

Fig. 1 Mean in buffer 1

Parameters

$$\lambda_1^* = [0 \ 2 \ 0 \ 2]$$

$$\lambda_2^* = [0 \ 0 \ 2 \ 2]$$

$$\mu = [1 \ 1 \ 1 \ 1]$$

$$\sigma_i = \frac{\beta_i}{\alpha_i + \beta_i} = 0.4$$

$$\kappa = \frac{1}{\alpha_i} + \frac{1}{\beta_i} \text{ varies from 10 till 200}$$

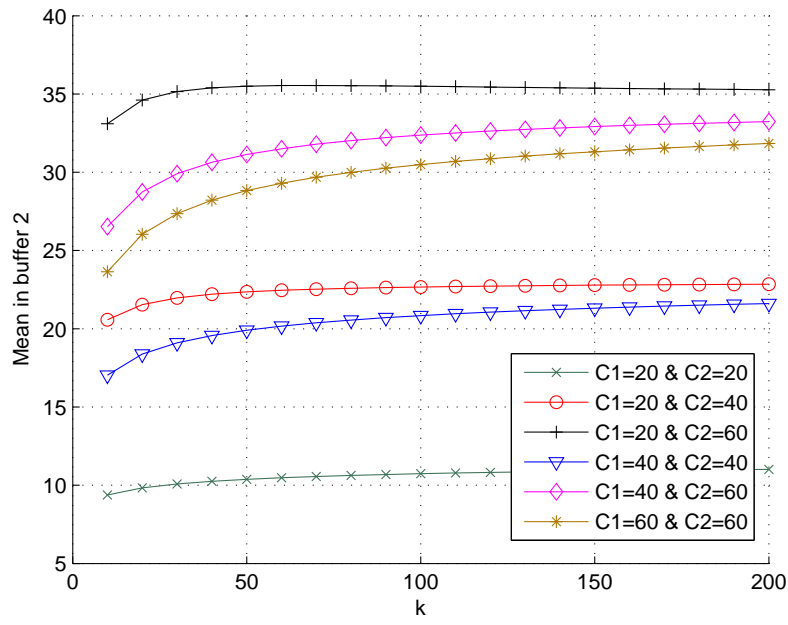


Fig. 2 Mean in buffer 2

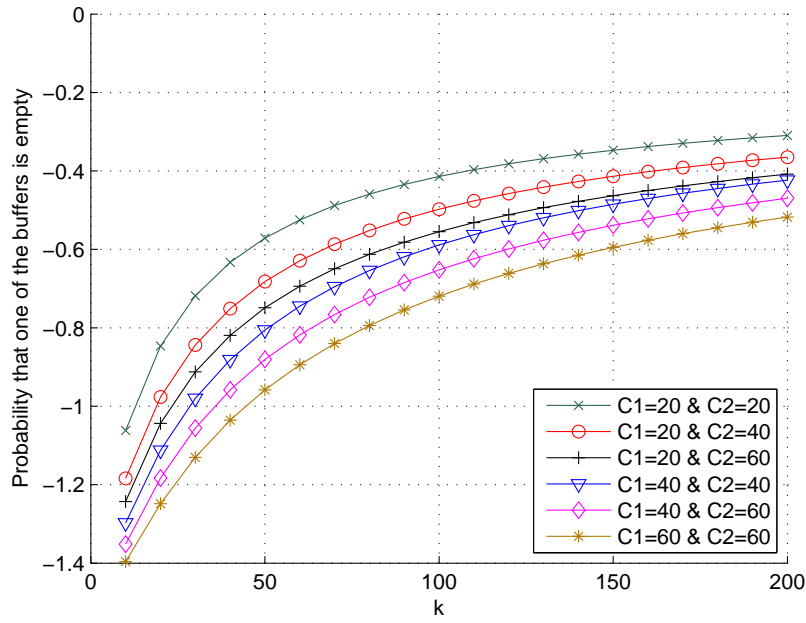


Fig. 3 Probability that one of the buffers is empty

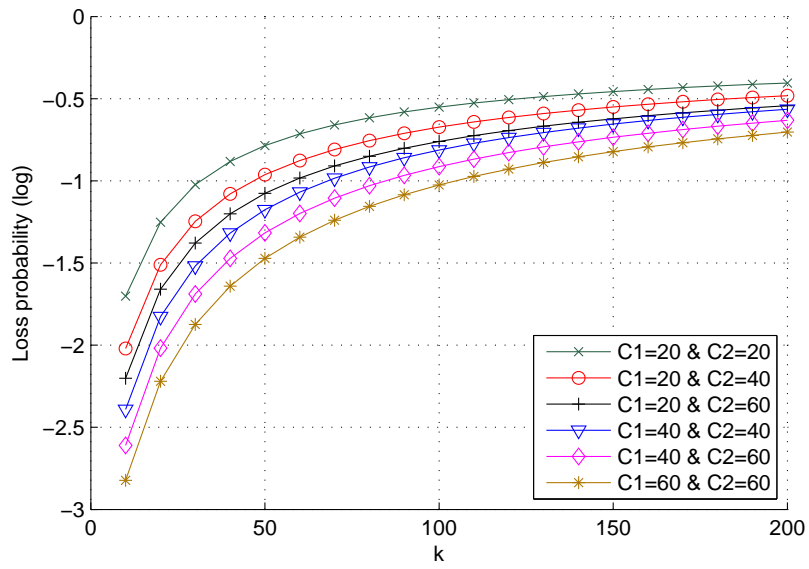


Fig. 4 Loss Probability for the third model