

Master thesis in Mathematics-Economics

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Swaptions pricing

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1 Introduction

In this thesis we will investigate swaptions pricing.

2 Swaptions as a missing link in asset allocation

Look at pdf form Noamura

3 Mathematics of pricing swaptions

Look at Swaption pricing and isolating volatility exposure

- 3.1 Time value og money
- 3.2 The yield curve
- 3.3 Forward rates
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4 SABR Implied Volatility and Option Prices

Look at The SABR model

- 4.1 Process for the forward rate
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5 Data and the Volatility Risk Premium

Look at Broekmans

- 5.1 Data
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