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```
Help
#ifndef _LMM_PITERBARG
#define _LMM_PITERBARG
#include <stdio.h>
#include <stdlib.h>
#include <math.h>
#include "pnl/pnl_vector.h"
#include "pnl/pnl_matrix.h"
#include "pnl/pnl_mathtools.h"
#include "math/read market zc/InitialYieldCurve.h"
// 0 < T(0) < T(1) < .... < T(N)
// L(0), L(1), ..., L(N-1)
// beta(0), beta(1), ..., beta(N-1)
// sigma(0), sigma(1), ..., sigma(N-1)
typedef struct StructLmmPiterbarg
{
    ZCMarketData *ZCMarket; // Structure that constraints
    initial yield curve
    PnlVect *TimeDates;
    double Var SpeedMeanReversion;
    double Var Volatility;
    int NbrVolFactors;
    PnlMat* SkewsParams;
    PnlMat* VolsParams;
}StructLmmPiterbarg;
StructLmmPiterbarg* SetLmmPiterbarg(int InitYieldCurve_fla
    g, double R_flat, double period, double T_last, double
    Var_SpeedMeanReversion, double Var_Volatility, int NbrVol
    Factors, PnlMat* SkewsParams, PnlMat* VolsParams);
double LiborRate_skew(StructLmmPiterbarg *LmmPiterbarg,
```

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References