Lab Report FP09: Neuromorphic computing

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1 Theoretical Foundations

1.1 Investigating A Single Neuron

1.2 Calibrating Neuron Parameters

1.3 A Single Neuron with Synaptic Input

1.4 Short Term Plasticity

1.5 Feed-Forward Networks

1.6 Recurrent Networks

1.7 A Simple Computation - XOR

2 Experimental Procedure

2.1 Investigating A Single Neuron

2.2 Calibrating Neuron Parameters

2.3 A Single Neuron with Synaptic Input

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3 Experimental Procedure

4 Results

4.1 Investigating A Single Neuron

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6 Discussion