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```
Help
#include "cirpp1d.h"
#include "chk.h"
#include "model.h"
#include "enums.h"
extern char* path_sep;
double MOD(GetYield)(TYPEMOD *pt)
  VAR *Par;
  Par = lookup_premia_enum_par (&(pt->flat_flag), 0);
  return Par[0].Val.V_PDOUBLE;
}
static int MOD(Init)(Model *model)
  VAR *Par;
  TYPEMOD* pt=(TYPEMOD*)(model->TypeModel);
  if (model->init == 0 )
      model->init = 1;
      model->nvar=0;
      pt->T.Vname = "Current Date";
      pt->T.Vtype=DATE;
      pt->T.Val.V_DATE=0.0;
      pt->T.Viter=ALLOW;
      model->nvar++;
      pt->flat flag.Vname = "Initial Yields Curve";
      pt->flat_flag.Vtype=ENUM;
      pt->flat_flag.Val.V_ENUM.value=0;
      pt->flat flag.Val.V ENUM.members=&PremiaEnumFlat;
      pt->flat flag.Viter=ALLOW;
      model->nvar++;
      Par = lookup_premia_enum_par (&(pt->flat_flag), 0);
      Par[0].Vname = "Yield Value";
      Par[0].Vtype=PDOUBLE;
      Par[0].Val.V_PDOUBLE=0.05;
```

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Par[0].Viter=ALLOW;
      pt->a.Vname = "Speed of Mean Reversion";
      pt->a.Vtype=PDOUBLE;
      pt->a.Val.V_PDOUBLE=0.15;
      pt->a.Viter=ALLOW;
      model->nvar++;
      pt->b.Vname = "Long Term Mean";
      pt->b.Vtype=PDOUBLE;
      pt->b.Val.V_PDOUBLE=0.05;
      pt->b.Viter=ALLOW;
      model->nvar++;
      pt->Sigma.Vname = "Volatility";
      pt->Sigma.Vtype=PDOUBLE;
      pt->Sigma.Val.V_PDOUBLE=0.1;
      pt->Sigma.Viter=ALLOW;
      model->nvar++;
      model->HelpFilenameHint = "CIRPP1D";
    }
  return OK;
TYPEMOD CirPlus1d;
MAKEMOD(CirPlus1d);
```

## References