Assignment 5

for NeuroComputing/ Theoretical Neuroscience 2013

Use the program IzhikevichRanNet.m and study the response of the network when modulating the strength of input to this network. Plot the response curve. What is the threshold for a response and how much is the maximal average response of a neuron in this network in Hz.

(5 marks)

Send the answer to the question in the body of your email and attach a figure of the response curve as well as your program to the email. Submit to prof6508@cs.dal.ca with subject line A5 by Thursday, Feb 21, before 4pm.