

## [Help](#)

```
#include "
href../..mod/twohypergeometric1d/twohypergeometric1d_h_src.pdftwohypergeometric
#include "
href../..common/chk_h_src.pdfchk.h"
#include "
href../..common/error_msg_h_src.pdferror_msg.h"
#include "
href../..mod/hes1d/hes1d_pad/model_h_src.pdfmodel.h"

extern char *path_sep;

static int MOD(Init)(Model *model)
{
    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.;
        pt->T.Viter = ALLOW;
        model->nvar++;

        pt->S0.Vname = "Spot";
        pt->S0.Vtype = PDOUBLE;
        pt->S0.Val.V_PDOUBLE = 100.;
        pt->S0.Viter = ALLOW;
        model->nvar++;

        pt->V0.Vname = "Initial volatility";
        pt->V0.Vtype = DOUBLE;
        pt->V0.Val.V_DOUBLE = 5.9;
        pt->V0.Viter = ALLOW;
        model->nvar++;

        pt->a.Vname = "a";
        pt->a.Vtype = DOUBLE;
```

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    pt->a.Val.V_DOUBLE = 1.;
    pt->a.Viter = ALLOW;
    model->nvar++;

    pt->c.Vname = "c";
    pt->c.Vtype = DOUBLE;
    pt->c.Val.V_DOUBLE = 2;
    pt->c.Viter = ALLOW;
    model->nvar++;

    pt->epsilon.Vname = "epsilon";
    pt->epsilon.Vtype = DOUBLE;
    pt->epsilon.Val.V_DOUBLE = 0.01;
    pt->epsilon.Viter = ALLOW;
    model->nvar++;

    pt->eta.Vname = "eta";
    pt->eta.Vtype = DOUBLE;
    pt->eta.Val.V_DOUBLE = 2;
    pt->eta.Viter = ALLOW;
    model->nvar++;

    pt->Rho.Vname = "Rho";
    pt->Rho.Vtype = DOUBLE;
    pt->Rho.Val.V_DOUBLE = -0.5;
    pt->Rho.Viter = ALLOW;
    model->nvar++;

    model->HelpFilenameHint = "TWOHYPERGEOMETRIC1D";

}

return OK;
}

TYPEMOD TwoHyperGeometric1dim;

MAKEMOD(TwoHyperGeometric1dim);

```