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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 HULLWHITE1DINCLUDES_H
#define HULLWHITE1DINCLUDES H
#include<stdlib.h>
#include "hullwhite1d stdi.h"
#include "math/read market zc/InitialYieldCurve.h"
/// Computation of the two coefficient A(t,T) and B(t,T) us
    ed in the price of a Zero Coupon.
/// These two coefficients are independents of r and u.
void ZCPrice CoefficientHW1D(ZCMarketData* ZCMarket,
    double a, double sigma, double t, double T, double* A_tT,
    double* B_tT);
/// Price of a ZC using the two coefficient A(t,T) and B(t,T)
    T) . H&W is a affine model.
double ZCPrice_Using_CoefficientHW1D(double r_t, double A_
    tT, double B tT);
/// Price at date t of a ZC maturing at T, knowing that r(
double cf hw1d zcb(ZCMarketData* ZCMarket, double a,
    double sigma, double t, double r t, double T);
/// Price at date t of a european put on a ZC maturing at
    T, knowing that r(t)=r t.
double cf hw1d zbput(ZCMarketData* ZCMarket, double a,
    double sigma, double S, double T, double K);
/// Price at date t of a european call on a ZC maturing at
    T, knowing that r(t)=r_t.
double cf_hw1d_zbcall(ZCMarketData* ZCMarket, double a,
    double sigma, double S, double T, double K);
#endif
```

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#endif //PremiaCurrentVersion

References