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```
#ifndef _HES1D_SLV_H
#define _HES1D_SLV_H

#include "optype.h"
#include "var.h"
#include "error_msg.h"
#include "math/local_vol.h"

#define TYPEMOD HES1D_SLV

/*1D HESTON SLV World*/

typedef struct TYPEMOD
{
    VAR T;
    VAR S0;
    VAR Divid;
    VAR R;
    VAR Sigma0;
    VAR MeanReversion;
    VAR LongRunVariance;
    VAR Sigma;
    VAR SigmaLV;
    VAR Rho;
} TYPEMOD;

#endif
```

References