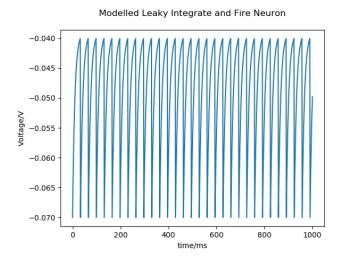
Computational Neuroscience Leaky Integrate and Fire

David Sharp: ds16797: Candidate 36688

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1 Question One

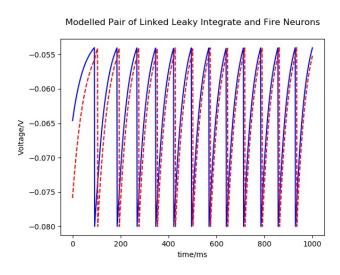
Modelled Leaky Integrate and Fire neuron



2 Question Two

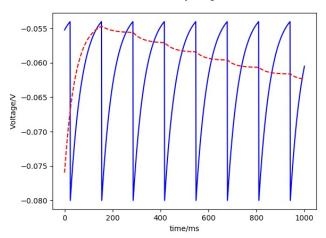
Modelled pair of leaky integrate and fire neuron with linked synapses

2.1 Excitatory Pair



2.2 Inhibitory Pair

Modelled Pair of Linked Leaky Integrate and Fire Neurons



3 Question Three

3.1 Part 3

Modelled firing rates for variable input current

Firing Rate of LINF neuron with variable Input Current

