

stdz

Premia 22

1 Risk Insurance Derivatives

2 Code Implementation

```
#ifndef _STDz_H
#define _STDz_H

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

#define TYPEOPT STDz

typedef struct TYPEOPT
{
    VAR      PayOff;
    VAR      EuOrAm;
    VAR      Maturity;
    VAR      PremiumPercentage;
    VAR      CompoundRollUpRate;
    VAR      Margin;
    VAR      Mortalityexpensefee;
    VAR      Additionalearning1;
    VAR      Additionalearning2;
    VAR      RiskLevel;
```

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

#endif
```