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Help
#include "vasicek1d stdi.h"
int MOD OPT(ChkMix)(Option *Opt, Model *Mod)
 TYPEOPT* ptOpt=( TYPEOPT*)(Opt->TypeOpt);
  TYPEMOD* ptMod=( TYPEMOD*)(Mod->TypeModel);
  int status=OK;
  if ((strcmp(Opt->Name, "ZeroCouponCallBondEuro") == 0) || (
    strcmp(Opt->Name,"ZeroCouponPutBondEuro")==0) || (strcmp(Opt-
    >Name, "ZeroCouponCallBondAmer") == 0) || (strcmp(Opt->Name, "
    ZeroCouponPutBondAmer")==0))
      if ((ptOpt->OMaturity.Val.V_DATE)<=(ptMod->T.Val.V_DA
    TE))
  {
    Fprintf(TOSCREENANDFILE, "Current date greater than
    maturity!{n");
    status+=1;
  }
      if((ptOpt->BMaturity.Val.V_DATE)<=(ptOpt->OMaturity.
    Val.V_DATE))
    Fprintf(TOSCREENANDFILE, "Option maturity greater than
    Bond maturity!{n");
    status+=1;
  }
  if ((strcmp(Opt->Name, "ZCBond")==0))
    {
      if ((ptOpt->BMaturity.Val.V DATE) <= (ptMod->T.Val.V DA
    TE))
  {
    Fprintf(TOSCREENANDFILE, "Current date greater than
   maturity!{n");
    status+=1;
  }
  if ((strcmp(Opt->Name, "PayerSwaption") == 0) | | (strcmp(Opt->
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Name, "ReceiverSwaption") == 0) | | (strcmp(Opt->Name, "
    PayerBermudanSwaption") == 0) | | (strcmp(Opt->Name, "
    ReceiverBermudanSwaption")==0))
     if((ptOpt->BMaturity.Val.V_DATE)<=(ptOpt->OMaturity.
    Val.V DATE))
  {
    Fprintf(TOSCREENANDFILE, "Option maturity greater than
    Bond maturity!{n");
    status+=1;
  }
  if ((strcmp(Opt->Name, "Floor")==0)||(strcmp(Opt->Name, " Cap")==0))
      if ((ptOpt->FirstResetDate.Val.V_DATE)<=(ptMod->T.Val
    .V_DATE))
  {
    Fprintf(TOSCREENANDFILE, "Current date greater than fir
    st coupon date!{n");
    status+=1;
  }
      if ((ptOpt->FirstResetDate.Val.V_DATE)>=(ptOpt->BMatu
    rity.Val.V_DATE))
    Fprintf(TOSCREENANDFILE, "First reset date greater than
     contract maturity!{n");
    status+=1;
  }
    }
 return status;
}
extern PricingMethod MET(CF_ZCBond);
extern PricingMethod MET(CF_ZCPutBondEuro);
extern PricingMethod MET(CF ZCCallBondEuro);
extern PricingMethod MET(CF Cap);
extern PricingMethod MET(CF_Floor);
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extern PricingMethod MET(CF PayerSwaption);
extern PricingMethod MET(CF ReceiverSwaption);
extern PricingMethod MET(FD_ZCBond);
extern PricingMethod MET(FD ZBO);
extern PricingMethod MET(FD CAPFLOOR);
extern PricingMethod MET(FD SWAPTION);
extern PricingMethod MET(FD_GaussZCBond);
extern PricingMethod MET(FD GaussZBO);
extern PricingMethod MET(FD GaussCAPFLOOR);
extern PricingMethod MET(FD_GaussSWAPTION);
PricingMethod* MOD OPT(methods)[]={
  &MET(CF ZCBond),
  &MET(CF ZCPutBondEuro),
  &MET(CF ZCCallBondEuro),
  &MET(CF_Cap),
  &MET(CF Floor),
  &MET(CF PayerSwaption),
  &MET(CF_ReceiverSwaption),
  &MET(FD ZCBond),
  &MET(FD ZBO),
  &MET(FD CAPFLOOR),
  &MET(FD_SWAPTION),
  &MET(FD GaussZCBond),
  &MET(FD GaussZBO),
  &MET(FD GaussCAPFLOOR),
  &MET(FD GaussSWAPTION),
  NULL
};
DynamicTest* MOD_OPT(tests)[]={
  NULL
};
Pricing MOD OPT(pricing)={
  ID MOD OPT,
  MOD OPT(methods),
  MOD_OPT(tests),
  MOD OPT(ChkMix)
};
```

References