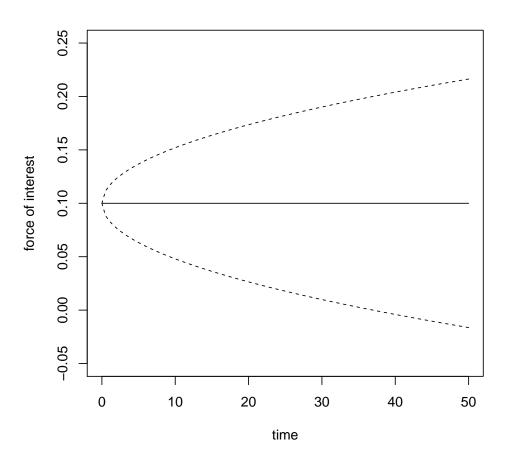
The classes are demonstrated below.

> library(stocins)

1 Interest Rate Models

1.1 Wiener Process

```
> wienermodel = iratemodel(list(delta0 = 0.05, sigma = 0.01),
                            "gbm")
> pv.ev(10, wienermodel)
[1] 0.6167242
> pv.var(10, wienermodel)
[1] 0.01289196
> pv.cov(5,10,wienermodel)
[1] 0.005039818
A plot is shown below.
> wienermodel = iratemodel(list(delta0 = 0.10, sigma = 0.01),
                            "gbm")
> plot(function(t) delta.ev(t, wienermodel), 0, 50, col = 'black',
       ylim = c(-0.05, 0.25), xlab = "time", ylab = "force of interest")
> plot(function(t) delta.ev(t, wienermodel) -
         1.645 * sqrt(delta.var(t, wienermodel)), 0, 50,
       add = TRUE, 1ty = 2)
> plot(function(t) delta.ev(t, wienermodel) +
         1.645 * sqrt(delta.var(t, wienermodel)), 0, 50,
       add = TRUE, 1ty = 2)
```



1.2 Ornstein-Uhlenbeck Process

