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Descrizione fisica	1 online resource (vii, 120 pages) : digital, PDF file(s)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Probability and measure -- Measures and distribution functions -- Measurable functions/random variables -- Integration and expectation -- L_p -spaces and conditional expectation -- Discrete-time martingales -- Brownian motion -- Stochastic integrals.
Sommario/riassunto	From Measures to Ito Integrals gives a clear account of measure theory, leading via L_2 -theory to Brownian motion, Ito integrals and a brief look at martingale calculus. Modern probability theory and the applications of stochastic processes rely heavily on an understanding of basic measure theory. This text is ideal preparation for graduate-level courses in mathematical finance and perfect for any reader seeking a basic understanding of the mathematics underpinning the various applications of Ito calculus.