Neuron Parameters		
Spike threshold	u_{th}	20 mV
Reset potential	u_r	14 mV
Resting potential	u_{rest}	0 mV
Refractory period	t_{ref}	1 ms
Membrane capacitance	C_m	250 pF
Membrane time constant	τ_m	10 ms
Synaptic Parameters		
Synaptic rise time	τ_r	1 ms
Synaptic decay time	τ_d	1 ms
Synaptic weight	J	
Synaptic delay	d	2 ms
Input Parameters		
Inhibitory network		
Input, mean - I population	μ_I	14 mV
Input, variance - I population	σ_I	6 mV
Excitatory-Inhibitory network		
Input, mean - E population	μ_E	20.8 mV
Input, mean - I population	μ_I	16.5 mV
Input, variance - E population	σ_E	20.8 mV
Input, variance - I population	σ_I	16.5 mV
Network Parameters		
Inhibitory network		
Number of inhibitory neurons	N_I	10,000
Excitatory-Inhibitory network		
Number of excitatory neurons	N_E	8,000
Number of inhibitory neurons	N_I	2,000
Control Parameters		
Inhibitory network		
Control input	I_K	$0-300$ mV
Control delay, direct control	d_c	$0-30$ ms
Control delay, differential control	d_{c1}, d_{c2}	$0-30$ ms, 1 ms
Excitatory-Inhibitory network		2
Control gain	K	$0-300$ mV
Control delay, direct control	d_c	$0-30$ ms
Control delay, differential control	d_{c1}, d_{c2}	$0-30$ ms, 1 ms