

Homework 5.2: Coincident spiking probability

Coincident spiking probability

1/1 point (graded)

Suppose that a Poisson neuron with a constant rate of 20 Hz emits in a trial of 5 second duration 100 spikes at times $t^{(1)}, t^{(2)}, \dots, t^{(100)}$. The experiment is repeated such that a second spike train with a duration of 5 seconds is observed.

What is the approximate percentage of spikes that coincide between the first and second trial with a precision of $\pm 2\text{ ms}$?

☐ 2%☐ 4%☒ 8%☐ 12%☐ 16%☐ 18%

You have used 1 of 1 attempt

Discussion

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