
```
rng default % For reproducibility
gs = GlobalSearch;
sixmin = @(x)(4*x(1)^2 - 2.1*x(1)^4 + x(1)^6/3 ...
    + x(1)*x(2) - 4*x(2)^2 + 4*x(2)^4);
problem = createOptimProblem('fmincon','x0',[-1,2],...
    'objective',sixmin,'lb',[-3,-3],'ub',[3,3]);
x = run(gs,problem)
```

GlobalSearch stopped because it analyzed all the trial points.

All 8 local solver runs converged with a positive local solver exit flag.

x =

-0.0898 0.7127

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