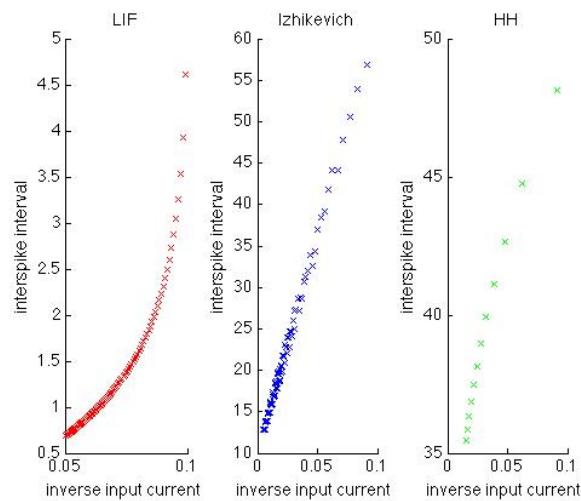# Assignment 3

for NeuroComputing/ Theoretical Neuroscience 2014

1. Implement a fast-spiking Izhikevich neuron and determine it's firing threshold.

2. Calculate the (average) interspike interval for three different spiking neuron models (LIF, Izhikevich and HH) and plot their respective scaling with respect to changes in the input current. My test results are shown below.

Send your answers (the number for the threshold and the figure for question 2) to prof6508@cs.dal.ca with subject line A3. This assignment must be received on Thursday, Feb 6, before 4pm.