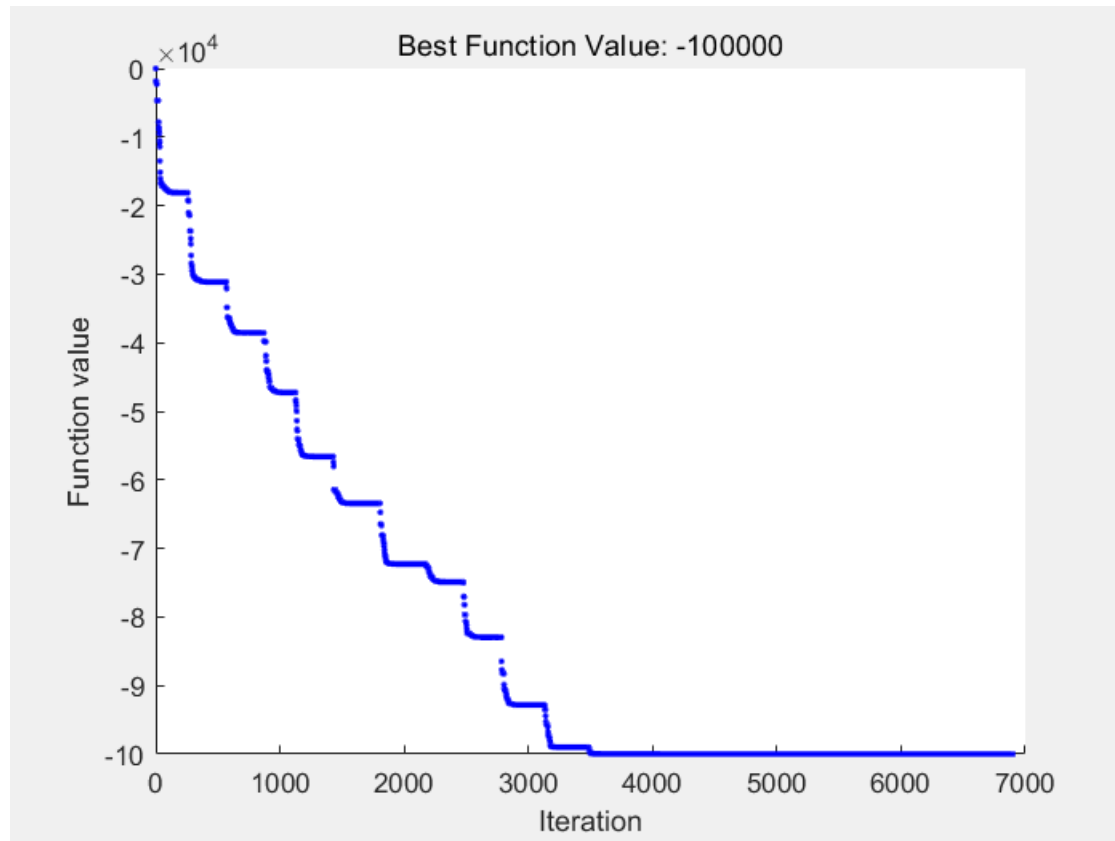


模拟退火

```
x0 = [1 1 1];  
x_lb = [0 0 0];  
x_ub = [100 100 1000];  
options = optimoptions("simulannealbnd","PlotFcn","saplotbestf");  
  
[x, fval, exitflag, output] = simulannealbnd(@Obj_fun, x0, x_lb, x_ub, options);
```



Optimization terminated: change in best function value less than options.FunctionTolerance.

x, fval

```
x = 1×3  
103 x  
    0.0000    0.1000    1.0000  
fval = -100000
```

函数定义

```
function y = Obj_fun(x)  
    y = x(1)^2 - x(2)*x(3);  
end
```