

Effect of Step Size

Iteration k = 5

$$\alpha_1 = 0.005$$

$$\alpha_2 = 0.200$$

$$\alpha_3 = 0.900$$

$$\alpha_4 = 1.0200$$

$$x^* = 0.0$$

$$x_5 = -3.970$$

$$x_5 = -0.536$$

$$x_5 = -1.693$$

$$x_5 = -4.835$$

