1. Record Nr.   UNINA9910132199803321

   Autore   Bossu Sebastien

   Titolo   Advanced equity derivatives [[electronic resource]] : volatility and correlation / / Sebastien Bossu

   Pubbl/distr/stampa Hoboken, New Jersey : , : John Wiley & Sons, , 2014
                     ©2014

   ISBN   1-118-77471-X
                     1-118-83536-0
                     1-118-77484-1

   Edizione   [1st edition]

   Descrizione fisica 1 online resource (172 p.)

   Collana   Wiley Finance Series

   Classificazione   BUS027000

   Disciplina   332.64/57

   Soggetti   Derivative securities
                     Actius financers derivats
                     Llibres electrònics

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Description based upon print version of record.

   Nota di bibliografia   Includes bibliographical references and index.

   Nota di contenuto Cover; Title Page; Copyright; Contents; Foreword; Preface; Acknowledgments; Chapter 1 Exotic Derivatives; 1-1 Single-Asset Exotics; 1-1.1 Digital Options; 1-1.2 Asian Options; 1-1.3 Barrier Options; 1-1.4 Lookback Options; 1-1.5 Forward Start Options; 1-1.6 Cliquet Options; 1-2 Multi-Asset Exotics; 1-2.1 Spread Options; 1-2.2 Basket Options; 1-2.3 Worst-Of and Best-Of Options; 1-2.4 Quanto Options; 1-3 Structured Products; References; Problems; 1.1 "Free" Option; 1.2 Autocallable; 1.3 Geometric Asian Option; 1.4 Change of Measure; 1.5 At-the-Money Lookback Options; 1.6 Siegel's Paradox Appendix 1.A: Change of Measure and Girsanov's TheoremChapter 2 The Implied Volatility Surface; 2-1 The Implied Volatility Smile and Its Consequences; 2-1.1 Consequence for the Pricing of Call and Put Spreads; 2-1.2 Consequence for Hedge Ratios; 2-1.3 Consequence for the Pricing of Exotics; 2-2 Interpolation and Extrapolation; 2-3 Implied Volatility Surface Properties; 2-4 Implied Volatility Surface Models; 2-4.1 A Parametric Model of Implied Volatility: The SVI Model; 2-4.2 Indirect Models of Implied Volatility; References; Problems; 2.1 No Call or Put Spread Arbitrage Condition

| Sommario/riassunto | "In Advanced Equity Derivatives: Volatility and Correlation, Sebastien Bossu reviews and explains the advanced concepts used for pricing and hedging equity exotic derivatives. Designed for financial modelers, option traders and sophisticated investors, the content covers the most important theoretical and practical extensions of the Black-Scholes model. Each chapter includes numerous illustrations and a short selection of problems, covering key topics such as implied volatility surface models, pricing with implied distributions, local volatility models, volatility derivatives, correlation measures, correlation trading, local correlation models and stochastic correlation. Volatility and correlation are remarkably connected through the author's proxy formula which he discovered in 2004, and shares in the book. He also reveals a new derivation using linear algebra (included in Chapter 6), and the proxy formula is then exploited in the following chapters for correlation trading and correlation modeling. The author has a dual professional and academic background, making Advanced Equity Derivatives: Volatility and Correlation the perfect reference for quantitative researchers and mathematically savvy finance professionals looking to acquire an in-depth understanding of equity exotic derivatives pricing and hedging"-- |