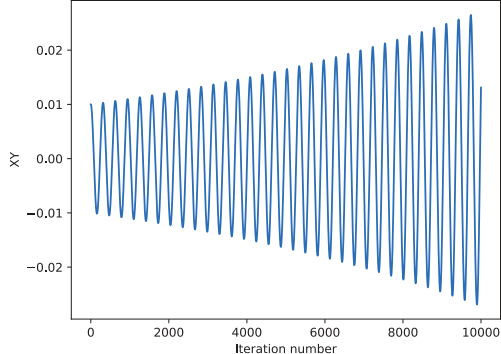


(a)



(b)

Fig. 1: Performance of gradient method with fixed step size for Example 2. (a) illustrates the choices of x and y as iteration processes, the red point $(0.1, 0.1)$ is the initial value. (b) illustrates the value of xy as a function of iteration numbers.