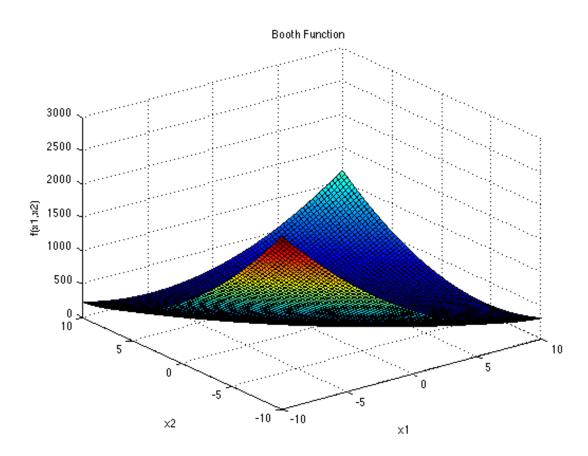
Results

Note that:

• No. of iterations: 300

• No. of runs: 20

Fitness function: f (X₁, X₂) where,



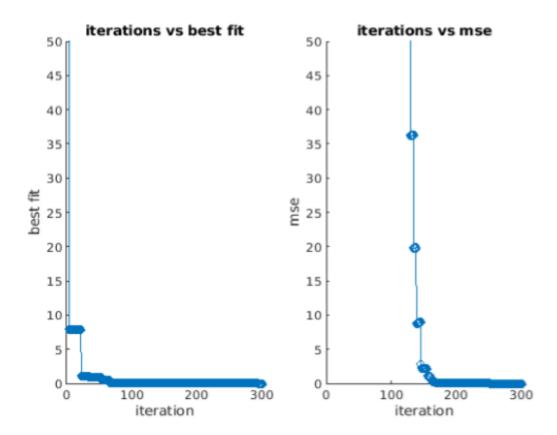
$$f(X_{1,}X_{2}) = (X_{1}+2X_{2}-7)^{2} + (2X_{1}+X_{2}-5)^{2}$$

$$X_i \in$$
 [-10, 10], for all i = 1, 2

Global minimum at:

$$f(X_{1,}X_{2}) = 0$$
 where $X_{1} = 1$ and $X_{2} = 3$

1. Iterations vs Best fit and Iterations vs MSE of the current run



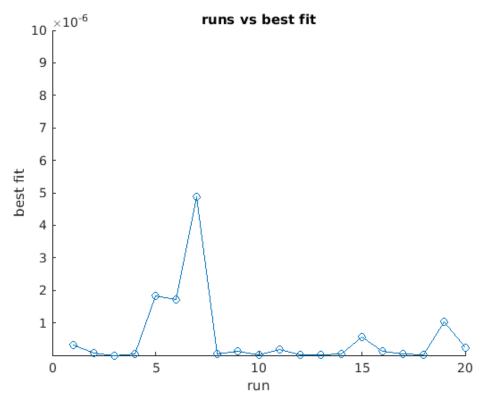
Best output of the current run:

• Best fit: 2.4168e-07

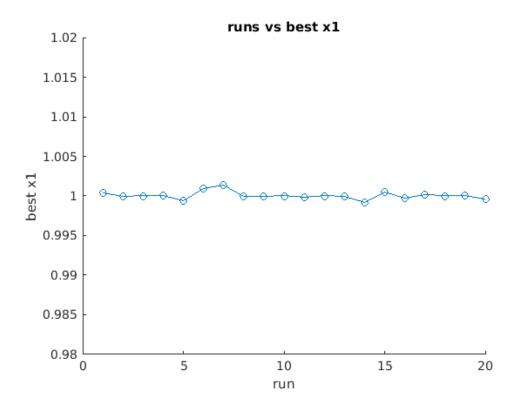
• X1: 0.99979

• X2: 3

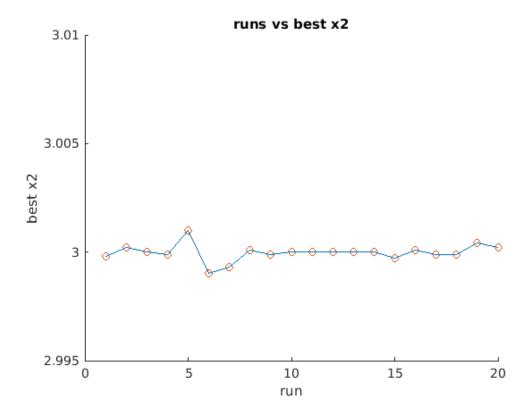
2. Runs vs Best fit



3. Runs vs Best X1



4. Runs vs Best X2



5. Runs vs Time

