

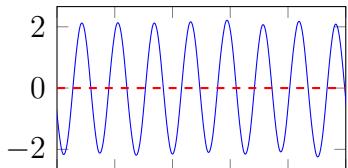
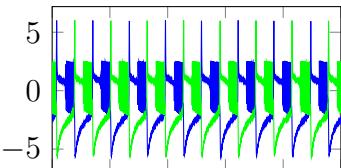
Neuron output [V]

 θ [rad]

No Feedback

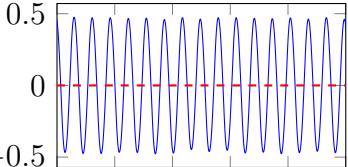
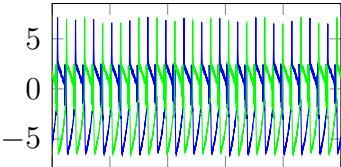
$$I_{app} = 0 \text{ A}, \tau_{max} = 10 \text{ N m}$$

$$g_{s-} = -4.8 \text{ S}, g_{u+} = 4.2 \text{ S}$$

Sinusoidal, $K_{feed} = 5$

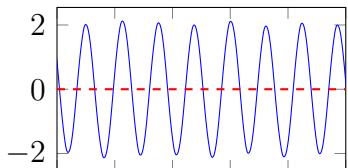
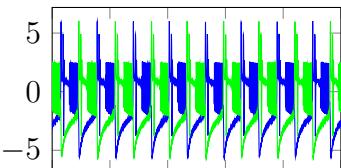
$$I_{app} = 0 \text{ A}, \tau_{max} = 10 \text{ N m}$$

$$g_{s-} = -4.8 \text{ S}, g_{u+} = 4.2 \text{ S}$$

Mixed, $K_{feed} = 5$

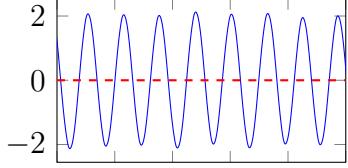
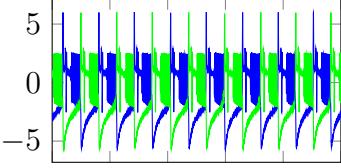
$$I_{app} = 0 \text{ A}, \tau_{max} = 10 \text{ N m}$$

$$g_{s-} = -4.8 \text{ S}, g_{u+} = 4.2 \text{ S}$$

Neuron, $g_{syn} = 3 \text{ S}$

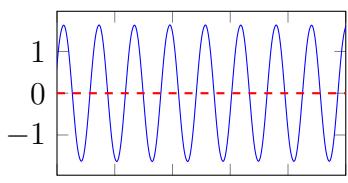
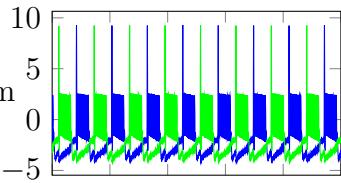
$$I_{app} = 0 \text{ A}, \tau_{max} = 10 \text{ N m}$$

$$g_{s-} = -4.8 \text{ S}, g_{u+} = 4.2 \text{ S}$$

Mixed, $K_{feed} = 5$

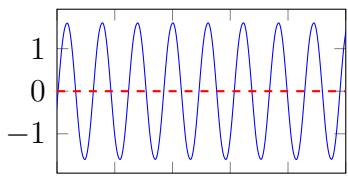
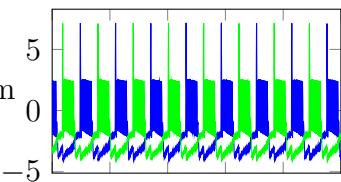
$$I_{app} = -2 \text{ A}, \tau_{max} = 10 \text{ N m}$$

$$g_{s-} = -4 \text{ S}, g_{u+} = 5 \text{ S}$$

Neuron, $g_{syn} = 3 \text{ S}$

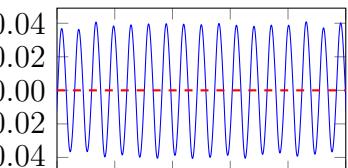
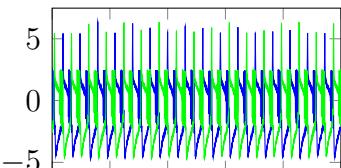
$$I_{app} = -2 \text{ A}, \tau_{max} = 10 \text{ N m}$$

$$g_{s-} = -4 \text{ S}, g_{u+} = 5 \text{ S}$$

Mixed, $K_{feed} = 5$

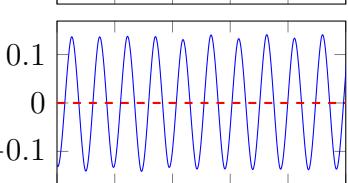
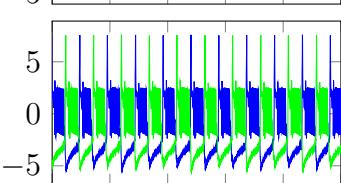
$$I_{app} = -2 \text{ A}, \tau_{max} = 1 \text{ N m}$$

$$g_{s-} = -4.5 \text{ S}, g_{u+} = 5 \text{ S}$$

Neuron, $g_{syn} = 3 \text{ S}$

$$I_{app} = -2 \text{ A}, \tau_{max} = 1 \text{ N m}$$

$$g_{s-} = -4.5 \text{ S}, g_{u+} = 5 \text{ S}$$



Time [s]

Time [s]