Argument information for pyramidal neuron simulation

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public static void main(java.lang.String[] args)

throws java.io.IOException

**Parameters:**

args: - -alpha\_context followed by alpha value for contextual synapses: default 1000

args: - -alpha\_driver followed by alpha value for driving synapses: default 1000

args: - -alpha\_internal\_excitatory followed by alpha value for internal excitatory synapses: default 900

args: - -alpha\_internal\_inhibitory followed by alpha value for internal inhibitory synapses: default 200

args: - -apical\_gradient followed by apical gradient for apical dendrite: default 1

args: - -apical\_multiplier followed by apical multiplier for apical dendrite: default 1

args: - -axon\_threshold followed by axon threshold: default 1 (named pyr\_threshold)

args: - -c input spike file name, get file name for external contextual spike inputs

args: - -d followed by input spike file name, so get file name for external driving spike inputs

args: - -fileprefix followed by a string, to be prepended to file names: must be before other file names

args: - -i\_refractory\_period followed by inhibitory neuron refractory period: default 0

args: - -inhibitory\_threshold followed by inhibitory neuron threshold: default 1

args: - -n followed by network specifier

args: - -p\_refractory\_period followed by pyramidal neuron refractory period: default 0

args: - -s followed by sampling rate (defaults to 10000)

args: - -sout followed by spike output file name: will be csv, (neuron, time)

args: - -t followed by end time (defaults to 5.0)

args: - -t\_apical followed by time constant (tau) for basal dendrite: default 0.1

args: - -t\_basal followed by time constant (tau) for basal dendrite: default 0.1

args: - -t\_inhib followed by time constant (tau) for simple leaky compartment used in inhibitory neurons: default 0.2

args: - -wc followed by weight file for contextual inputs

args: - -wd followed by weight file for driving inputs

args: - -wi followed by weight and delay file for internal synapses