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## Chapter 1

# The need for extending Black-Scholes-Merton

#### 1.1 Notation and preliminary results

Let's start by introducing some notation and stating some preliminary results that will be useful at later stages. @asd

- 1.2 Stylized Facts
- 1.2.1 Volatility Smiles
- 1.3 Importance for Hedging

Crashofobia

# Bibliography