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```
Help
#if defined(PremiaCurrentVersion) && PremiaCurrentVersion <</pre>
     (2007+2) //The "#else" part of the code will be freely av
    ailable after the (year of creation of this file + 2)
#else
#ifndef LMM_HEADER_H
#define LMM HEADER H
#include<math.h>
#include"stdio.h"
#include"stdlib.h"
#include "pnl/pnl_vector.h"
typedef double (*funcVol)(double t, double T, double sigma)
    ; /*// volatility function*/
typedef struct
  int numberOfFactors;
  double flat_sigma;
  funcVol *vol; /*// vol is an array of volatility
    functions */
}Volatility;
typedef struct
  int numberOfMaturities ;
  double tenor;
  PnlVect *maturity ;
  PnlVect *libor ;
}Libor;
typedef struct
  int numberOfMaturities ;
  int numberOfTrajectories;
  double tenor;
  double *maturity ;
```

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```
double ***libor ;
}HistLibor;
typedef struct
  int numberOfFactors ;
  double *val ;
}RandomGenerator;
typedef struct
  double swaptionMaturity;
  double swapMaturity;
  double price;
  double strike;
  double tenor;
  int numberOfDates;
}Swaption;
typedef struct
  double maturity;
  double price;
  double strike;
}Caplet;
typedef struct
  int numberOfMaturities ;
  double tenor;
  double * value ;
}ZeroBond;
```

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#endif

#endif //PremiaCurrentVersion

References