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## std2d

### 1 Description

#### Premia 18

For this family, the payoff is given by:

$\varphi(S_{1,T}, S_{2,T})$  which is paid at the maturity  $T$ .

### 2 Code Implementation

```
#ifndef _STD2D_H
#define _STD2D_H

#include "optype.h"
#include "var.h"
#include "chk.h"
#include "numfunc.h"
#include "option.h"

#define TYPEOPT STD2D

typedef struct TYPEOPT
{
    VAR Maturity;
    VAR PayOff;
    VAR EuOrAm;
} TYPEOPT;

int OPT(Get)(int user, Planning *pt_plan, Option *opt, Model *mod);
```

```
int OPT(FGet)(char **InputFile, int user, Planning *pt_plan, Option *opt, Model
int OPT(Show)(int user, Planning *pt_plan, Option *opt, Model *mod);
int OPT(Check)(int user, Planning *pt_plan, Option *opt);

#endif
```