

# References

- Asmussen, S. (2000). *Ruin probabilities*, volume 2 of *Advanced Series on Statistical Science & Applied Probability*. World Scientific Publishing Co., Inc., River Edge, NJ.
- Azencott, R. and al. (1981). *Géodésiques et Diffusions en temps petit*. Astérisque 84–85.
- Doss, H. (1977). Liens entre équations différentielles stochastiques et ordinaires. *Ann. Inst. H. Poincaré, B*, 13:99–126.
- Fishman, G. S. (1996). *Monte Carlo*. Springer Series in Operations Research. Springer-Verlag, New York. Concepts, algorithms, and applications.
- Friedman, A. (1964). *Partial Differential Equations of Parabolic Type*. Prentice Hall.
- Friedman, A. (1975). *Stochastic Differential Equations and Applications, I and II*. Academic Press, New York.
- Gallardo, L. (1981). Au sujet du contenu probabiliste d'un lemme d'Henri Poincaré. *Ann. Sci. Univ. Clermont-Ferrand II Math.*, (19):185–190. Saint-Flour Probability Summer Schools (Saint-Flour, 1979/1980).
- Gilbarg, D. and Trudinger, N. S. (2001). *Elliptic partial differential equations of second order*. Classics in Mathematics. Springer-Verlag, Berlin. Reprint of the 1998 edition.
- Glasserman, P. (2004). *Monte Carlo methods in financial engineering*, volume 53 of *Applications of Mathematics (New York)*. Springer-Verlag, New York. Stochastic Modelling and Applied Probability.
- Graham, C. and Talay, D. (2013). *Stochastic simulation and Monte Carlo methods*, volume 68 of *Stochastic Modelling and Applied Probability*. Springer, Heidelberg. Mathematical foundations of stochastic simulation.
- Han, Q. and Lin, F. (1997). *Elliptic partial differential equations*, volume 1 of *Courant Lecture Notes in Mathematics*. New York University, Courant Institute of Mathematical Sciences, New York; American Mathematical Society, Providence, RI.
- Ikeda, N. and Watanabe, S. (1981). *Stochastic Differential Equations and Diffusion Processes*. North Holland.
- Karatzas, I. and Shreve, S. (1991). *Brownian Motion and Stochastic Calculus*, 2<sup>nd</sup> edition. Springer, Berlin, Heidelberg, New York.
- Kloeden, P. E. and Platen, E. (1992). *Numerical solution of stochastic differential equations*, volume 23 of *Applications of Mathematics (New York)*. Springer-Verlag, Berlin.
- Levi, E. E. (1907). Sulle equazioni lineari totalmente ellittiche alle derivate parziali. *Rend. Circolo. Mat. Palermo*, 24:275–317.
- Maruyama, G. (1955). Continuous Markov processes and stochastic equations. *Rend. Circ. Mat. Palermo* (2), 4:48–90.
- Musiela, M. and Rutkowski, M. (2005). *Martingale methods in financial modelling*, volume 36 of *Stochastic Modelling and Applied Probability*. Springer-Verlag, Berlin, second edition.

- Neveu, J. (1964). *Bases Mathématiques du Calcul des Probabilités*. Masson et Cie.
- Priouret, P. (1974). Diffusions et équations différentielles stochastiques. In *Ecole d'été de Probabilités de St. Flour III-1973*, Lect. Notes Math. 390. Springer.
- Revuz, D. and Yor, M. (1999). *Continuous martingales and Brownian motion*, volume 293 of *Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Sciences]*. Springer-Verlag, Berlin, third edition.
- Rogers, L. C. G. and Williams, D. (2000). *Diffusions, Markov processes, and martingales*. Vol. 2. Cambridge Mathematical Library. Cambridge University Press, Cambridge. Itô calculus, Reprint of the second (1994) edition.
- Stroock, D. and Varadhan, S. (1979). *Multidimensional Diffusion Processes*. Grundlehren der Mathematischen Wissenschaften 233. Springer, Berlin, Heidelberg, New York.
- Sussmann, H. (1978). On the gap between deterministic and stochastic differential equations. *Ann. Probab.*, 6:19–41.
- Talay, D. and Tubaro, L. (1990). Expansion of the global error for numerical schemes solving stochastic differential equations. *Stochastic Anal. Appl.*, 8(4):483–509 (1990).