

## TERMSTRUCTUREMONTECARLOSIMULATIONMODEL

→ TO BE GIVEN IN getValue

TERMSTRUCTUREMONTECARLOSIMULATION FROM TERMSTRUCTUREMODEL

WE WANT TO CONSTRUCT  
AN OBJECT OF  
SUCH AN  
INTERFACE

## LIBORMODELMONTECARLOSIMULATIONMODEL

→ WE WANT TO USE SUCH

A CONSTRUCT

LIBORMONTECARLOSIMULATION FROM TERM  
STRUCTUREMODEL

LIBORMONTECARLOSIMULATION FROM LIBORMODEL

LIBORMONTECARLOSIMULATION FROM LIBORMODEL (FINE MONTECARLO PROCESS PROCESS)

IT EXTENDS THE INTERFACE PROCESS, BUT IT ALSO HAS A METHOD getModel,  
GIVING THIS MODEL. FOR US, THIS MODEL MUST ~~MUST~~ BE OF TYPE LIBORMODEL.

IN PARTICULAR:

## MONTECARLOPROCESS

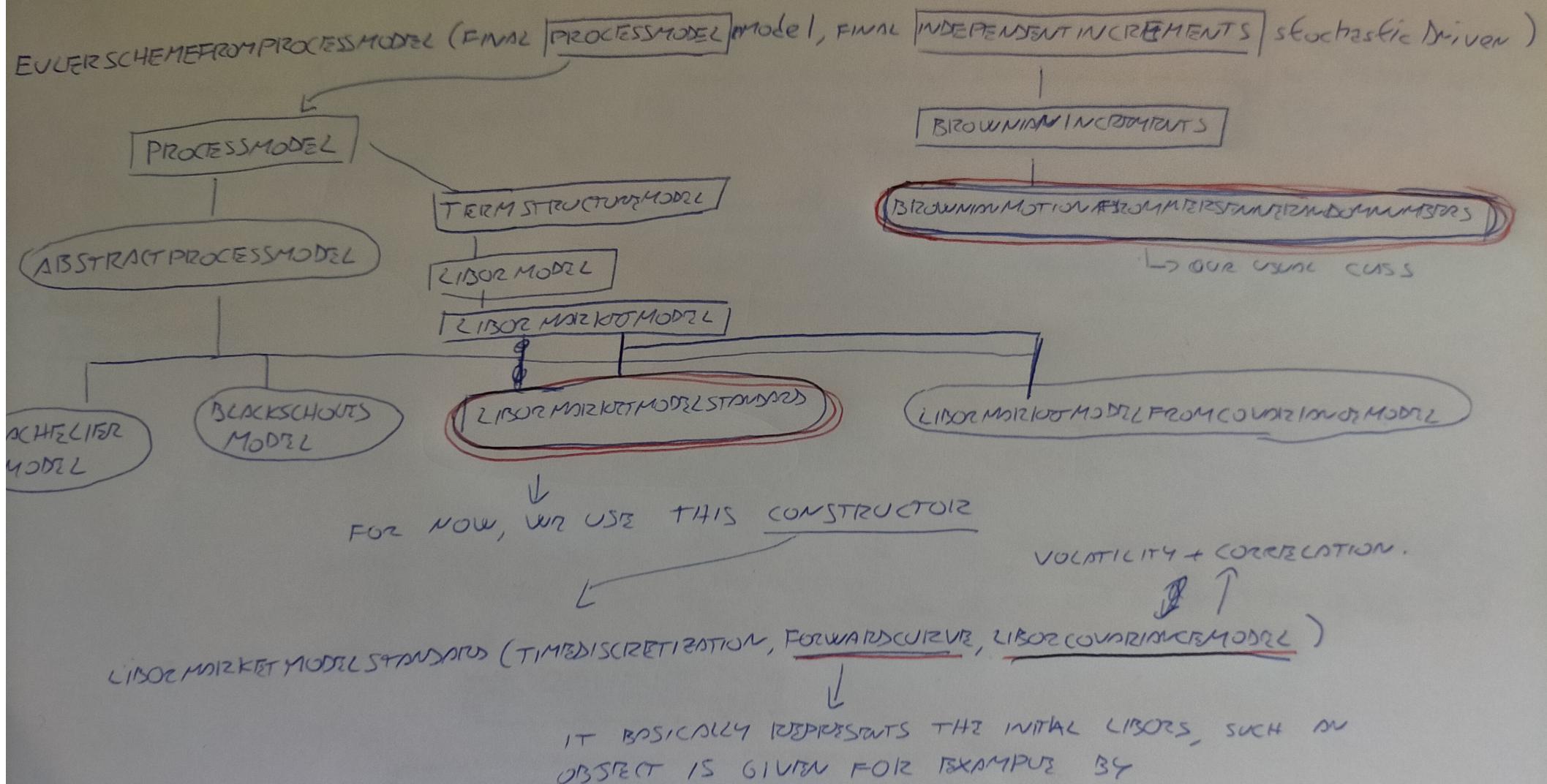
MONTECARLOPROCESS FROM PROCESSMODEL

EULERSCHEMEFROMPROCESSMODEL

WE WANT TO GIVE SUCH AN OBJECT  
→ TO THE CONSTRUCTOR OF  
LIBORMONTECARLOSIMULATION FROM LIBORMODEL

WE WANT TO GIVE AN OBJECT OF TYPE EULERSCHEMEFROMPROCESSMODEL.

WE USE THE FOLLOWING CONSTRUCTOR:



WE ARE NOW LEFT WITH THE NEED TO GIVE AN OBJECT OF  
 TYPE **LIBORCOVARIANCEMODEL** THE CONSTRUCTOR AS WE USE IS OF THE  
 CLASS **LIBORCOVARIANCEMODELFROMVOLATILITYANDCORRELATION**,  
 WHICH IMPLEMENTS (INDIRECTLY) **LIBORCOVARIANCEMODEL**.

WE HAVE

**LIBORVARIANCEMODELFROMVOLATILITY** (TIMEDISC. SIMULATION, TIMEDISC. TENURE STRUCTURE,

**LIBORVOLATILITYMODEL**

**LIBORCORRELATIONMODEL**)

