Cortex

w_{s1} w_t w_{s2}

Striatum D1   Subthalamic Nucleus   Striatum D2

$-w^-$ w^+ $-w_g$ $-w^-$

GPi $-w_e$ GPe

w_o

Thalamus

Inhibitory connection

Excitatory connection

$$w_{s1} = w_s \, (1 + \lambda_g) \qquad w_{s2} = w_s \, (1 - \lambda_e)$$
$$w_s = 1 \qquad w_t = 1$$
$$\lambda_g = \lambda_e = 0.2 \qquad w^+ = A^T \cdot Lmat \cdot A$$
$$-w^- = -1 \qquad -w_g = -1$$
$$-w_e = -0.3$$