Computational Neuroscience Coursework 1
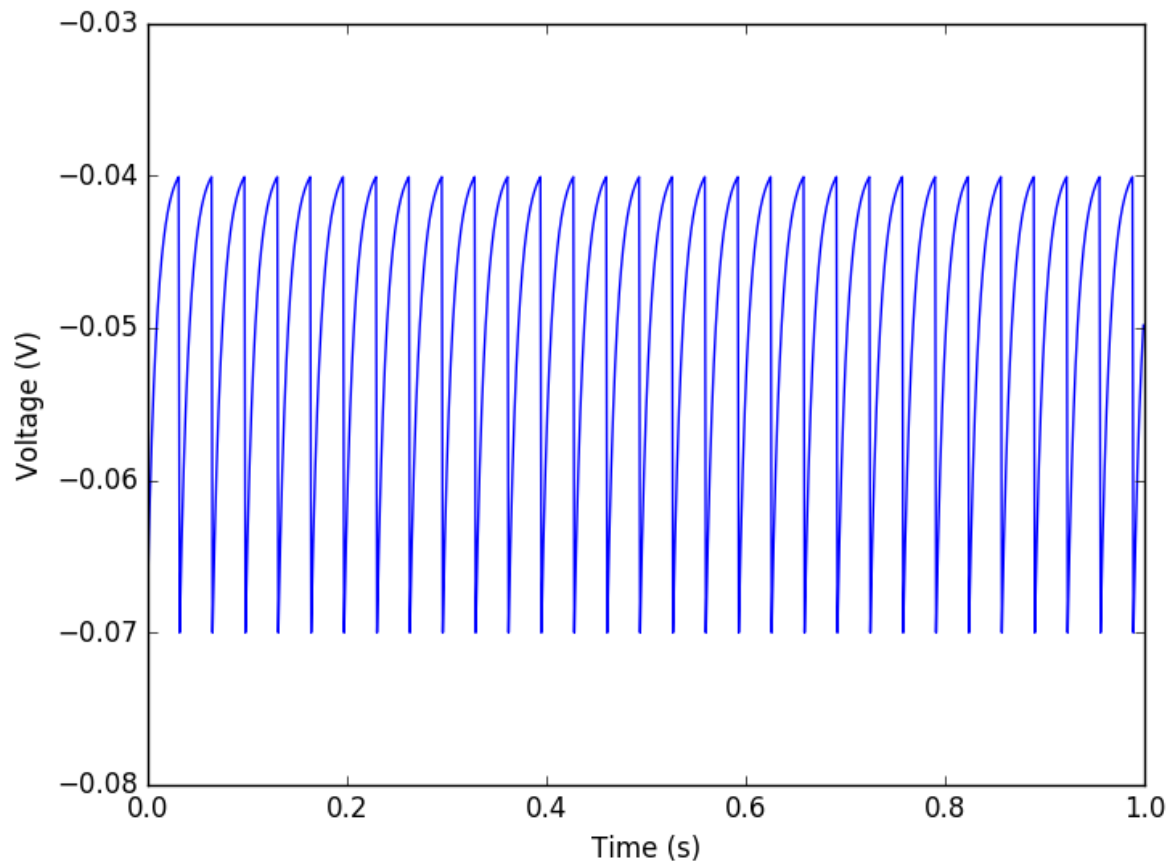
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Question 1

Figure 1: Internal neuron voltage against time for simulating a single neuron, showing thirty spikes over the course of 1 s.
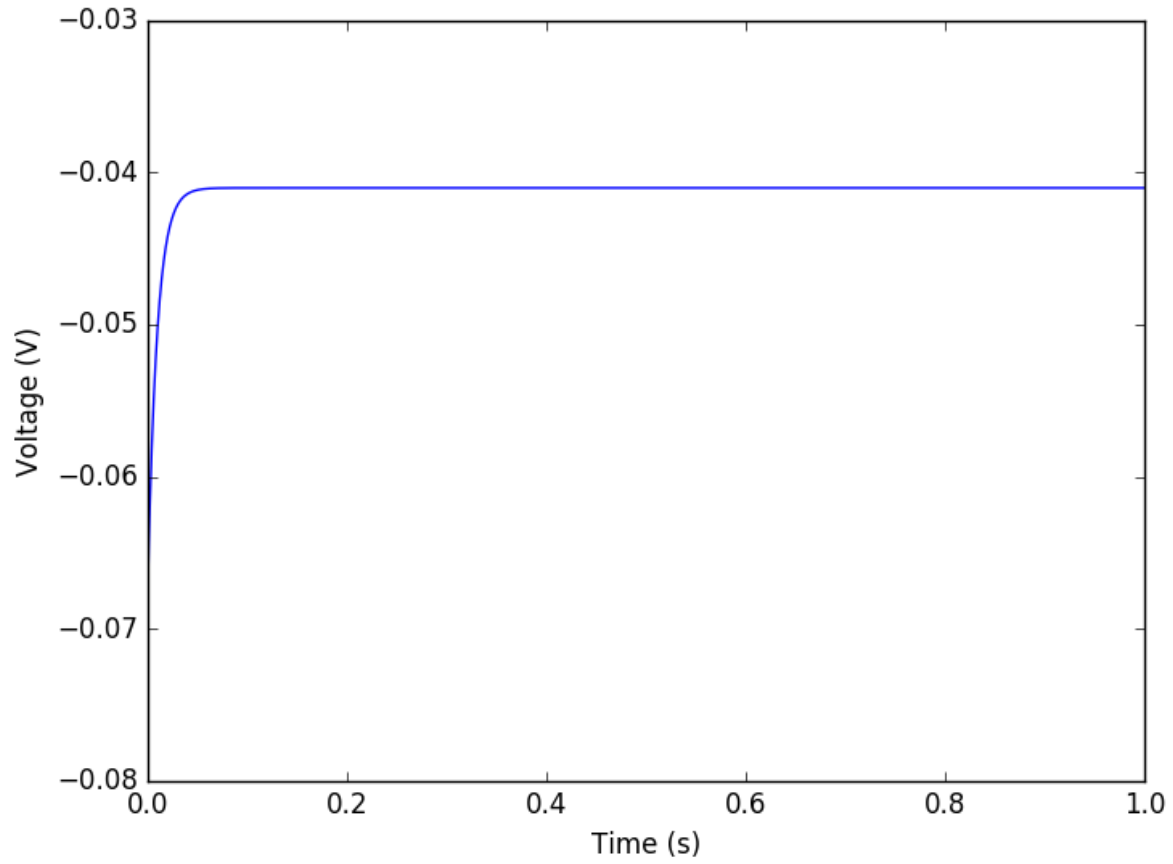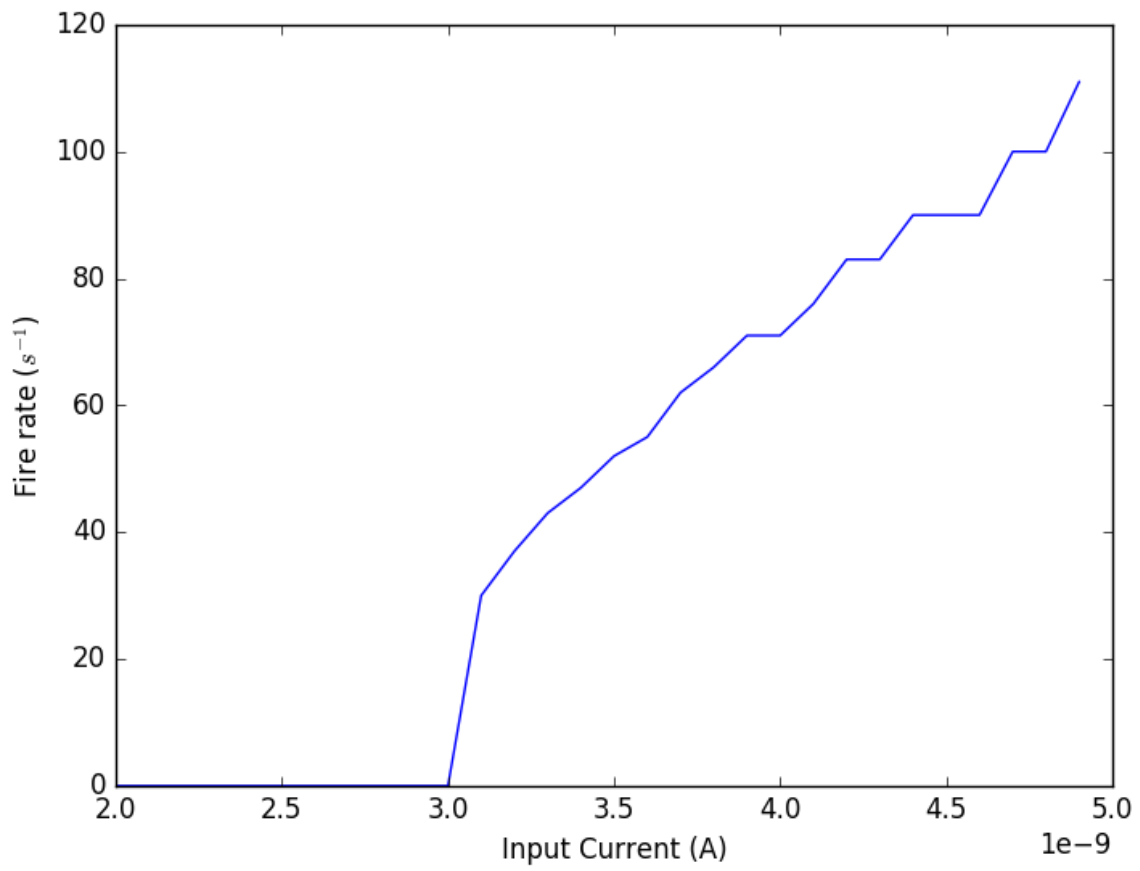
Question 2

Question 3

Figure 2: Simulation of a neuron for 1 s with an input current of amplitude I_e which is 0.1 [nA] lower than the minimum current computed in question 2.

Question 4

Question 5

Question 6

Question 7

References