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1.2.2 Pseudo-Arbitrageurs in Crisis
1.2.3 Model Risk for Traders and Risk Managers1.2.4 The Parable of the Two Volatility Traders; 1.3 Market Practice; 1.3.1 Different Users of Derivatives Models; 1.3.2 In-Model and Out-of-Model Hedging; 1.4 The Calibration Debate; 1.4.1 Historical vs Implied Calibration; 1.4.2 The Logical Underpinning of the Implied Approach; 1.4.3 Are Derivatives Markets Informationally Efficient?; 1.4.4 Back to Calibration; 1.4.5 A Practical Recommendation; 1.5 Across-Markets Comparison of Pricing and Modelling Practices; 1.6 Using Models; 2 Option Replication; 2.1 The Bedrock of Option Pricing
2.2 The Analytic (PDE) Approach2.2.1 The Assumptions; 2.2.2 The Portfolio-Replication Argument (Deterministic Volatility); 2.2.3 The Market Price of Risk with Deterministic Volatility; 2.2.4 Link with Expectations - the Feynman-Kac Theorem; 2.3 Binomial Replication; 2.3.1 First Approach - Replication Strategy; 2.3.2 Second Approach - 'Naive Expectation'; 2.3.3 Third Approach - 'Market Price of Risk'; 2.3.4 A Worked-Out Example; 2.3.5 Fourth Approach - Risk-Neutral Valuation; 2.3.6 Pseudo-Probabilities; 2.3.7 Are the Quantities (1) and (2) Really Probabilities?
2.3.8 Introducing Relative Prices2.3.9 Moving to a Multi-Period Setting; 2.3.10 Fair Prices as Expectations; 2.3.11 Switching Numeraires and Relating Expectations Under Different Measures; 2.3.12 Another Worked-Out Example; 2.3.13 Relevance of the Results; 2.4 Justifying the Two-State Branching Procedure; 2.4.1 How To Recognize a Jump When You See One; 2.5 The Nature of the Transformation between Measures: Girsanov's Theorem; 2.5.1 An Intuitive Argument; 2.5.2 A Worked-Out Example; 2.6 Switching Between the PDE, the Expectation and the Binomial Replication Approaches; 3 The Building Blocks
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3.8.1 Why Is This Option Important? (And Why Is it Difficult to Hedge?)

Sommario/riassunto

In Volatility and Correlation 2nd edition: The Perfect Hedger and the Fox, Rebonato looks at derivatives pricing from the angle of volatility and correlation. With both practical and theoretical applications, this is a thorough update of the highly successful Volatility & Correlation - with over 80% new or fully reworked material and is a must have both for practitioners and for students. The new and updated material includes a critical examination of the 'perfect-replication' approach to derivatives pricing, with special attention given to exotic options; a t