



# Modelling Single-name and Multi-name Credit Derivatives

By Dominic O'Kane

Download now

Read Online 

**Modelling Single-name and Multi-name Credit Derivatives** By Dominic O'Kane

*Modelling Single-name and Multi-name Credit Derivatives* presents an up-to-date, comprehensive, accessible and practical guide to the pricing and risk-management of credit derivatives. It is both a detailed introduction to credit derivative modelling and a reference for those who are already practitioners.

This book is up-to-date as it covers many of the important developments which have occurred in the credit derivatives market in the past 4-5 years. These include the arrival of the CDS portfolio indices and all of the products based on these indices. In terms of models, this book covers the challenge of modelling single-tranche CDOs in the presence of the correlation skew, as well as the pricing and risk of more recent products such as constant maturity CDS, portfolio swaptions, CDO squareds, credit CPPI and credit CPDOs.

 [Download Modelling Single-name and Multi-name Credit Deriva ...pdf](#)

 [Read Online Modelling Single-name and Multi-name Credit Deri ...pdf](#)

# Modelling Single-name and Multi-name Credit Derivatives

By Dominic O'Kane

## Modelling Single-name and Multi-name Credit Derivatives By Dominic O'Kane

*Modelling Single-name and Multi-name Credit Derivatives* presents an up-to-date, comprehensive, accessible and practical guide to the pricing and risk-management of credit derivatives. It is both a detailed introduction to credit derivative modelling and a reference for those who are already practitioners.

This book is up-to-date as it covers many of the important developments which have occurred in the credit derivatives market in the past 4-5 years. These include the arrival of the CDS portfolio indices and all of the products based on these indices. In terms of models, this book covers the challenge of modelling single-tranche CDOs in the presence of the correlation skew, as well as the pricing and risk of more recent products such as constant maturity CDS, portfolio swaptions, CDO squareds, credit CPPI and credit CPDOs.

## Modelling Single-name and Multi-name Credit Derivatives By Dominic O'Kane Bibliography

- Sales Rank: #887888 in Books
- Published on: 2008-08-04
- Original language: English
- Number of items: 1
- Dimensions: 9.85" h x 1.33" w x 6.85" l, 2.45 pounds
- Binding: Hardcover
- 514 pages

 [Download Modelling Single-name and Multi-name Credit Deriva ...pdf](#)

 [Read Online Modelling Single-name and Multi-name Credit Deri ...pdf](#)

## Download and Read Free Online Modelling Single-name and Multi-name Credit Derivatives By Dominic O'Kane

---

### Editorial Review

From the Inside Flap

*“This book provides a unique, in-depth and comprehensive analysis of the modelling issues faced by credit modellers in the credit derivatives market.”*

—**Frank J. Fabozzi, PhD, CFA, Professor in the Practice of Finance, Yale School of Management**

*Dominic O'Kane's many years of practical experience in credit derivative markets are evident everywhere in this well-rounded, lucid, and informative book. The author does an admirable job of covering both basic and advanced topics, throughout emphasizing substance over technicalities. The product coverage of the text is extensive, with virtually all practically relevant credit derivatives carefully described and analyzed. Both beginners and seasoned pros can learn from O'Kane's insights and his book deserves a wide readership. Highly recommended.”*

—**Leif Andersen, Head of Quantitative Research, Banc of America Securities**

From the Back Cover

*Modelling Single-name and Multi-name Credit Derivatives* presents an up-to-date, comprehensive, accessible and practical guide to the pricing and risk-management of credit derivatives. It is both a detailed introduction to credit derivative modelling and a reference for those who are already practitioners.

This book is up-to-date as it covers many of the important developments which have occurred in the credit derivatives market in the past 4-5 years. These include the arrival of the CDS portfolio indices and all of the products based on these indices. In terms of models, this book covers the challenge of modelling single-tranche CDOs in the presence of the correlation skew, as well as the pricing and risk of more recent products such as constant maturity CDS, portfolio swaptions, CDO squareds, credit CPPI and credit CPDOs.

Divided into two parts, part one of this book covers single-name credit derivatives. Reflecting its importance as the building block for most other credit derivatives, the mechanics of the credit default swap (CDS) are covered in considerable detail. A chapter is then devoted to the risk-management of CDS. The pricing and risk-management of forward starting CDS, the option on a CDS and constant maturity CDS are then covered.

Part two of the book covers multi-name products and begins with the CDS index. The mechanics and pricing of the CDS index are set out in detail. A chapter on the pricing of options on the CDS index follows. Much of part two of the book is then devoted to the pricing and risk-management of single tranche CDOs. After discussing the Gaussian copula model and the numerical challenge of building the portfolio loss distribution, several chapters are devoted to the subject of modelling the correlation skew. This includes a detailed discussion of base correlation, copula-based skew models and dynamic correlation modelling.

Practical and accessible, *Modelling Single-name and Multi-name Credit Derivatives* does not assume any previous knowledge of credit derivatives. Products are explained in detail as are the requirements of any pricing model. While the book is undoubtedly mathematical, the emphasis is on building intuition, especially regarding the risk sensitivities of the product. Issues such as model requirements, model calibration and stability are addressed. Attention is paid to the need for optimising the computationally efficiency of the implementation, and detailed algorithms are presented which are simple for the reader to convert into their

preferred programming language.

#### About the Author

Dominic O'Kane is an affiliated Professor of Finance at the French business school EDHEC which is based in Nice, France. Until May 2006, Dominic O'Kane was a managing director and ran the European Fixed Income Quantitative Research group at Lehman Brothers, the US investment bank. Dominic spent seven of his nine years at Lehman Brothers working as a quant for the credit derivatives trading desk.

#### Users Review

##### From reader reviews:

##### **Nancy Jackson:**

As people who live in the actual modest era should be change about what going on or details even knowledge to make all of them keep up with the era which is always change and move ahead. Some of you maybe can update themselves by studying books. It is a good choice to suit your needs but the problems coming to an individual is you don't know what one you should start with. This Modelling Single-name and Multi-name Credit Derivatives is our recommendation to cause you to keep up with the world. Why, since this book serves what you want and want in this era.

##### **Beverly Sands:**

Playing with family inside a park, coming to see the ocean world or hanging out with pals is thing that usually you might have done when you have spare time, after that why you don't try thing that really opposite from that. 1 activity that make you not feeling tired but still relaxing, trilling like on roller coaster you are ride on and with addition details. Even you love Modelling Single-name and Multi-name Credit Derivatives, you are able to enjoy both. It is fine combination right, you still would like to miss it? What kind of hangout type is it? Oh come on its mind hangout fellas. What? Still don't understand it, oh come on its referred to as reading friends.

##### **Gerri Pettit:**

The book untitled Modelling Single-name and Multi-name Credit Derivatives contain a lot of information on this. The writer explains the woman idea with easy means. The language is very straightforward all the people, so do not worry, you can easy to read it. The book was compiled by famous author. The author provides you in the new period of time of literary works. You can actually read this book because you can read on your smart phone, or program, so you can read the book in anywhere and anytime. If you want to buy the e-book, you can open up their official web-site along with order it. Have a nice read.

##### **Kathe Waller:**

Many people spending their time period by playing outside together with friends, fun activity using family or just watching TV 24 hours a day. You can have new activity to shell out your whole day by studying a book. Ugh, do you consider reading a book really can hard because you have to bring the book everywhere? It

alright you can have the e-book, having everywhere you want in your Touch screen phone. Like Modelling Single-name and Multi-name Credit Derivatives which is having the e-book version. So , why not try out this book? Let's find.

**Download and Read Online Modelling Single-name and Multi-name Credit Derivatives By Dominic O'Kane #REZ401FSN9T**

## **Read Modelling Single-name and Multi-name Credit Derivatives By Dominic O'Kane for online ebook**

Modelling Single-name and Multi-name Credit Derivatives By Dominic O'Kane Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Modelling Single-name and Multi-name Credit Derivatives By Dominic O'Kane books to read online.

## **Online Modelling Single-name and Multi-name Credit Derivatives By Dominic O'Kane ebook PDF download**

### **Modelling Single-name and Multi-name Credit Derivatives By Dominic O'Kane Doc**

**Modelling Single-name and Multi-name Credit Derivatives By Dominic O'Kane Mobipocket**

**Modelling Single-name and Multi-name Credit Derivatives By Dominic O'Kane EPub**

**REZ401FSN9T: Modelling Single-name and Multi-name Credit Derivatives By Dominic O'Kane**