

```
>> Find_minmax
interval[-3,-2.5]
-----
local max:
x =    -2.1364    -5.3198
fval = 2.1905e-09

local min:
x =     1.2857    -0.0048
fval =    -3.5925

interval[-2.5,-2]
-----
local max:
x =    -1.9226    -7.0580
fval =    7.2308e-17

local min:
x =     1.2857    -0.0048
fval =    -3.5925

interval[-2,-1.5]
-----
local max:
x =     0.2283    -1.6255
fval =    -6.5511

local min:
x =    -0.0093     1.5814
fval =    -8.1062

interval[-1.5,-1]
-----
local max:
x =    -1.3474     0.2045
fval =    -3.0498

local min:
x =    -0.4600    -0.6292
fval =    -3.7766

interval[-1,-0.5]
-----
local max:
x =     0.2283    -1.6255
fval =    -6.5511

local min:
x =    -0.4600    -0.6292
fval =    -3.7766
```

```
interval[-0.5,0]
```

```
-----
```

```
local max:
```

```
x =    -1.7677    5.3979
```

```
fval =    4.4609e-10
```

```
local min:
```

```
x =    -0.4600   -0.6292
```

```
fval =    -3.7766
```

```
interval[0,0.5]
```

```
-----
```

```
local max:
```

```
x =     0.2964    0.3202
```

```
fval =    -0.0649
```

```
local min:
```

```
x =    -0.0093    1.5814
```

```
fval =    -8.1062
```

```
interval[0.5,1]
```

```
-----
```

```
local max:
```

```
x =     1.6705   -7.4359
```

```
fval =    7.1446e-20
```

```
local min:
```

```
x =    -0.0093    1.5814
```

```
fval =    -8.1062
```

```
interval[1,1.5]
```

```
-----
```

```
local max:
```

```
x =     1.8748    6.2332
```

```
fval =    3.7479e-14
```

```
local min:
```

```
x =    -0.0093    1.5814
```

```
fval =    -8.1062
```

```
interval[1.5,2]
```

```
-----
```

```
local max:
```

```
x =     2.1282    4.6740
```

```
fval =    7.8602e-08
```

```
local min:
```

```
x =    -0.0093    1.5814
```

```
fval =    -8.1062
```

```
interval[2,2.5]
```

```
-----
```

local max:

x = 1.6676 10.5325

fval = 5.3334e-44

local min:

x = -0.0093 1.5814

fval = -8.1062

interval[2.5,3]

local max:

x = 2.1567 6.0655

fval = 8.2589e-14

local min:

x = -0.0093 1.5814

fval = -8.1062

global max

globalmaxf = 7.8602e-08

globalmaxx = 2.1282 4.6740

global min

globalminf = -8.1062

globalminx = -0.0093 1.5814