Test harness for CRCBPSO using ackley function

The fitness function called is crcbpsoackleyfunc.

Call PSO.

```
rng('default')
psoOut = crcbpso(fitFuncHandle,2);
```

Estimated parameters

Best standardized and real coordinates found.

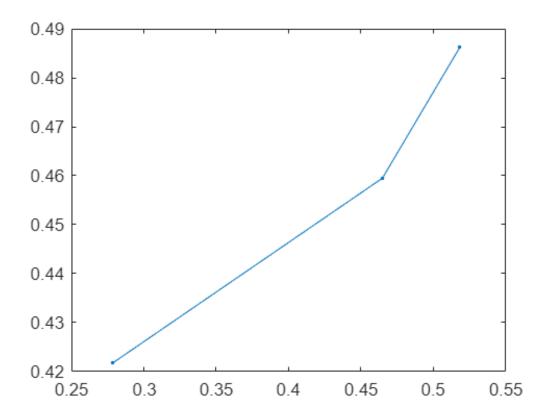
```
stdCoord = psoOut.bestLocation;
[~,realCoord] = fitFuncHandle(stdCoord);
disp(['Best location:',num2str(realCoord)]);

Best location:0 0

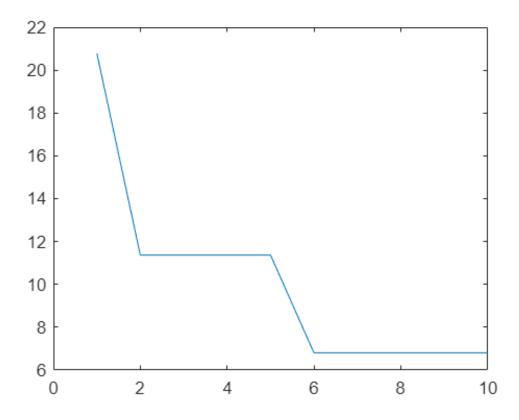
disp(['Best fitness:', num2str(psoOut.bestFitness)]);

Best fitness:1.667
```

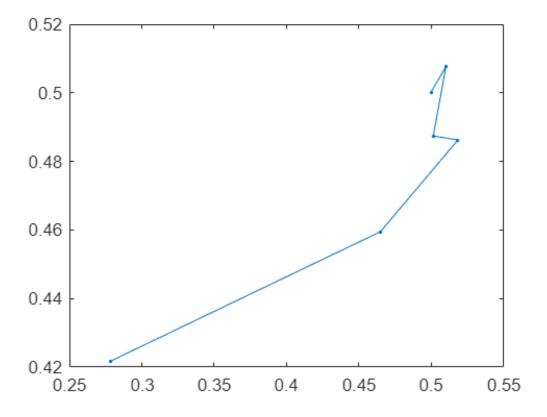
Call PSO with optional inputs



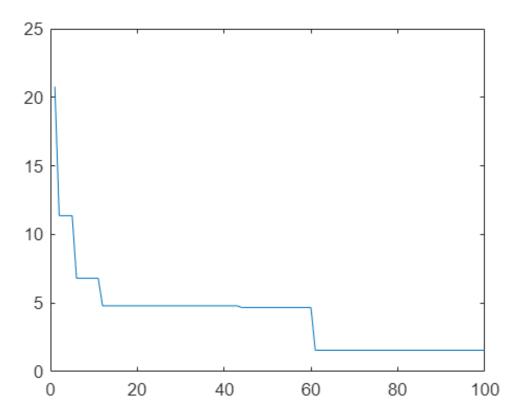
figure;
plot(psoOut.allBestFit);



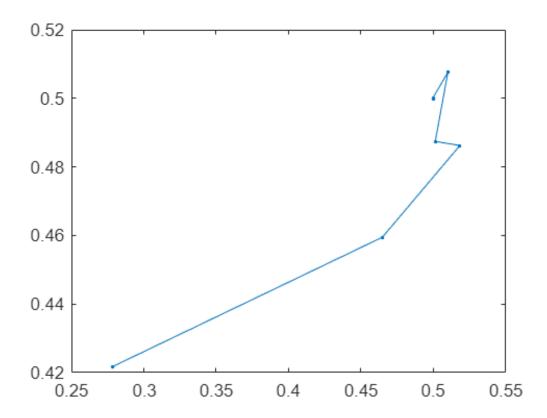
I also tried this with 100 max steps, each one showing a higher number of steps needed before finding the best fit location.



```
figure;
plot(psoOut.allBestFit);
```



And again, with 1000 max steps.



figure;
plot(psoOut.allBestFit);

