

REFERENCES

- [1] F. Black and M. Scholes, The pricing of options and corporate liabilities, *J. Political Econ.*, 81(1973), pp.637-654.
- [2] A. Bodea. (2012). *Valuation of swing options in electricity commodity markets* (Doctoral dissertation). Retrieved from <http://archiv.ub.uni-heidelberg.de/volltextserver/13528/>.
- [3] J. Cox, E. Ingersoll and S. Ross, A theory of the term structure of interest rates, *Econometrica*, 53(1985), pp.385-487.
- [4] D. Dufresne, The integrated square-root process, *Research paper*, 90(2001), <https://repository.unimelb.edu.au/10187/1413/>.
- [5] A. Egorov, L. Haitao and X. Yuwu, Maximum likelihood estimation of time-inhomogeneous diffusions, *J. Econometrics*, 114(2003), pp.107-139.
- [6] E. Higham and X. Mao, Convergence of Monte Carlo simulations involving the mean reverting square root process, *J. Comput. Finance*, 8(2005), pp.35-62.
- [7] J. Hull and A. White, Pricing interest-rate derivative securities, *Rev. Financial Stud.*, 3(1990), pp.573-392.
- [8] G. Levy, *Computational Finance Using C and C#*. Elsevier, 2008.
- [9] Y. Maghsoodi, Solution of the extended CIR term structure and bond option valuation, *Math. Finance*, 6(1996), pp.89-109.
- [10] B. Oksendal, *Stochastic Differential Equations: An Introduction with Applications*. Springer, 2003.
- [11] S. Rujivan, A closed-form formula for the conditional moments of the extended CIR process, *J. Comput. Appl. Math.*, 297(2016), pp.75-84.
- [12] S. Rujivan and S. Zhu, A simple closed-form formula for pricing discretely-sampled variance swaps under the Heston model, *ANZIAM J.*, 56(2014), pp.1-27.
- [13] G. Uhlenbeck and L. Ornstein, On the theory of the Brownian motion, *Phys. Rev.*, 36(1930), pp.283-841.
- [14] O. Vasicek, An equilibrium characterization of the term structure, *J. Financial Econ.*, 5(1977), pp.177-188.

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