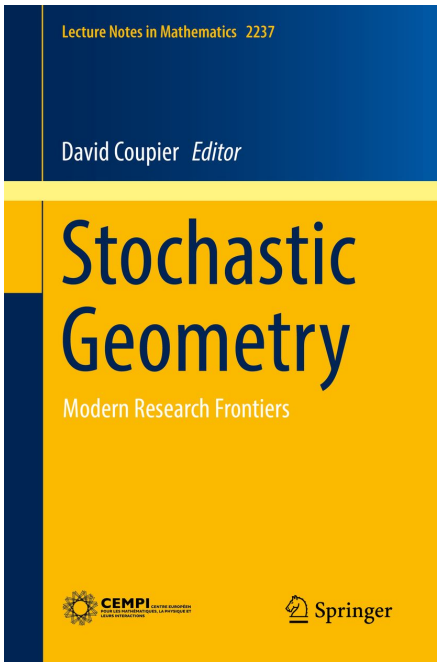

Springer

1st edition

1st ed. 2019, XIII, 232 p. 71 illus., 27 illus. in color.

Printed book
Softcover

Printed book
Softcover
ISBN 978-3-030-13546-1
~~£ 39,99 | CHF 53,50 | 44,99 € | 49,49 € (A) | 48,14 € (D)~~

Available

Sale price valid through July 31, 2020

£ 28,99 | CHF 39,00 | 32,99 € | 36,29 € (A) | 35,30 € (D)

Discount group
Standard (0)

Product category
Contributed volume

Series
Lecture Notes in Mathematics

Mathematics : Probability Theory and Stochastic Processes

Coupier, David (Ed.), Université Polytechnique des Hauts de France (UPHF), Valenciennes, France

Stochastic Geometry

Modern Research Frontiers

- **Contains a historically motivated introduction to Stochastic Geometry**
- **Gives a unique and accessible overview, up to the frontiers of recent research, of the most active fields in Stochastic Geometry**
- **Numerous figures illustrate the chapters**

This volume offers a unique and accessible overview of the most active fields in Stochastic Geometry, up to the frontiers of recent research. Since 2014, the yearly meeting of the French research structure GDR GeoSto has been preceded by two introductory courses. This book contains five of these introductory lectures. The first chapter is a historically motivated introduction to Stochastic Geometry which relates four classical problems (the Buffon needle problem, the Bertrand paradox, the Sylvester four-point problem and the bicycle wheel problem) to current topics. The remaining chapters give an application motivated introduction to contemporary Stochastic Geometry, each one devoted to a particular branch of the subject: understanding spatial point patterns through intensity and conditional intensities; stochastic methods for image analysis; random fields and scale invariance; and the theory of Gibbs point processes. Exposing readers to a rich theory, this book will encourage further exploration of the subject and its wide applications.

Order online at springer.com/booksellers

Springer Nature Customer Service Center GmbH
Customer Service
Tiergartenstrasse 15-17
69121 Heidelberg
Germany
T: +49 (0)6221 345-4301
row-booksellers@springernature.com

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add $5.00 for shipping one book and $ 1.00 for each additional book. Outside the US and Canada add $ 10.00 for first book, $5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

ISBN 978-3-030-13546-1 / BIC: PBT / SPRINGER NATURE: SCM27004