Additional Material for *Laboratory Assignment 1*

Values of parameters for the Izhikevich model in correspondence of the 20 neuro-computational features

Tonic Spiking
a=0.02; b=0.2; c=-65; d=6;

Phasic Spiking
a=0.02; b=0.25; c=-65; d=6;

Tonic Bursting
a=0.02; b=0.2; c=-50; d=2;

Phasic Bursting
a=0.02; b=0.25; c=-55; d=0.05;

Mixed Mode
a=0.02; b=0.2; c=-55; d=4;

Spike Frequency Adaptation
a=0.01; b=0.2; c=-65; d=8;

Class 1
a=0.02; b=-0.1; c=-55; d=6;

Class 2
a=0.2; b=0.26; c=-65; d=0;

Spike Latency
a=0.02; b=0.2; c=-65; d=6;

Subthreshold Oscillations
a=0.05; b=0.26; c=-60; d=0;

Resonator
a=0.1; b=0.26; c=-60; d=-1;

Integrator
a=0.02; b=-0.1; c=-55; d=6;

Reboud Spike
a=0.03; b=0.25; c=-60; d=4;

Reboud Burst
a=0.03; b=0.25; c=-52; d=0;

Threshold Variability
a=0.03; b=0.25; c=-60; d=4;

Bistability
a=0.1; b=0.26; c=-60; d=0;

Depolarizing Afterpotential
a=1; b=0.2; c=-60; d=-21;

Accomodation
a=0.02; b=1; c=-55; d=4;

Inhibition-induced Spiking
a=-0.02; b=-1; c=-60; d=8;

Inhibition-induced Bursting
a=-0.026; b=-1; c=-45; d=-2;