

# References

## **Statistics and Monte Carlo**

**Introduction to Statistical Analysis.** W. Dixon and F. Massey, McGraw-Hill, New York 1969.  
Estimating sigma from range. Pp. 136-137; 486.

**Random Number Generation and Quasi Monte Carlo Methods.** H. Niederreiter. SIAM, Philadelphia, 1992.

**Uniform Random Numbers: Theory and Practice.** S. Tezuka. Kluwer Academic, Boston, 1995.

**Density Estimation for Statistics and Data Analysis.** B. Silverman, Chapman & Hall/CRC, Boca Raton, 1998.

**Multivariate Density Estimation.** D. Scott, John Wiley, New York 1992.

**Understanding and Managing Interest Rate Risks.** R. Chen, World Scientific, Singapore 1996.

Simulation and Numerical Analysis of Stochastic Differential Systems: A Review. D. Talay. **INRIA Rapports de Recherche**, N. 1313, Octobre, 1990.

Quasi-Monte Carlo Methods in Numerical Finance. C. Joy, P. Boyle, K. Tan. **Management Science**, 42, No. 6, June 1996.

Toward Real-Time Pricing of Complex Financial Derivatives. S. Ninomiya, S. Tezuka. **Applied Mathematical Finance**, 3, 1996, pp. 1-20.

## **Financial Models**

**Dynamic Asset Pricing Theory.** D. Duffie, Princeton University Press, Princeton 1996.

**Modelling Fixed Income Securities and Interest Rate Options.** R. Jarrow. McGraw-Hill, New York 1996.

**Derivative Securities.** R. Jarrow & S. Turnbull, South-Western College Publishing, Cincinnati, 1996.

## **Financial Models : Interest Rates**

Closed Form Term Structure Derivatives in a Heath-Jarrow-Morton Model with Log-Normal Annually Compounded Interest Rates. K. Sandmann, D. Sondermann, K. Miltersen. August 1994.

A Nonparametric Model of Term Structure Dynamics and the Market Price of Interest Rate Risk. R. Stanton. **Journal of Finance** 52 (1997), 1973-2002.

The Stochastic Behavior of Interest Rates: Implications from a Multifactor, Nonlinear Continuous-Time Model. J. Badoukh, M. Richardson, R. Stanton, R. Whitelaw. Feb. 1998.

Nonparametric Density Estimation and Tests of Continuous Time Interest Rate Models. M. Pritsker.

**The Review of Financial Studies**, Fall 1998. Vol. 11, No. 3, pp 449-487.  
Quasi-Monte Carlo Simulation of Random Walks in Finance. W. Morokoff, R.,Caflisch. Mathematics Department, UCLA, 1997.

Valuation of Mortgage Backed Securities Using Brownian Bridges to Reduce Effective Dimension. W. Morokoff, R.,Caflisch. Mathematics Department, UCLA, 1997.

Accounting for "Pull to Par" and "Roll Down" for Riskmetrics Cashflows. C. Finger. **RiskMetrics Monitor**, Third Quarter 1996, p. 4-11.

### **Financial Models : Credit**

A Markov Model for the Term Structure of Credit Risk Spreads. R. Jarrow, D. Lando, S. Turnbull. **The Review of Financial Studies**, Summer 1997. Vol. 10, No. 2, pp 481-523.

Uses and Abuses of Bond Default Rates. S. Kealhofer S. Kwok, W. Weng. **CreditMetrics Monitor**, J.P. Morgan, First Quarter, 1998, p.45.

**Credit Metrics Technical Document**, April 2, 1997, p. 78-79.

A Direct Approach to Arbitrage-Free Pricing of Credit Derivatives. S. Das, R. Sundaram. November, 1998.

A Jump-Diffusion Approach to Modeling Credit Risk and Valuing Defaultable Securities. C. Zhou, March 1997.

### **Value at Risk (VaR)**

A Unified VaR Approach. Emilio Barone, Istituto Mobiliare Italiano, March 1998.

The Cost of Conservatism: Extreme Returns, Value at Risk, and the Basle Multiplication Factor. J. Danielsson, P. Hartmann, C. de Vries. <http://cep.lse.ac.uk/~jond>.