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Titolo	Financial Mathematics : Lectures given at the 3rd Session of the Centro Internazionale Matematico Estivo (C.I.M.E.) held in Bressanone, Italy, July 8-13, 1996 // by Bruno Biais, Thomas Björk, Jakša Cvitanic, Nicole El Karoui, Elyes Jouini, J.C. Rochet ; edited by Wolfgang J. Runggaldier
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Descrizione fisica	1 online resource (VII, 316 p.)
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Disciplina	650.01513
Soggetti	Probabilities Finance, Public Business mathematics Social sciences - Mathematics Differential equations Functional analysis Probability Theory Public Economics Business Mathematics Mathematics in Business, Economics and Finance Differential Equations Functional Analysis
Lingua di pubblicazione	Inglese
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Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Risk sharing, adverse selection and market structure -- Interest rate theory -- Optimal trading under constraints -- Non-linear pricing theory and backward stochastic differential equations -- Market imperfections, equilibrium and arbitrage.
Sommario/riassunto	Financial Mathematics is an exciting, emerging field of application. The five sets of course notes in this book provide a bird's eye view of the current "state of the art" and directions of research. For graduate students it will therefore serve as an introduction to the field while

researchers will find it a compact source of reference. The reader is expected to have a good knowledge of the basic mathematical tools corresponding to an introductory graduate level, and sufficient familiarity with probabilistic methods, in particular stochastic analysis. B. Biais, J.C. Rochet: Risk-sharing, adverse selection and market structure.- T. Björk: Interest-rate theory.- J. Cvitanic: Optimal trading under constraints.- N. El Karoui, M.C. Quenez: Nonlinear pricing theory and backward stochastic differential equations.- E. Jouini: Market imperfections, equilibrium and arbitrage.

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