

Ques 2: Fminsearch\

>> fminsearch_plot

Initialcondition1

x0 = -1 -5

x = 1.0000 1.0000

fval = 1.7660e-10

Initialcondition2

x0 = -1.2000 2.0000

x = 1.0000 1.0000

fval = 1.9151e-10

Initialcondition3

x0 = 18 -30

x = 1.0000 1.0000

fval = 1.7166e-10

Initialcondition4

x0 = 35 -20

x = 1.0000 1.0000

fval = 5.1311e-10

Initialcondition5

x0 = 10 40

x = 1.0000 0.9999

fval = 5.3652e-09

