

Problem (d)

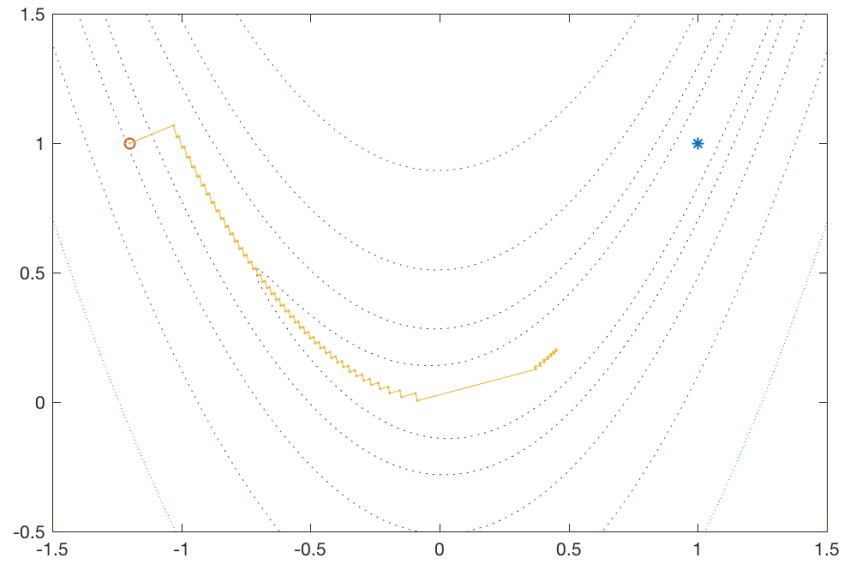


Figure 4: Steepest descent with 100 iterations

Problem (g)

The algorithm took 1884 steps and terminated with $\|x - x^*\| = 0.086224$.

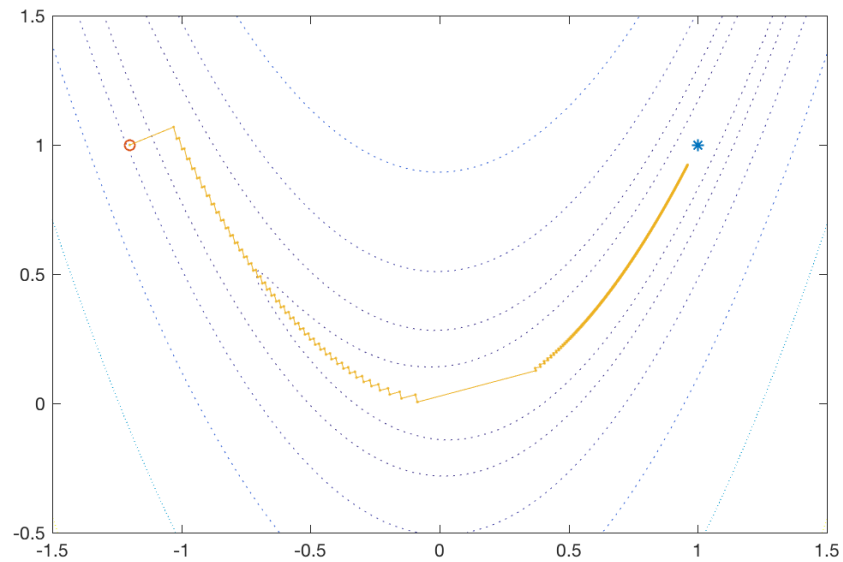


Figure 5: Steepest descent with infinite iterations

Problem (h)

The algorithm took 25678 steps and terminated with $\|x - x^*\| = 0$.

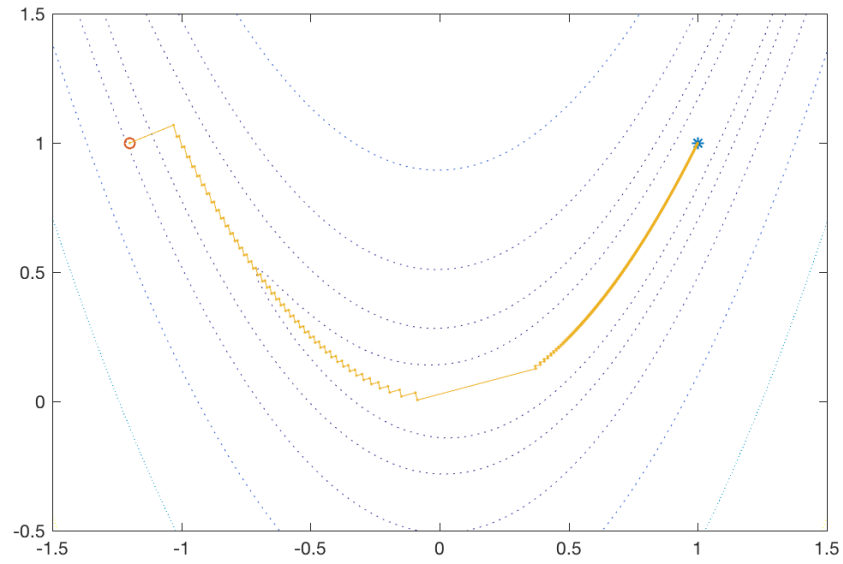


Figure 6: Steepest descent with infinite iterations and small tolerance