```
>> fa_mincon
 parameters [n N iteration alpha betamin gamma]
Solve the simple spring design problem ...
bestsolution =
  bestojb =
  0.012733199472784
total number of function evaluations =
      20000
>> fa ndim
 parameters [n N iteration alpha betamin gamma]
bestsolution =
 Columns 1 through 5
  1.000036387734197 0.999948415782068 0.99989998886696 0.999915318866246 4
0.999814685610164
 Columns 6 through 10
  0.99988283408055 1.000078848334043 1.000018114119038 0.999894174692523 ¥
1.000001294642462
 Columns 11 through 15
  0.999939880149542 1.000046230580348 0.999955909550300 1.000035891794797 v
1.000005603727638
bestojb =
    9.474104223453691e-08
total_number_of_function_evaluations =
      10000
>> firefly_simple
 n=number of fireflies
 MaxGeneration=number of pseudo time steps
```

ans =

-4.006584680710244	4.083170271136409	0.993063517206956
4.076791758985568	4.023778962623619	0.993558423172544
4.053695466987620	4.005241573366966	0.997093554647802
3.960300579311401	4.027222241356965	0.997685587963629
-4.020783938025531	4.039271808016355	0.998027700559017
4.035612575702925	3.992037204594867	0.998669224609100
-0.067024804393667	-3.961118035549006	1.988028019779821
-0.016254955284469	-3.944245911404113	1.993266229076650
0.017950046964866	-0.016031642517979	1.998842155653709
-0.020819390777583	-3.992669041825240	1.999026095904019
0.006780725813384	0.015312521711154	1.999439374583531
0.000317979833504	0.004762709047673	1.999954648153034