Record Nr. UNINA9910877138103321 Autore Janssen Jacques <1939-> Titolo Mathematical fianance: deterministic and stochastic models // Jacques Janssen, Raimondo Manca, Ernesto Volpe di Prignano Pubbl/distr/stampa London, : ISTE Hoboken, N.J., : John Wiley, 2009 **ISBN** 1-118-62241-3 1-282-16539-9 9786612165399 0-470-61169-3 0-470-39432-3 1 online resource (874 p.) Descrizione fisica Collana ISTE;; v.83 Altri autori (Persone) MancaRaimondo Volpe di PrignanoErnesto Disciplina 332.01/51922 Soggetti Finance - Mathematical models Stochastic processes Investments - Mathematics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Mathematical Finance: Deterministic and Stochastic Models: Table of Contents; Preface; Part I. Deterministic Models; Chapter 1. Introductory Elements to Financial Mathematics; 1.1. The object of traditional financial mathematics; 1.2. Financial supplies. Preference and indifference relations; 1.2.1. The subjective aspect of preferences; 1.2.2. Objective aspects of financial laws. The equivalence principle; 1.3. The dimensional viewpoint of financial quantities; Chapter 2. Theory of Financial Laws; 2.1. Indifference relations and exchange laws for simple financial operations 2.2. Two variable laws and exchange factors 2.3. Derived quantities in the accumulation and discount laws; 2.3.1. Accumulation; 2.3.2. Discounting; 2.4. Decomposable financial lawas; 2.4.1. Weak and strong decomposability properties: equivalence relations; 2.4.2. Equivalence classes: characteristic properties of decomposable laws;

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Sommario/riassunto

This book provides a detailed study of Financial Mathematics. In addition to the extraordinary depth the book provides, it offers a study of the axiomatic approach that is ideally suited for analyzing financial problems. This book is addressed to MBA's, Financial Engineers, Applied Mathematicians, Banks, Insurance Companies, and Students of Business School, of Economics, of Applied Mathematics, of Financial Engineering, Banks, and more.