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~~The Xva Of Financial Derivatives~~

~~Through XVA, industry veteran and subject matter expert Dongsheng Lu offers a thread that knits all these practical aspects together with great insightfulness and ...~~

~~The XVA of Financial Derivatives: CVA, DVA and FVA ...
The XVA of Financial Derivatives: CVA, DVA and FVA Explained (Financial Engineering Explained) [Dongsheng Lu] on Amazon.com. *FREE* shipping on qualifying offers. This latest addition to the Financial Engineering Explained series focuses on the new standards for derivatives valuation~~

~~The XVA of Financial Derivatives: CVA, DVA and FVA ...
XVA, or X-Value Adjustment, is a collective term that covers the different types of valuation adjustments relating to derivative contracts.~~

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XVA (X-Value Adjustment) - Overview, Types, Formula
'The XVA of Financial Derivatives is a valuable resource for practitioners, risk managers, and financial engineers.

9781137435835: The XVA of Financial Derivatives: CVA, DVA ...
ffThe XVA of Financial Derivatives: CVA, DVA and FVA Explained
fFinancial Engineering Explained About the series
Financial Engineering Explained is a series of concise, practical guides to modern finance, focusing on key, technical areas of risk management and asset pricing.

The XVA of Financial Derivatives: CVA, DVA and FVA ...
Expand/Collapse Synopsis This latest addition to the Financial Engineering Explained series focuses on the new standards for derivatives valuation, namely, pricing and risk management taking into account counterparty risk, and the XVA's Credit, Funding and Debt value adjustments.

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Credit Valuation Adjustment (CVA) CVA is probably the most widely known and best understood of the XVA. CVA captures the ‘ discount ’ to the standard derivative value that a buyer would offer given the risk of counterparty default.

XVA explained - PwC

An X-Value Adjustment (XVA, xVA) is a collective term referring to a number of different “ valuation adjustments ” that banks must make when assessing the value of derivative contracts that they have entered into.

XVA - Wikipedia

The quantification of xVA is now seen as fundamental to derivatives pricing and valuation. The xVA topic has been complicated and further broadened by accounting standards and regulation.

The xVA Challenge | Wiley Online Books

'The XVA of Financial Derivatives is a valuable resource for practitioners, risk managers, and financial engineers.

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The XVAs are a family of valuation adjustments reflected in the pricing of derivatives trades, to incorporate the costs of hedging, funding, collateral margins and capital into trades, and to take into account incoming regulatory rules such as Basel III leverage and liquidity ratios that also shape pricing decisions.

Looking at the future of derivatives and XVA management ...

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An X-Value Adjustment (XVA, xVA) is a generic term referring collectively to a number of different “ Valuation Adjustments ” in relation to derivative instruments held by banks.

Finance:XVA - HandWiki

This latest addition to the Financial Engineering Explained series focusses on the new standards for derivatives valuation, namely, pricing and risk management taking into account counterparty risk, and the XVA's – Credit, Funding and Debt value adjustments.

The XVA of Financial Derivatives: CVA, DVA and FVA ...

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A thoroughly updated and expanded edition of the xVA challenge
The period since the global financial crisis has seen a major re-appraisal of derivatives valuation, generally expressed in the form of valuation adjustments (‘ xVAs ’). The quantification of xVA is now seen as fundamental to derivatives pricing and valuation. The xVA topic has been complicated and further broadened by accounting standards and regulation. All users of derivatives need to have a good understanding of the implications of xVA. The pricing

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and valuation of the different xVA terms has become a much studied topic and many aspects are in constant debate both in industry and academia.

- Discussing counterparty credit risk in detail, including the many risk mitigants, and how this leads to the different xVA terms
- Explains why banks have undertaken a dramatic reappraisal of the assumptions they make when pricing, valuing and managing derivatives
- Covers what the industry generally means by xVA and how it is used by banks, financial institutions and end-users of derivatives
- Explains all of the underlying regulatory capital (e.g. SA-CCR, SA-CVA) and liquidity requirements (NSFR and LCR) and their impact on xVA
- Underscores why banks have realised the significant impact that funding costs, collateral effects and capital charges have on valuation
- Explains how the evolution of accounting standards to cover CVA, DVA, FVA and potentially other valuation adjustments
 - Explains all of the valuation adjustments – CVA, DVA, FVA, CoIVA, MVA and KVA – in detail and how they fit together
 - Covers quantification of xVA terms by discussing modelling and implementation aspects. Taking into account the nature of the underlying market dynamics and new regulatory environment, this book brings readers up to speed on the latest developments on the topic.

The 2008 financial crisis shook the financial derivatives market to its core, revealing a failure to fully price the cost of doing business then. As a response to this, and to cope with regulatory demands for massively increased capital and other measures with funding cost, the pre-2008 concept of Credit Valuation Adjustment (CVA) has evolved into the far more complex hybrid Cross Valuation Adjustment (XVA). This book presents a clear and concise framework and provides key considerations for the computation of myriad adjustments to the price of financial derivatives, to fully reflect costs. XVA has been of great interest recently due to heavy funding costs (FVA), initial margin (MVA) and capital requirements

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(KVA) required to sustain a derivatives business since 2008, in addition to the traditional concepts of cost from counterparty default or credit deterioration (CVA), and its mirror image — the cost of one own's default (DVA). The book takes a practitioner's perspective on the above concepts, and then provides a framework to implement such adjustments in practice. Models are presented too, taking note of what is computationally feasible in light of portfolios typical of investment banks, and the different instruments associated with these portfolios.

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A detailed, expert-driven guide to today's major financial point of interest *The xVA Challenge: Counterparty Credit Risk, Funding, Collateral, and Capital* is a practical guide from one of the leading and most influential credit practitioners, Jon Gregory. Focusing on practical methods, this informative guide includes discussion around the latest regulatory requirements, market practice, and academic thinking. Beginning with a look at the emergence of counterparty risk during the recent global financial crisis, the discussion delves into the quantification of firm-wide credit exposure and risk mitigation methods, such as netting and collateral. It also discusses thoroughly the xVA terms, notably CVA, DVA, FVA, CoIVA, and KVA and their interactions and overlaps. The discussion of other aspects such as wrong-way risks, hedging, stress testing, and xVA management within a financial institution are covered. The extensive coverage and detailed treatment of what has become an urgent topic makes this book an invaluable reference for any

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practitioner, policy maker, or student. Counterparty credit risk and related aspects such as funding, collateral, and capital have become key issues in recent years, now generally characterized by the term 'xVA'. This book provides practical, in-depth guidance toward all aspects of xVA management. Market practice around counterparty credit risk and credit and debit value adjustment (CVA and DVA) The latest regulatory developments including Basel III capital requirements, central clearing, and mandatory collateral requirements The impact of accounting requirements such as IFRS 13 Recent thinking on the applications of funding, collateral, and capital adjustments (FVA, CoVA and KVA) The sudden realization of extensive counterparty risks has severely compromised the health of global financial markets. It's now a major point of action for all financial institutions, which have realized the growing importance of consistent treatment of collateral, funding, and capital alongside counterparty risk. The xVA Challenge: Counterparty Credit Risk, Funding, Collateral, and Capital provides expert perspective and real-world guidance for today's institutions.

An incisive and essential guide to building a complete system for derivative scripting In Volume 2 of Modern Computational Finance Scripting for Derivatives and xVA, quantitative finance experts and practitioners Drs. Antoine Savine and Jesper Andreasen deliver an indispensable and insightful roadmap to the interrogation, aggregation, and manipulation of cash-flows in a variety of ways. The book demonstrates how to facilitate portfolio-wide risk assessment and regulatory calculations (like xVA). Complete with a professional scripting library written in modern C++, this stand-alone volume walks readers through the construction of a comprehensive risk and valuation tool. This essential book also offers: Effective strategies for improving scripting libraries, from basic examples—like support for dates and vectors—to advanced improvements, including American Monte Carlo techniques

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Exploration of the concepts of fuzzy logic and risk sensitivities, including support for smoothing and condition domains Discussion of the application of scripting to xVA, complete with a full treatment of branching Perfect for quantitative analysts, risk professionals, system developers, derivatives traders, and financial analysts, Modern Computational Finance Scripting for Derivatives and xVA: Volume 2 is also a must-read resource for students and teachers in master ' s and PhD finance programs.

Thorough, accessible coverage of the key issues in XVA XVA – Credit, Funding and Capital Valuation Adjustments provides specialists and non-specialists alike with an up-to-date and comprehensive treatment of Credit, Debit, Funding, Capital and Margin Valuation Adjustment (CVA, DVA, FVA, KVA and MVA), including modelling frameworks as well as broader IT engineering challenges. Written by an industry expert, this book navigates you through the complexities of XVA, discussing in detail the very latest developments in valuation adjustments including the impact of regulatory capital and margin requirements arising from CCPs and bilateral initial margin. The book presents a unified approach to modelling valuation adjustments including credit risk, funding and regulatory effects. The practical implementation of XVA models using Monte Carlo techniques is also central to the book. You'll also find thorough coverage of how XVA sensitivities can be accurately measured, the technological challenges presented by XVA, the use of grid computing on CPU and GPU platforms, the management of data, and how the regulatory framework introduced under Basel III presents massive implications for the finance industry. Explores how XVA models have developed in the aftermath of the credit crisis The only text to focus on the XVA adjustments rather than the broader topic of counterparty risk. Covers regulatory change since the credit crisis including Basel III and the impact regulation has had on the pricing of derivatives. Covers the very latest valuation adjustments, KVA and MVA. The

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author is a regular speaker and trainer at industry events, including WBS training, Marcus Evans, ICBI, Infoline and RISK If you're a quantitative analyst, trader, banking manager, risk manager, finance and audit professional, academic or student looking to expand your knowledge of XVA, this book has you covered.

A thoroughly updated and expanded edition of the xVA challenge The period since the global financial crisis has seen a major re-appraisal of derivatives valuation, generally expressed in the form of valuation adjustments (' xVAs '). The quantification of xVA is now seen as fundamental to derivatives pricing and valuation. The xVA topic has been complicated and further broadened by accounting standards and regulation. All users of derivatives need to have a good understanding of the implications of xVA. The pricing and valuation of the different xVA terms has become a much studied topic and many aspects are in constant debate both in industry and academia. • Discussing counterparty credit risk in detail, including the many risk mitigants, and how this leads to the different xVA terms • Explains why banks have undertaken a dramatic reappraisal of the assumptions they make when pricing, valuing and managing derivatives • Covers what the industry generally means by xVA and how it is used by banks, financial institutions and end-users of derivatives • Explains all of the underlying regulatory capital (e.g. SA-CCR, SA-CVA) and liquidity requirements (NSFR and LCR) and their impact on xVA • Underscores why banks have realised the significant impact that funding costs, collateral effects and capital charges have on valuation • Explains how the evolution of accounting standards to cover CVA, DVA, FVA and potentially other valuation adjustments • Explains all of the valuation adjustments – CVA, DVA, FVA, CoIVA, MVA and KVA – in detail and how they fit together • Covers quantification of xVA terms by discussing modelling and implementation aspects. Taking into account the nature of the underlying market dynamics and new regulatory environment, this

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Engineering Explained
book brings readers up to speed on the latest developments on the topic.

Written by a practitioner with years working in CVA, FVA and DVA this is a thorough, practical guide to a topic at the very core of the derivatives industry. It takes readers through all aspects of counterparty credit risk management and the business cycle of CVA, DVA and FVA, focusing on risk management, pricing considerations and implementation.

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