." *Financial Analysts Journal*, July–August 1999, pp. 5–16.
- [669] MARSH, TERRY A., AND ERIC R. ROSENFELD. "Stochastic Processes for Interest Rates and Equilibrium Bond Prices." *The Journal of Finance*, 38, No. 2 (May 1983), 635–650.
- [670] MARSHALL, JOHN F., AND VIPUL K. BANSAL. *Financial Engineering: a Complete Guide to Financial Innovation*. New York: New York Institute of Finance, 1992.
- [671] MARX, KARL. *Das Kapital, Vol. 2: the Process of Circulation of Capital*. First published in 1885. New York: International Publishers, 1981.
- [672] MASON, SCOTT P., ROBERT C. MERTON, ANDRÉ F. PEROLD, AND PETER TUFANO. *Cases in Financial Engineering: Applied Studies of Financial Innovation*. Englewood Cliffs, New Jersey: Prentice-Hall, 1995.
- [673] MAYR, ERNST. *The Growth of Biological Thought: Diversity, Evolution, and Inheritance*. Cambridge, Massachusetts: Harvard University Press, 1982.
- [674] MCCONNELL, JOHN J., AND MANOJ SINGH. "Rational Prepayments and the Valuation of Collateralized Mortgage Obligations." *The Journal of Finance*, 49, No. 3 (July 1994), 891–921.
- [675] MCCONNELL, S. *Code Complete*. Redmond, Washington: Microsoft Press, 1993.
- [676] MCCOY, WILLIAM F. "Bond Dynamic Hedging and Return Attribution: Empirical Evidence." *The Journal of Portfolio Management*, Winter 1995, pp. 93–101.
- [677] MCCULLOCH, J. HUSTON. "The Tax-Adjusted Yield Curve." *The Journal of Finance*, 30, No. 3 (June 1975), 811–830.
- [678] MCENALLY, RICHARD W., AND JAMES V. JORDAN. "The Term Structure of Interest Rates." In [339, Chapter 37].
- [679] MEHRLING, PERRY. "Minsky and Modern Finance." *The Journal of Portfolio Management*, 26, No. 2 (Winter 2000), 81–88.
- [680] MELEIS, HANAFY. "Toward the Information Network." *Computer*, 29, No. 10 (October 1996), 59–67.
- [681] MELMAN, A. "Geometry and Convergence of Euler's and Halley's Methods." *SIAM Review*, 39, No. 4 (December 1997), 728–735.
- [682] MENGER, CARL. *Investigations into the Method of the Social Sciences with Special Reference to Economics*. New York: New York University Press, 1985.
- [683] MERTON, ROBERT C. "Options." In [318], pp. 213–218].
- [684] MERTON, ROBERT C. "Influence of Mathematical Models in Finance on Practice: Past, Present and Future." *Phil. Trans. R. Soc. Lond., A* 347, No. 1684 (June 15, 1994), 451–463.
- [685] MERTON, ROBERT C. *Continuous-Time Finance*. Revised ed. Cambridge, Massachusetts: Blackwell, 1994.
- [686] MERTON, ROBERT C. "Finance Theory and Future Trends: the Shift to Integration." *Risk*, 12, No. 7 (July 1999), 48–51.
- [687] MERTON, ROBERT C., AND MYRON S. SCHOLES. "Fischer Black." *The Journal of Finance*, 50, No. 5 (December 1995), 1359–1370.
- [688] MILEVSKY, MOSHE ARYE, AND STEVEN E. POSNER. "A Closed-Form Approximation for Valuing Basket Options." *The Journal of Derivatives*, 5, No. 4 (Summer 1998), 54–61.
- [689] MILEVSKY, MOSHE ARYE, AND STEVEN E. POSNER. "Asian Options, the Sum of Lognormals, and the Reciprocal Gamma Distribution." *Journal of Financial and Quantitative Analysis*, 33, No. 3 (September 1998), 409–422.
- [690] MILL, JOHN STUART. *Principles of Political Economy*. Books IV and V. First published in 1848. New York: Penguin, 1985.
- [691] MILLER, MERTON H. "The History of Finance." *The Journal of Portfolio Management*, 25, No. 4 (Summer 1999), 95–101.
- [692] MILLS, TERENCE C. *Time Series Techniques for Economists*. Cambridge: Cambridge University Press, 1990.
- [693] MIL'SHTEIN, G.N. "Approximate Integration of Stochastic Differential Equations." *Theory of Probability and Its Applications*, 19, No. 2 (June 1974), 557–562.
- [694] MIL'SHTEIN, G.N. "A Method of Second-Order Accuracy Integration of Stochastic Differential Equations." *SIAM Theory of Probability and Its Applications*, 23, No. 2 (June 1978), 396–401.
- [695] MILTERSEN, KRISTIAN R. "An Arbitrage Theory of the Term Structure of Interest Rates." *Annals of Applied Probability*, 4, No. 4 (November 1994), 953–967.
- [696] MISES, RICHARD VON. *Probability, Statistics, and Truth*. First published in 1928. New York: Dover, 1981.
- [697] MOAD, J. "Time for a Fresh Approach to DOI." *Datamation*, 41, No. 3 (February 15, 1995), 57–59.
- [698] MODIGLIANI, FRANCO, AND LEAH MODIGLIANI. "Risk-Adjusted Performance." *The Journal of Portfolio Management*, 23, No. 2 (Winter 1997), 45–54.

- [699] MODIGLIANI, FRANCO, AND RICHARD SUTCH. "Innovations in Interest Rate Policy." *The American Economic Review*, Vol. 56 (May 1966), 178–197.
- [700] MOHANTY, SRI GOPAL. *Lattice Path Counting and Applications*. New York: Academic Press, 1979.
- [701] MONTESQUIEU, CHARLES DE. *The Spirit of Laws*. First published in 1748. Chicago: Encyclopaedia Britannica, 1952.
- [702] MORALEDA, JUAN M., AND ANTOON PELSSER. "Forward versus Spot Interest Rate Models of the Term Structure: an Empirical Comparison." *The Journal of Derivatives*, 7, No. 3 (Spring 2000), 9–21.
- [703] MORO, BORIS. "The Full Monte." *Risk*, 8, No. 2 (February 1995), 57–58.
- [704] MOROKOFF, WILLIAM J. "Generating Quasi-Random Paths for Stochastic Processes." *SIAM Review*, 40, No. 4 (December 1998), 765–788.
- [705] MORRIS, KENNETH M., AND ALAN M. SIEGEL. *The Wall Street Journal Guide to Understanding Money & Investing*. New York: Simon & Schuster, 1993.
- [706] MOSSIN, JAN. "Equilibrium in a Capital Asset Market." *Econometrica*, Vol. 34 (October 1966), 768–783.
- [707] MUSIELA, MAREK, AND MAREK RUTKOWSKI. *Martingale Methods in Financial Modeling*. Berlin: Springer-Verlag, 1997.
- [708] MUSIELA, MAREK, STUART M. TURNBULL, AND LEE M. WAKEMAN. "Interest Rate Risk Management." *Review of Futures Markets*, 12, No. 1 (1993), 221–261.
- [709] MYNENI, RAVI. "The Pricing of the American Options." *Annals of Applied Probability*, 2, No. 1 (1992), 1–23.
- [710] NABAR, P.G., AND J.E. TIERNEY. "Market Dynamics of Eleventh District COFI in a Post-RTC World." *The Journal of Fixed Income*, December 1993, pp. 63–70.
- [711] NAGOT, ISABELLE, AND ROBERT TROMMSDORFF. "The Tree of Knowledge." *Risk*, 12, No. 8 (August 1999), 99–102.
- [712] NARAYANA, T.V. *Lattice Path Combinatorics with Statistical Applications*. Toronto: University of Toronto Press, 1979.
- [713] NASH, STEPHEN G., AND ARIELA SOFER. *Linear and Nonlinear Programming*. New York: McGraw-Hill, 1996.
- [714] NATH, ALOKE. *The Guide to SQL Server*. 2nd ed. Reading, Massachusetts: Addison-Wesley, 1995.
- [715] NAUSS, ROBERT M. "Bond Portfolio Analysis Using Integer Programming." In [930, Chapter 11].
- [716] NAWALKHA, SANJAY K., AND DONALD R. CHAMBERS. "The Binomial Model and Risk Neutrality: Some Important Details." *The Financial Review*, 30, No. 3 (August 1995), 605–615.
- [717] NEFTCI, SALIH N. "Value at Risk Calculation, Extreme Events, and Tail Estimation." *The Journal of Derivatives*, 7, No. 3 (Spring 2000), 23–37.
- [718] NEFTCI, SALIH N. *An Introduction to the Mathematics of Financial Derivatives*. 2nd ed. San Diego, California: Academic Press, 2000.
- [719] NEGRYCH, C., AND D. SENFT. "Portfolio Insurance Using Synthetic Puts—the Reasons, Rewards and Risks." In [332, Chapter 12].
- [720] NELSON, C.R. *The Term Structure of Interest Rates*. New York: Basic Books, 1972.
- [721] NELSON, CHARLES R., AND ANDREW F. SIEGEL. "Parsimonious Modeling of Yield Curves." *Journal of Business*, 60, No. 4 (1987), 473–489.
- [722] NELSON, DANIEL B., AND KRISHNA RAMASWAMY. "Simple Binomial Processes as Diffusion Approximations in Financial Models." *The Review of Financial Studies*, 3, No. 3 (1990), 393–430.
- [723] NYBORG, K.G. "The Use and Pricing of Convertible Bonds." *Applied Mathematical Finance*, Vol. 3 (1996), 167–190.
- [724] NEW YORK INSTITUTE OF FINANCE. *Stocks, Bonds, Options, Futures: Investments and Their Markets*. Englewood Cliffs, New Jersey: Prentice-Hall, 1987.
- [725] NIEDERREITER, HARALD. *Random Number Generation and Quasi-Monte Carlo Methods*. Philadelphia: SIAM, 1992.
- [726] NIELSEN, J.A., AND K. SANDMANN. "The Pricing of Asian Options under Stochastic Interest Rates." *Applied Mathematical Finance*, Vol. 3 (1996), 209–236.
- [727] NOBLE, BEN. *Applied Linear Algebra*. Englewood Cliffs, New Jersey: Prentice-Hall, 1969.
- [728] OGDEN, JOSEPH P. "An Analysis of Yield Curve Notes." *The Journal of Finance*, 42, No. 1 (March 1987), 99–110.
- [729] OHMAE, KENICHI. "Five Strong Signals of Japan's Coming Crash." *The Straits Times*, July 6, 1998, p. 28.
- [730] OMBERG, EDWARD. "A Note on the Convergence of Binomial-Pricing and Compound-Option Models." *The Journal of Finance*, 42, No. 2 (June 1987), 463–469.
- [731] OREIZY, PEYMAN, AND GAIL KAISER. "The Web as Enabling Technology for Software Development and Distribution." *Internet Computing*, 1, No. 6 (November/December 1997), 84–87.
- [732] ORTEGA, J.M. *Introduction to Parallel and Vector Solution of Linear Systems*. New York: Plenum Press, 1988.
- [733] ORTEGA, J.M., AND R.G. VOIGT. *Solution of Partial Differential Equations on Vector and Parallel Computers*. Philadelphia: SIAM, 1985.
- [734] ORVIS, WILLIAM J. *Excel for Scientists and Engineers*. 2nd ed. San Francisco: SYBEX, 1995.
- [735] OSBORNE, M. "Brownian Motion in the Stock Market." *Operations Research*, Vol. 7, 1959, pp. 145–173.
- [736] PAINE, L.S. "Managing for Organizational Integrity." *Harvard Business Review*, 72, No. 2 (March–April 1994), 106–117.
- [737] PAPADIMITRIOU, CHRISTOS H. *Computational Complexity*. Reading, Massachusetts: Addison-Wesley, 1994.

- [738] PAPAGEORGIOU, A., AND J.F. TRAUB. "New Results on Deterministic Pricing of Financial Derivatives." Technical Report CUCS-028-96, Department of Computer Science, Columbia University, 1996.
- [739] PAQUETTE, L., AND P. VANKUDRE. "Citicorp's Rich/Cheap Model for Treasury Securities." Research Series, Citicorp Fixed Income Research, Vol. 3, No. 4, September 1988.
- [740] PARKINSON, MICHAEL. "Option Pricing: the American Put." *Journal of Business*, 50, No. 1 (January 1977), 21–36.
- [741] PARNAS, DAVID LORGE. "Why Software Jewels Are Rare." *Computer*, 29, No. 2 (February 1996), 57–60.
- [742] PASKOV, SPASSIMIR H. "New Methodologies for Valuing Derivatives." Technical Report CUCS-029-96, Department of Computer Science, Columbia University, 1996. To appear in *Mathematics of Derivative Securities*. Edited by S. Pliska and M. Dempster. Cambridge: Cambridge University Press, 1996.
- [743] PASKOV, SPASSIMIR H., AND J.F. TRAUB. "Faster Valuation of Financial Derivatives." Technical Report CUCS-030-96, Department of Computer Science, Columbia University, 1996.
- [744] PATTERSON, DAVID A., AND JOHN H. HENNESSY. *Computer Organization & Design: the Hardware/Software Interface*. 2nd ed. San Mateo, California: Morgan Kaufmann, 1994.
- [745] PELSSER, ANTOON, AND TON VORST. "The Binomial Model and the Greeks." *The Journal of Derivatives*, 1, No. 3 (Spring 1994), 45–49.
- [746] PETERSON, LARRY L., AND BRUCE S. DAVIE. *Computer Networks: a Systems Approach*. 2nd ed. San Mateo, California: Morgan Kaufmann, 2000.
- [747] PHELAN, MICHAEL J. "Probability and Statistics Applied to the Practice of Financial Risk Management: the Case of JP Morgan's RiskMetrics™." Working paper No. 95-19, Wharton School, University of Pennsylvania.
- [748] PHILLIPS, DON T., A. RAVINDRAN, AND J.J. SOLBERG. *Operations Research: Principles and Practice*. New York: John Wiley, 1976.
- [749] PHOA, WESLEY. "Can You Derive Market Volatility Forecasts from the Observed Yield Curve Convexity Bias?" *The Journal of Fixed Income*, 7, No. 1 (June 1997), 43–54.
- [750] PIKOVSKY, IGOR, AND IOANNIS KARATZAS. "Anticipative Portfolio Optimization." Manuscript, November 28, 1995. To appear in *Advances in Applied Probability*.
- [751] PITTS, MARK, AND FRANK J. FABOZZI. "Introduction to Interest-Rate Futures and Options Contracts." In [339, Chapter 50].
- [752] PLISKA, STANLEY R. *Introduction to Mathematical Finance: Discrete-Time Models*. Malden, Massachusetts: Blackwell, 1997.
- [753] PRECHELT, LUTZ. "An Empirical Comparison of Seven Programming Languages." *Computer*, 33, No. 10 (October 2000), 23–29.
- [754] PRESS, WILLIAM H., SAUL A. TEUKOLSKY, WILLIAM T. VETTERLING, AND BRIAN P. FLANNERY. *Numerical Recipes in C: the Art of Scientific Computing*. 2nd ed. Cambridge: Cambridge University Press, 1992.
- [755] PRITSKER, MATT. "Nonparametric Density Estimation and Tests of Continuous Time Interest Rate Models." *The Review of Financial Studies*, 11, No. 3 (Fall 1998), 449–487.
- [756] PUBLIC SECURITIES ASSOCIATION. "Standard Formulas for the Analysis of Mortgage-Backed Securities and Other Related Securities." July 1, 1990.
- [757] RAYMAR, STEVEN B., AND MICHAEL J. ZWECHER. "Monte Carlo Estimation of American Call Options on the Maximum of Several Stocks." *The Journal of Derivatives*, 5, No. 1 (Fall 1997), 7–23.
- [758] REBONATO, RICCARDO. *Interest-Rate Option Models: Understanding, Analyzing, and Using Interest Rate Models for Exotic Interest-Rate Options*. 2nd ed. New York: John Wiley, 1998.
- [759] REDINGTON, F.M. "Review of the Principles of Life-Office Valuations." *Journal of the Institute of Actuaries*, 18, No. 3 (1952), 286–315.
- [760] REGLI, WILLIAM. "Intranets." *Internet Computing*, 1, No. 5 (September/October 1997), 6–7.
- [761] REINER, ERIC. "Quanto Mechanics." In [771, Chapter 22].
- [762] REISMAN, HAIM. "A Binomial Tree for the Hull and White Model with Probabilities Independent of the Initial Term Structure." *The Journal of Fixed Income*, 6, No. 3 (December 1996), 92–96.
- [763] RENAUD, P.E. *Introduction to Client/Server Systems: a Practical Guide for Systems Professionals*. New York: John Wiley, 1993.
- [764] RENDLEMAN, RICHARD J., JR. "Duration-Based Hedging with Treasury Bond Futures." *The Journal of Fixed Income*, 9, No. 1 (June 1999), 84–91.
- [765] RENDLEMAN, RICHARD J., JR., AND BRIT J. BARTTER. "Two State Option Pricing." *The Journal of Finance*, Vol. 34 (1979), 1093–1110.
- [766] RENDLEMAN, RICHARD J., JR., AND BRIT J. BARTTER. "The Pricing of Options on Debt Securities." *Journal of Financial and Quantitative Analysis*, 15, No. 1 (March 1980), 11–24.
- [767] RICH, DON R. "The Mathematical Foundations of Barrier Option-Pricing Theory." *Advances in Futures and Options Research*, Vol. 7 (1994), 267–311.
- [768] RICHARD, SCOTT F. "An Arbitrage Model of the Term Structure of Interest Rates." *Journal of Financial Economics*, 6, No. 1 (March 1978), 38–57.
- [769] RICHARD, SCOTT F., AND RICHARD ROLL. "Prepayments on Fixed-Rate Mortgage-Backed Securities." *The Journal of Portfolio Management*, 15, No. 3 (Spring 1989), 73–82.
- [770] RICHARDSON, MATTHEW, AND TOM SMITH. "A Test for Multivariate Normality in Stock Returns." *Journal of Business*, 66, No. 2 (April 1993), 295–321.
- [771] RISK MAGAZINE. *From Black-Scholes to Black Holes: New Frontiers in Options*. London: RISK/FINEX, 1992.

- [772] RITCHKEN, PETER. "On Pricing Barrier Options." *The Journal of Derivatives*, 3, No. 2 (Winter 1995), 19–28.
- [773] RITCHKEN, PETER. *Derivative Markets: Theory, Strategy, and Applications*. New York: HarperCollins, 1996.
- [774] RITCHKEN, PETER, AND L. SANKARASUBRAMANIAN. "Volatility Structures of Forward Rates and the Dynamics of the Term Structure." *Mathematical Finance*, 5, No. 1 (January 1995), 55–72.
- [775] RITCHKEN, PETER, L. SANKARASUBRAMANIAN, AND ANAND M. VIJH. "The Valuation of Path Dependent Contracts on the Average." *Management Science*, 39, No. 10 (October 1993), 1202–1213.
- [776] RITCHKEN, PETER, AND ROB TREVOR. "Pricing Options under Generalized GARCH and Stochastic Volatility Processes." *The Journal of Finance*, 54, No. 1 (February 1999), 377–402.
- [777] RITTER, L.S., AND W.L. SILBER. *Principles of Money, Banking, and Financial Markets*. New York: Basic Books, 1991.
- [778] ROBERDS, WILLIAM, DAVID RUNKLE, AND CHARLES H. WHITEMAN. "A Daily View of Yield Spreads and Short-Term Interest Rate Movements." *Journal of Money, Credit, and Banking*, 28, No. 1 (February 1996), 34–53.
- [779] ROBERTS, G.O., AND C.F. SHORTLAND. "Pricing Barrier Options with Time-Dependent Coefficients." *Mathematical Finance*, 7, No. 1 (January 1997), 83–93.
- [780] ROGERS, L.C.G. "Equivalent Martingale Measures and No-Arbitrage." *Stochastics and Stochastics Reports*, Vol. 51 (1994), 41–49.
- [781] ROGERS, L.C.G. "Which Model for Term-Structure of Interest Rates Should One Use?" In *Mathematical Finance*. Edited by Mark H.A. Davis, Darrell Duffie, Wendall H. Fleming, and Steven E. Shreve. Berlin: Springer-Verlag, 1995.
- [782] ROGERS, L.C.G., AND Z. SHI. "The Value of an Asian Option." *Journal of Applied Probability*, 32, No. 4 (December 1995), 1077–1088.
- [783] ROGERS, L.C.G., AND E.J. STAPLETON. "Fast Accurate Binomial Pricing." Manuscript, February 1997. To appear in *Finance & Stochastics*.
- [784] ROGERS, L.C.G., AND O. ZANE. "Valuing Moving Barrier Options." Manuscript, February 1997. To appear in *Journal of Computational Finance*.
- [785] ROLL, RICHARD. "Collateralized Mortgage Obligations: Characteristics, History, Analysis." In [331, pp. 7–43].
- [786] ROLL, RICHARD. "U.S. Treasury Inflation-Indexed Bonds: the Design of a New Security." *The Journal of Fixed Income*, 6, No. 3 (December 1996), 9–28.
- [787] ROLL, RICHARD, AND STEPHEN A. ROSS. "On the Cross-Sectional Relation between Expected Returns and Betas." *The Journal of Finance*, 49, No. 1 (March 1994), 101–121.
- [788] ROSE, COLIN. "Bounded and Unbounded Stochastic Processes." In [890, Chapter 11].
- [789] ROSE, M.E. "The Effective Cash Flow Method." *The Journal of Fixed Income*, 4, No. 2 (September 1994), 66–79.
- [790] ROSS, SHELDON M. *Stochastic Processes*. New York: John Wiley, 1983.
- [791] ROSS, SHELDON M. *Introduction to Probability Models*. 5th ed. New York: John Wiley, 1993.
- [792] ROSS, STEPHEN A. "The Arbitrage Theory of Capital Asset Pricing." *Journal of Financial Economics*, Vol. 13 (1976), 341–360.
- [793] ROSS, STEPHEN A. "Finance." In [318, pp. 1–34].
- [794] ROSS, STEPHEN A., RANDOLPH W. WESTERFIELD, AND JEFFREY F. JAFFE. *Corporate Finance*. Burr Ridge, Illinois: Richard D. Irwin, 1993.
- [795] RUBINSTEIN, MARK. "Guiding Force." In [771, Chapter 4].
- [796] RUBINSTEIN, MARK. "One for Another." In [771, Chapter 29].
- [797] RUBINSTEIN, MARK. "Implied Binomial Trees." *The Journal of Finance*, 49, No. 3 (July 1994), 771–818.
- [798] RUBINSTEIN, MARK. "Edgeworth Binomial Trees." *The Journal of Derivatives*, 5, No. 3 (Spring 1998), 20–27.
- [799] RUBINSTEIN, MARK, AND HAYNE E. LELAND. "Replicating Options with Positions in Stock and Cash." *Financial Analysts Journal*, Vol. 37 (July–August 1981), 63–72.
- [800] RUBINSTEIN, REUVEN Y. *Simulation and the Monte Carlo Method*. New York: John Wiley, 1981.
- [801] RÜMELIN, W. "Numerical Treatment of Stochastic Differential Equations." *SIAM Journal on Numerical Analysis*, 19, No. 3 (June 1982), 604–613.
- [802] RUMSEY, JOHN. "Pricing Cross-Currency Options." *The Journal of Futures Markets*, 11, No. 1 (February 1991), 89–93.
- [803] RUSSELL, BERTRAND. *Introduction to Mathematical Philosophy*. London: George Allen & Unwin, 1919.
- [804] RUSSELL, BERTRAND. "Reply to Criticisms." In *The Philosophy of Bertrand Russell*. 5th ed. Edited by Paul Arthur Schilpp. LaSalle, Illinois: Open Court, 1989.
- [805] SAATY, T.L. *Modern Nonlinear Equations*. New York: Dover, 1981.
- [806] SACK, BRIAN. "Deriving Inflation Expectations from Nominal and Inflation-Indexed Treasury Yields." *The Journal of Fixed Income*, 10, No. 2 (September 2000), 6–17.
- [807] SAMUELSON, PAUL A. *Economics*. 11th ed. New York: McGraw-Hill, 1980.
- [808] SANDMANN, KLAUS. "The Pricing of Options with an Uncertain Interest Rate: a Discrete-Time Approach." *Mathematical Finance*, 3, No. 2 (April 1993), 201–216.
- [809] SANDMANN, KLAUS, AND DIETER SONDERMANN. "A Term Structure Model and the Pricing of Interest Rate Derivatives." *The Review of Futures Studies*, 12, No. 2 (1993), 391–423.

- [810] SANDMANN, KLAUS, AND DIETER SONDERMANN. "A Note on the Stability of Lognormal Interest Rate Models and the Pricing of Eurodollar Futures." *Mathematical Finance*, 7, No. 2 (April 1994), 119–125.
- [811] SANDMANN, KLAUS, AND DIETER SONDERMANN. "Log-normal Interest Rate Models: Stability and Methodology." Manuscript, January 10, 1997.
- [812] SAVAGE, LEONARD J. *The Foundations of Statistics*. 2nd revised ed. First published in 1954. New York: Dover, 1972.
- [813] SCHRODER, MARK. "Change of Numeraire for Pricing Futures, Forwards, and Options." *The Review of Financial Studies*, 12, No. 5 (Winter 1999), 1143–1163.
- [814] SCHROEDER, M. *Fractals, Chaos, Power Laws: Minutes from an Infinite Paradise*. New York: Freeman, 1991.
- [815] SCHUMPETER, JOSEPH ALOIS. *The Theory of Economic Development: an Inquiry into Profits, Capital, Credit, Interest, and the Business Cycle*. First published in 1911. Translated by R. Opie. Cambridge, Massachusetts: Harvard University Press, 1934.
- [816] SCHUMPETER, JOSEPH ALOIS. *History of Economic Analysis*. New York: Oxford University Press, 1954.
- [817] SCHUMPETER, JOSEPH ALOIS. *Capitalism, Socialism and Democracy*. 3rd ed. First published in 1942. New York: Harper & Row, 1962.
- [818] SCHUMPETER, JOSEPH ALOIS. *Essays on Entrepreneurs, Innovations, Business Cycles, and the Evolution of Capitalism*. Edited by K.V. Clemence. New Brunswick, New Jersey: Transaction Publishers, 1989.
- [819] SCHWARTZ, EDUARDO S., AND WALTER N. TOROUS. "Prepayment and the Valuation of Mortgage-Backed Securities." *The Journal of Finance*, 44, No. 2 (June 1989), 375–392.
- [820] SCHWARTZ, EDUARDO S., AND WALTER N. TOROUS. "Prepayment, Default, and the Valuation of Mortgage Pass-Through Securities." *Journal of Business*, 65, No. 2 (April 1992), 221–239.
- [821] SCOTT, LOUIS O. "Option Pricing When the Variance Changes Randomly: Theory, Estimation, and an Application." *Journal of Financial and Quantitative Analysis*, 22, No. 4 (December 1987), 419–438.
- [822] SEDGEWICK, R. *Algorithms*. 2nd ed. Reading, Massachusetts: Addison-Wesley, 1988.
- [823] SEEMAN, B.S. "An Introduction to Index Amortizing Swaps (IASs)." *The Journal of Fixed Income*, 4, No. 2 (September 1994), 6–16.
- [824] SELBY, MICHAEL J.P., AND CHRIS STRICKLAND. "Computing the Fong and Vasicek Pure Discount Bond Price Formula." *The Journal of Fixed Income*, 5, No. 2 (September 1995), 78–84.
- [825] SENFT, DEXTER. "Parallel Processing on Wall Street." In *Proc. Commercial Applications of Parallel Processing Systems Conference*, October 1993.
- [826] SHARPE, WILLIAM F. "A Simplified Model for Portfolio Analysis." *Management Science*, January 1963, pp. 277–293.
- [827] SHARPE, WILLIAM F. "Capital Asset Prices: a Theory of Market Equilibrium under Conditions of Risk." *The Journal of Finance*, 19, No. 3 (September 1964), 425–442.
- [828] SHARPE, WILLIAM F. *Investments*. 3rd ed. Englewood Cliffs, New Jersey: Prentice-Hall, 1985.
- [829] SHARPE, WILLIAM F. "The Sharpe Ratio." *The Journal of Portfolio Management*, 21, No. 1 (Fall 1994), 49–58.
- [830] SHARPE, WILLIAM F., GORDON J. ALEXANDER, AND JEFFERY V. BAILEY. *Investments*. 5th ed. Englewood Cliffs, New Jersey: Prentice-Hall, 1995.
- [831] SHEA, GARY S. "Pitfalls in Smoothing Interest Rate Term Structure Data: Equilibrium Models and Spline Approximations." *Journal of Financial and Quantitative Analysis*, 19, No. 3 (September 1984), 253–269.
- [832] SHEA, GARY S. "Interest Rate Term Structure Estimation with Exponential Splines: a Note." *The Journal of Finance*, 40, No. 1 (March 1985), 319–325.
- [833] SILVEY, S.D. *Statistical Inference*. London: Chapman & Hall, 1988.
- [834] SINGH, MANOJ K. "Estimation of Multifactor Cox, Ingersoll, and Ross Term Structure Model: Evidence on Volatility Structure and Parameter Stability." *The Journal of Fixed Income*, 5, No. 2 (September 1995), 8–28.
- [835] SINGH, MANOJ K. "Value at Risk Using Principal Components Analysis." *The Journal of Portfolio Management*, 24, No. 1 (Fall 1997), 101–112.
- [836] SKIDELSKY, ROBERT. *John Maynard Keynes: Hope Betrayed, 1883–1920*. New York: Elisabeth Sifton, 1983.
- [837] SKIDELSKY, ROBERT. *John Maynard Keynes: the Economist as Savior, 1920–1937*. New York: Penguin, 1992.
- [838] SKIDELSKY, ROBERT. *John Maynard Keynes: Fighting for Britain, 1937–1946*. London: Macmillan, 2000.
- [839] SMITH, ADAM. *Adam Smith's Moral and Political Philosophy*. Edited by H.W. Schneider. New York: Harper & Row, 1970.
- [840] SMITH, CLIFFORD W., JR. "Corporate Risk Management: Theory and Practice." *The Journal of Derivatives*, 2, No. 4 (Summer 1995), 21–30.
- [841] SMITH, G.D. *Numerical Solution of Partial Differential Equations: Finite Difference Methods*. 3rd ed. Oxford: Oxford University Press, 1985.
- [842] SMITHSON, CHARLES. "Wonderful Life." In [771, Chapter 2].
- [843] SMITHSON, CHARLES. "Path Dependency." *Risk*, 10, No. 4 (April 1997), 65–67.
- [844] SMITHSON, CHARLES. "Does Risk Management Work?" *Risk*, 12, No. 7 (July 1999), 44–45.
- [845] SONER, H.M., S.E. SHREVE, AND J. CVITANIĆ. "There Is No Nontrivial Hedging Portfolio for Option Pricing with Transaction Costs." *The Annals of Applied Probability*, 5, No. 2 (May 1995), 327–355.
- [846] SOPHOCLES. *Oedipus Tyrannus*. New York: W.W. Norton, 1970.

- [847] SPARKS, ANDY, AND FRANK FEIKEH SUNG. "Prepayment Convexity and Duration." *The Journal of Fixed Income*, 5, No. 2 (September 1995), 7–11.
- [848] SPIEGEL, M.R. *Theory and Problems of Statistics*. Schaum's Outline Series. New York: McGraw-Hill, 1961.
- [849] SPITZER, FRANK. *Principles of Random Walk*. Princeton: D. Van Nostrand, 1964.
- [850] STANTON, RICHARD. "Rational Prepayment and the Valuation of Mortgage-Backed Securities." *The Review of Financial Studies*, 8, No. 3 (1995), 677–708.
- [851] STANTON, RICHARD. "A Nonparametric Model of Term Structure Dynamics and the Market Price of Interest Rate Risk." *The Journal of Finance*, 52, No. 5 (December 1997), 1973–2002.
- [852] STANTON, RICHARD, AND NANCY WALLACE. "Anatomy of an ARM: the Interest-Rate Risk of Adjustable-Rate Mortgages." *Journal of Real Estate Finance and Economics*, 19, No. 1 (1999), 49–67.
- [853] STARK, A. "What's the Matter with Business Ethics?" *Harvard Business Review*, 71, No. 3 (May–June 1993), 38–48.
- [854] STAVIS, R.M., AND V.J. HAGHANI. "Puttable Swaps: Tools for Managing Callable Assets." In [332, Chapter 20].
- [855] STEELE, J. MICHAEL, AND ROBERT A. STINE. "Mathematica and Diffusions." In [890, Chapter 9].
- [856] STEIN, ELIAS M., AND JEREMY C. STEIN. "Stock Price Distributions with Stochastic Volatility: an Analytic Approach." *The Review of Financial Studies*, 4, No. 4 (1991), 727–752.
- [857] STEINER, MANFRED, MARTIN WELLMEIER, AND REINHOLD HAFNER. "Pricing Near the Barrier: the Case of Discrete Knock-Out Options." *The Journal of Computational Finance*, 3, No. 1 (Fall 1999), 69–90.
- [858] STEWART, G.W. "On the Early History of the Singular Value Decomposition." *SIAM Review*, 35, No. 4 (December 1993), 551–566.
- [859] STIGLER, GEORGE J. *Essays in the History of Economics*. First published in 1965. Midway Reprint. Chicago: The University of Chicago Press, 1987.
- [860] STIGUM, MARCIA. *Money Market Calculations: Yields, Break-Even, and Arbitrage*. Homewood, Illinois: Richard D. Irwin, 1981.
- [861] STIGUM, MARCIA. *The Money Market*. Newly revised. Homewood, Illinois: Richard D. Irwin, 1983.
- [862] STONE, CHARLES AUSTIN, AND ANNE ZISSU. "The Risks of Mortgage Backed Securities and Their Derivatives." *Journal of Applied Corporate Finance*, 7, No. 3 (Fall 1994), 99–111.
- [863] STRANG, GILBERT. *Linear Algebra and Its Applications*. 2nd ed. New York: Academic Press, 1980.
- [864] STRAVINSKY, IGOR. *Poetics of Music, in the Form of Six Lessons*. Cambridge, Massachusetts: Harvard University Press, 1970.
- [865] STREETER, LYNN A., ROBERT E. KRAUT, HENRY C. LUCAS, JR., AND LAURENCE CABY. "How Open Data Networks Influence Business Performance and Market Structure." *Communications of the ACM*, 39, No. 7 (July 1996), 62–73.
- [866] STROUSTRUP, BJARNE. *The C++ Programming Language*. 2nd ed. Reading, Massachusetts: Addison-Wesley, 1991.
- [867] STULZ, RENÉ. "Options on the Minimum or the Maximum of Two Risky Assets." *Journal of Financial Economics*, 10, No. 2 (July 1982), 161–185.
- [868] SULLIVAN, MICHAEL A. "Valuing American Put Options Using Gaussian Quadrature." *The Review of Financial Studies*, 13, No. 1 (Spring 2000), 75–95.
- [869] SUN, TONG-SHENG. "Real and Nominal Interest Rates: a Discrete-Time Model and Its Continuous-Time Limit." *The Review of Financial Studies*, 5, No. 4 (1992), 581–611.
- [870] SUNDARAM, RANGARAJAN K. "Equivalent Martingale Measures and Risk-Neutral Pricing: an Expository Note." *The Journal of Derivatives*, 5, No. 1 (Fall 1997), 85–98.
- [871] SUNDARESAN, SURESH M. *Fixed Income Markets and Their Derivatives*. Cincinnati, Ohio: South-Western College Publishing, 1997.
- [872] TAKÁCS, LAJOS. *Combinatorial Methods in the Theory of Stochastic Processes*. New York: John Wiley, 1967.
- [873] TAYLOR, STEPHEN. *Modelling Financial Time Series*. New York: John Wiley, 1986.
- [874] TAYLOR, STEPHEN J. "Modeling Stochastic Volatility: a Review and Comparative Study." *Mathematical Finance*, 4, No. 2 (April 1994), 183–204.
- [875] TIAN, YISONG. "Pricing Complex Barrier Options under General Diffusion Processes." *The Journal of Derivatives*, 7, No. 2 (Winter 1999), 11–30.
- [876] TILLEY, JAMES A. "Valuing American Options in a Path Simulation Model." *Transactions of the Society of Actuaries*, Vol. 45, 1992, pp. 83–104.
- [877] TOBIN, JAMES. "Financial Intermediaries." In [318, pp. 35–56].
- [878] TOMPKINS, ROBERT. "Behind the Mirror." In [771, Chapter 19].
- [879] TOMPKINS, ROBERT G. "Power Options: Hedging Nonlinear Risks." *The Journal of Risk*, 2, No. 2 (Winter 1999/2000), 29–45.
- [880] TOULMIN, STEPHEN. *The Philosophy of Science: an Introduction*. New York: Harper & Row, 1953.
- [881] TRIVEDI, KISHOR S. *Probability and Statistics with Reliability, Queueing, and Computer Science Applications*. Englewood Cliffs, New Jersey: Prentice-Hall, 1982.
- [882] TSIVERIOTIS, KOSTAS, AND CHRIS FERNANDES. "Valuing Convertible Bonds with Credit Risk." *The Journal of Fixed Income*, 8, No. 2 (September 1998), 95–102.
- [883] TUCKMAN, BRUCE. *Fixed Income Securities: Tools for Today's Markets*. New York: John Wiley, 1995.
- [884] TURNBULL, STUART M. "Swaps: a Zero Sum Game?" *Financial Management*, Spring 1987, pp. 15–21.

- [885] TURNBULL, STUART M., AND FRANK MILNE. "A Simple Approach to Interest-Rate Option Pricing." *The Review of Financial Studies*, 4, No. 1 (1991), 87–120.
- [886] TURNBULL, STUART M., AND LEE MACDONALD WAKEMAN. "A Quick Algorithm for Pricing European Average Options." *Financial and Quantitative Analysis*, 26, No. 3 (September 1991), 377–389.
- [887] TYSON, NEIL DE GRASSE. "The Beginning of Science." *Natural History*, 110, No. 1 (February 2001), 80–83.
- [888] U.S. DEPARTMENT OF COMMERCE. *The Emerging Digital Economy*. 1998.
- [889] VARIAN, HAL R. "The Arbitrage Principle in Financial Economics." *The Journal of Economic Perspectives*, 1, No. 2 (Fall 1987), 55–72.
- [890] VARIAN, HAL R. (Ed.) *Economic and Financial Modeling with Mathematica*. Berlin: Springer-Verlag, 1993.
- [891] VASICEK, OLDRICH. "An Equilibrium Characterization of the Term Structure." *Journal of Financial Economics*, Vol. 5 (1977), 177–188.
- [892] VASICEK, OLDRICH A., AND H. GIFFORD FONG. "Term Structure Modeling Using Exponential Splines." *The Journal of Finance*, 37, No. 2 (May 1982), 339–348.
- [893] VENKATARAMAN, SUBU. "Value at Risk for a Mixture of Normal Distributions: the Use of Quasi-Bayesian Estimation Techniques." *Economic Perspectives*, 21, Issue 2 (March/April 1997), 2–13.
- [894] VETZAL, KENNETH R. "A Survey of Stochastic Continuous Time Models of the Term Structure of Interest Rates." *Insurance: Mathematics and Economics*, Vol. 14 (1994), 139–161.
- [895] VETZAL, KENNETH R. "An Improved Finite Difference Approach to Fitting the Initial Term Structure." *The Journal of Fixed Income*, 7, No. 4 (March 1998), 62–81.
- [896] VINER, JACOB. *Essays on the Intellectual History of Economics*. Edited by Douglas A. Irwin. Princeton: Princeton University Press, 1991.
- [897] VVEDENSKY, DIMITRI. *Partial Differential Equations with Mathematica*. Reading, Massachusetts: Addison-Wesley, 1993.
- [898] WAGNER, W.H. "Ten Myths and Twenty Years of Betas." *The Journal of Portfolio Management*, 21, No. 1 (Fall 1994), 79–82.
- [899] WAHBA, GRACE. *Spline Methods for Observational Data*. Philadelphia: SIAM, 1990.
- [900] WALDMAN, M., A. SCHWALB, AND A.K. FEIGENBERG. "Prepayments of Fifteen-Year Mortgages." *The Journal of Fixed Income*, March 1993, pp. 37–44.
- [901] WALL STREET JOURNAL. *The Wall Street Journal Almanac 1998*. New York: Ballantine Books, 1997.
- [902] WALLMAN, STEVEN M.H. "Technology Takes to Securities Trading." *IEEE Spectrum*, February 1997, pp. 60–65.
- [903] WANG, CHEN-LEH. *An Object-Oriented Framework Based on Three-Tier Client/Server Architecture for Financial Computation*. Master's Thesis. Department of Computer Science and Information Engineering, National Taiwan University, Taiwan, 1996.
- [904] WANG, HUANG-WEN. *A Comparative Study of Numerical Algorithms for Interest Rate Models*. Master's Thesis. Department of Computer Science and Information Engineering, National Taiwan University, Taiwan, 1997.
- [905] WARSH, DAVID. "Convergence? Not Exactly." *The Boston Globe*, September 29, 1998.
- [906] WATKINS, DAVID S. *Fundamentals of Matrix Computations*. New York: John Wiley, 1991.
- [907] WATSON, RICHARD T. *Data Management: Databases and Organizations*. 2nd ed. New York: John Wiley, 1999.
- [908] WATSON, THOMAS J., JR., AND PETER PETRE. *Father, Son & Co.: My Life at IBM and Beyond*. New York: Bentam, 1990.
- [909] WEI, JASON Z. "Valuing Differential Swaps." *The Journal of Derivatives*, Spring 1994, pp. 64–76.
- [910] WEI, JASON Z. "Valuation of Discrete Barrier Options by Interpolations." *The Journal of Derivatives*, Fall 1998, pp. 51–73.
- [911] WEINTRAUB, KEITH, AND MICHAEL HOGAN. "The Lognormal Interest Rate Model and Eurodollar Futures." Global Research, Citicorp Securities, May 1998.
- [912] WELLS, H.G. *The Time Machine*. First published in 1895. New York: Bantam, 1991.
- [913] WHITEHEAD, ALFRED NORTH. *Science and the Modern World*. First published in 1925. New York: The Free Press, 1967.
- [914] WILLARD, GREGORY A. "Calculating Prices and Sensitivities for Path-Independent Derivative Securities in Multifactor Models." *The Journal of Derivatives*, 5, No. 1 (Fall 1997), 45–61.
- [915] WILLIAMS, DAVID. *Probability with Martingales*. Cambridge: Cambridge University Press, 1994.
- [916] WILMOTT, PAUL. *Derivatives: the Theory and Practice of Financial Engineering*. New York: John Wiley, 1998.
- [917] WILMOTT, PAUL, SAM HOWISON, AND JEFF DEWYNNE. *The Mathematics of Financial Derivatives: a Student Introduction*. Cambridge: Cambridge University Press, 1996.
- [918] WILSON, EDWARD O. *Consilience: the Unity of Knowledge*. New York: Vintage Books, 1999.
- [919] WINDAS, T. *An Introduction to Option-Adjusted Spread Analysis*. New York: Bloomberg Magazine Publication, 1993.
- [920] WOLD, HERMAN. *A Study in the Analysis of Stationary Time Series*. 2nd ed. Uppsala, Sweden: Almqvist & Wiksell, 1954.
- [921] WOLFRAM, STEPHEN. *Mathematica*. 2nd ed. Reading, Massachusetts: Addison-Wesley, 1994.
- [922] WONG, SAMUEL S.M. *Computational Methods in Physics and Engineering*. Englewood Cliffs, New Jersey: Prentice-Hall, 1992.
- [923] WOOLLEY, SCOTT. "Night Baseball without Lights." *Forbes*, August 11, 1997, pp. 42–43.

- [924] WU, CHAO-SHENG. *Numerical Methods for Model Calibration under Credit Risk*. Master's Thesis. Department of Computer Science and Information Engineering, National Taiwan University, Taiwan, 1999.
- [925] XU, XINZHONG, AND STEPHEN J. TAYLOR. "The Term Structure of Volatility Implied by Foreign Exchange Options." *Journal of Financial and Quantitative Analysis*, 29, No. 1 (March 1994), 57–74.
- [926] YAMAMOTO, Y., AND STAVROS A. ZENIOS. "Predicting Prepayment Rates for Mortgages Using the Cascade-Correlation Learning Algorithm." *The Journal of Fixed Income*, March 1993, pp. 86–96.
- [927] YARGER, RANDY JAY, GEORGE REESE, AND TIM KING. *MYSQL AND MSQL*. Sebastopol, California: O'Reilly & Associates, 1999.
- [928] YAWITZ, J.B. "Bonds with Embedded Options." In [332, Chapter 15].
- [929] ZARETSKY, MICHAEL. "Generation of a Smooth Forward Curve for U.S. Treasuries." *The Journal of Fixed Income*, 5, No. 2 (September 1995), 65–69.
- [930] ZENIOS, STAVROS A. *Financial Optimization*. Cambridge: Cambridge University Press, 1993.
- [931] ZENIOS, STAVROS A. "Parallel Monte Carlo Simulation of Mortgage-Backed Securities." In [930, Chapter 14].
- [932] ZENIOS, STAVROS A. "A Model for Portfolio Management with Mortgage-Backed Securities." *Annals of Operations Research*, Vol. 43 (1993), 337–356.
- [933] ZHANG, PETER G. *Exotic Options: a Guide to Second Generation Options*. Singapore: World Scientific, 1997.
- [934] ZHU, YU, AND FARSHID JAMSHIDIAN. "Call Adjusted Duration Model and Its Application in Bond Portfolio Management." In [332, Chapter 16].
- [935] ZIMA, P., AND R.L. BROWN. *Theory and Problems of Contemporary Mathematics of Finance*. Schaum's Outline Series. New York: McGraw-Hill, 1984.
- [936] ZIPKINS, PAUL. "Mortgages and Markov Chains: a Simplified Evaluation Model." In [930, Chapter 13].
- [937] ZVAN, ROBERT, KENNETH VETZAL, AND PETER FORSYTH. "Swing Low Swing High." *Risk*, March 1998, pp. 71–75.

*This paper was a great failure,
and I am ashamed of it.*
—Charles Darwin (1809–1882),
Autobiography [262]