

[Help](#)

```
#ifndef _LEVY_CALIBRATION_H_
#define _LEVY_CALIBRATION_H_
#include <stdio.h>
#include <stdlib.h>

#include "pnl/pnl_matrix.h"
#include "pnl/pnl_vector.h"
#include "pnl/pnl_lbgssolver.h"

#include "
href../../../../common/math/equity_pricer/finance_tool_box_h_src.pdf
finance_tool_box_h_src.pdf

extern double TT_interest_rate(double t); //0.03
extern double TT_volatility(double t); //0.15*0.15;}

typedef struct _Calibration_Data Calibration_Data;
struct _Calibration_Data
{
    List_Option_Eqd *list_input;
    List_Option_Eqd *list_model;
    int type_of_process;
};

extern Calibration_Data *calibration_data_create(List_Option_Eqd *list_input_, d
extern void calibration_data_free(Calibration_Data **data);
extern double calibration_data_QuadraticError(const Calibration_Data *Data);

extern double QuadraticError_ForLevyProcess(const PnlVect *GenerationParams, voi
extern void Constraints_ForLevyProcess(PnlVect *res, const PnlVect *x, void *dat

extern double QuadraticError_ForLevyDiffusion(const PnlVect *GenerationParams, v
extern void Constraints_ForLevyDiffusion(PnlVect *res, const PnlVect *x, void *d

#endif // LEVY_CALIBRATION_H
```