```
% The optimizer
optim         = 2;          % 1 for the CMAES
                            % 2 for a gradient based optimizer
                            % 3 for the simple algorithm by Nelder-Mead.
numOptimStep1 = 2;          % Number of optimizations in step 1
numOptimStep2 = 2;          % Number of optimizations in step 1
MaxIter       = 5000;       % Max number of iterations for the optimizer
MaxEvals      = 5000;       % Max number of function evaluations for the optimizer
TolFun        = 1D-6;       % Function tolerance at the objective function
TolX          = 1D-6;       % Function tolerance for the coefficients
PopSize       = 50;         % Number of draws per generation i.e. lambda in the CMAES
```