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Help
#ifndef __carr__
#define __carr__
#include "tool box.h"
#include "finance_tool_box.h"
#include "levy_process.h"
#include "levy_diffusion.h"
#include "pnl/pnl_complex.h"
extern int CarrMethod_VectStrike(PnlVect *K,
                                  PnlVect * Price,
                                  double SO,
                                  double T,
                                  double Kstep,
                                  double CallPut,
                                  double r,
                                  double divid,
                                  double sigma,
                                  void * Model,
                                  dcomplex (*ln_phi)(dcompl
    ex u,double t,void * model)
                                  );
extern int CarrMethod_onStrikeList(PnlVect *K,
                                    PnlVect * Price,
                                    double SO,
                                    double T,
                                    double CallPut,
                                    double r,
                                    double divid,
                                    double sigma,
                                    Levy_diffusion * Model);
extern int CarrMethod(double SO,
                       double T,
                       double K,
                       double CallPut,
                       double r,
                       double divid,
                       double sigma,
```

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```
//Levy diffusion * Model,
                      void * Model,
                      dcomplex (*ln_phi)(dcomplex u,double
    t, void * model),
                      double *ptprice,
                      double *ptdelta);
extern int CarrMethod_Vanilla_option(Option_Eqd *opt,
                                      double sigma,
                                      Levy_process * Model);
extern int CarrMethod_Vanilla_option_LD(Option_Eqd *opt,
                                         double sigma,
                                         Levy_diffusion *
    Model);
extern int AttariMethod Vanilla option(Option Eqd *opt,
                                        double sigma,
                                        Levy_process *
    Model);
extern int AttariMethod_Vanilla_option_LD(Option_Eqd *opt,
                                           double sigma,
                                           Levy diffusion *
    Model);
extern int Var Swap Price option(Option Eqd *opt,
    Levy_process * Model);
extern int Var_Swap_Price_option_LD(Option_Eqd *opt,
    Levy_diffusion * Model);
#endif
```

References