

# Introduction to Interest Rate Models

Antoine Savine, Danske Bank, January-March 2018

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1. A simple Interest Rate Model (IRM) with only parallel shifts of the curve
2. Risk premium and risk neutralization
3. From yield curve models to short rate models and back
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1. The general Heath-Jarrow-Morton (HJM, 1992) framework

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**SA Adler**



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*Interest Rate Models* Andrew J. G. Cairns, 2004-01-25 An Introduction to Interest rate models *Cyclostationarity: Theory and Methods - IV* Fakher Chaari, Jacek Leskow, Radoslaw Zimroz, Agnieszka Wyłomańska, Anna Dudek, 2019-07-31 This book gathers contributions presented at the 10th Workshop on Cyclostationary Systems and Their Applications held in Grdek nad Dunajcem Poland in February 2017 It includes twelve interesting papers covering current topics related to both cyclostationary and general non stationary processes Moreover this book which covers both theoretical and practical issues offers a practice oriented guide to the analysis of data sets with non stationary behavior and a bridge between basic and applied research on nonstationary processes It provides students researchers and professionals with a timely guide on cyclostationary systems nonstationary processes and relevant engineering applications [Implicit Embedded Options in Life Insurance Contracts](#) Nils Rüfenacht, 2012-04-03 This book presents a market consistent valuation framework for implicit embedded options in life insurance contracts This framework is used to perform an empirical analysis based on more than 110 000 actual and in force life insurance policies and with a focus on the modeling of interest rates Its results are the answer to the central question posed in the objectives What value do the embedded options and guarantees considered have This question is answered both absolutely and relative to the current policy reserves from the perspective of the insurer the policyholder and the shareholder respectively *Recent Econometric Techniques for Macroeconomic and Financial Data* Gilles Dufrénot, Takashi Matsuki, 2020-11-21 The book provides a comprehensive overview of the latest econometric methods for studying the dynamics of macroeconomic and financial time series It examines alternative methodological approaches and concepts including quantile spectra and co spectra and explores topics such as non linear and non stationary behavior stochastic volatility models and the econometrics of commodity markets and globalization Furthermore it demonstrates the application of recent techniques in various fields in the frequency domain in the analysis of persistent dynamics in the estimation of state space models and new classes of volatility models The book is divided into two parts The first part applies econometrics to the field of macroeconomics discussing trend cycle decomposition growth analysis monetary policy and international trade The second part applies econometrics to a wide range of topics in financial economics including price dynamics in equity commodity and foreign exchange markets and portfolio analysis The book is essential reading for scholars students and practitioners in government and financial institutions interested in applying recent econometric time series methods to financial and economic data [Advanced Derivatives Pricing and Risk Management](#) Claudio Albanese, Giuseppe Campolieti, 2006 Book and CDROM include the important topics and cutting edge research in financial derivatives and risk management **Modern Derivatives Pricing and Credit Exposure Analysis** Roland Lichters, Roland Stamm, Donal Gallagher, 2015-11-15 This book provides a comprehensive guide for modern derivatives pricing and credit analysis Written to provide sound theoretical detail but practical implication it provides readers with everything they need to know to price

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