2 pages

Source | Model Presentation

fps1d

1 Description

$$\begin{cases} dX_t = rX_t dt + \sigma_t X_t dW_t \\ \sigma_t = f(Y_t) \\ dY_t = -\alpha Y_t dt + \beta dZ_t \end{cases}$$

2 Code Implementation

```
#ifndef _FPS1D_H
#define _FPS1D_H
#include "optype.h"
#include "var.h"
#include "error_msg.h"
#define TYPEMOD FPS1D
/*1D Fouque Papanicolau Sircar World*/
typedef struct TYPEMOD{
  VAR T;
  VAR SO;
  VAR Divid;
  VAR R;
  VAR Sigma0;
  VAR MeanReversion;
  VAR LongRunVariance;
  VAR Rho;
  VAR SigmaF;
} TYPEMOD;
```

2 pages

#endif