```matlab
FitnessFcn = @dejong2fcn;
numberOfVariables = 2;

options = optimoptions(@ga,'PlotFcn',{@gaplotbestf,@gaplotstopping});

rng default

fminuncOptions = optimoptions(@fminunc,'PlotFcn',
{'optimplotfval','optimplotx'});
options = optimoptions(options,'HybridFcn',{@fminunc, fminuncOptions});

[x,fval] = ga(FitnessFcn,numberOfVariables,[],[],[],[],[],[],[],options)
```

Optimization terminated: average change in the fitness value less than options.FunctionTolerance.

Local minimum found.

Optimization completed because the size of the gradient is less than the value of the optimality tolerance.
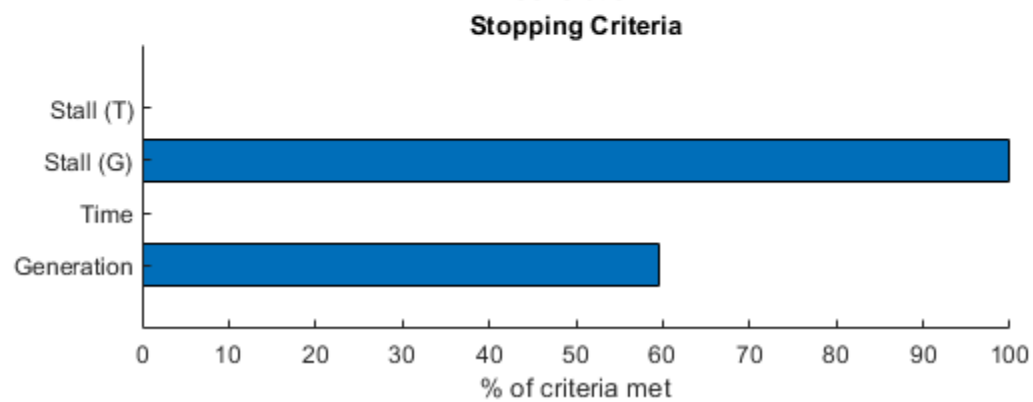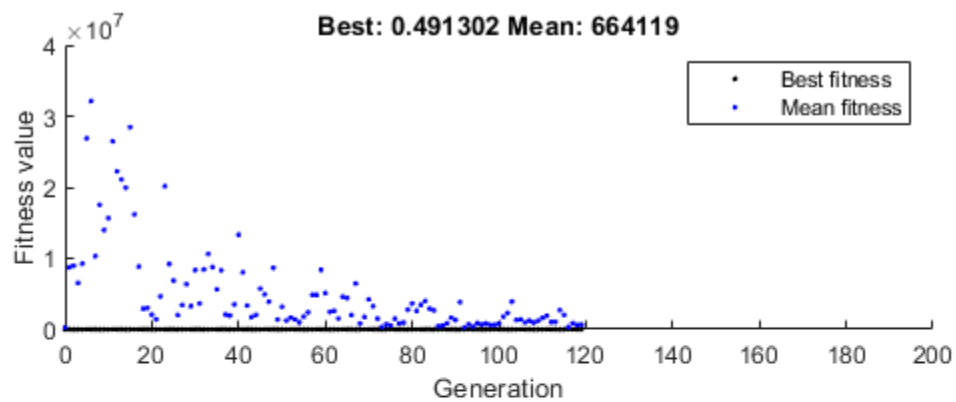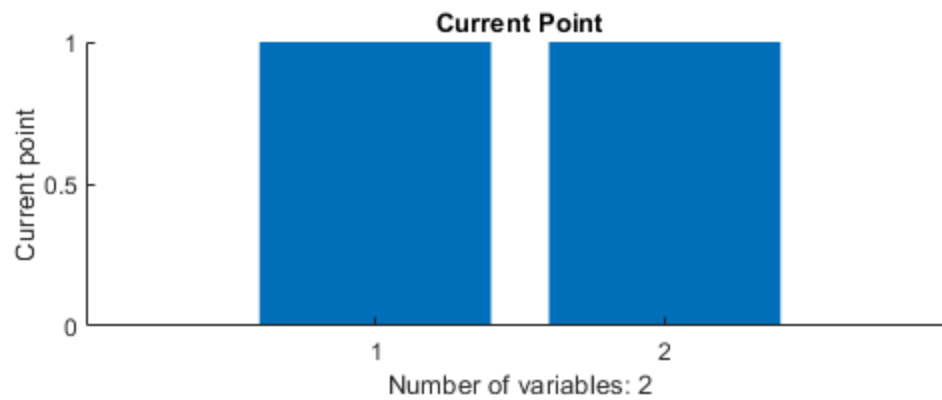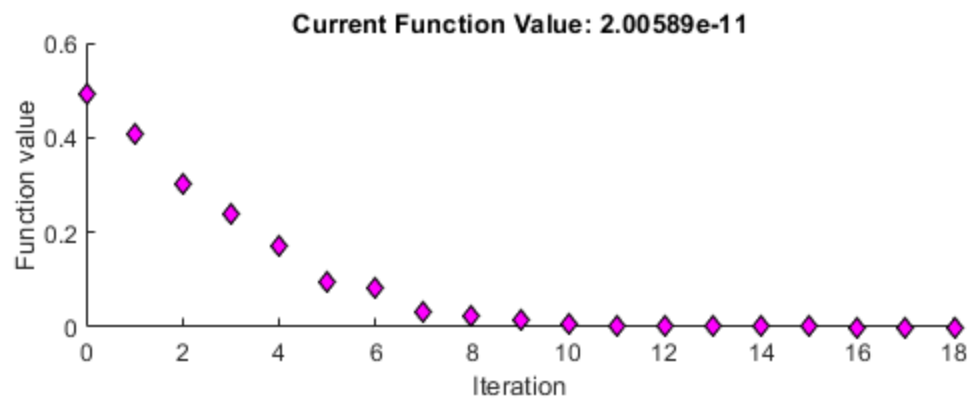

x =

    1.0000   1.0000

fval =

   2.0059e-11

Current Function Value: 2.00589e-11

Current Point

Number of variables: 2

Best: 0.491302 Mean: 664119

Stopping Criteria

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