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```
#ifndef _LIBOR_AFFINE_GOU1D_H
#define _LIBOR_AFFINE_GOU1D_H

#include "
href../../../../common/optype_h_src.pdfoptype.h"
#include "
href../../../../common/var_h_src.pdfvar.h"
#include "
href../../../../common/error_msg_h_src.pdferror_msg.h"
#include "
href../../../../common/enums_h_src.pdfenums.h"

#define TYPEMOD LIBOR_AFFINE_GOU1D

/*1D Libor Market Model World*/
typedef struct TYPEMOD
{
    VAR T;
    VAR flat_flag;
    VAR x0;
    VAR lambda;
    VAR alpha;
    VAR beta;

} TYPEMOD;

extern double MOD(GetYield)(TYPEMOD *pt);
extern char *MOD(GetCurve)(TYPEMOD *pt);
#endif
```