

## Black Scholes Model

- + interest Rate
- + double [ ] tableau des spots
- correlation Matrice
- + volatilités [ ]
- $t_{i+1} - t_i$  = intervalle de temps

Gaussian Vector  
+ simulation

Option  
+ maturité  
+ strike  
+ Id [ ]  
+ coefficients [ ]  
abstract  
payoff( $S, [ ]$ )

+ volatilité  
+ correlation

Performance Option

Basket  
Option

Asian  
Option

Performance  
Option

## Hedging Portfolios

+ Composition [ ]

MonteCarlo

double [ ] distribution