

Descending Commands

Spinal-Like Controller (SLC)

Excitatory Synapses

Inhibitory Synapses

IN II

IN Ib

IN Ia

TS MN Pool

TA MN Pool

α

α

γ

γ

TS MTUs & Proprioceptors

TA MTUs & Proprioceptors

$L^{MT} \& m_x$

$L^{MT} \& m_x$

EMG

EMG

T_{TS}

T_{TA}

$T_m (x 2)$

T_A

Body Biomechanics

θ_A

θ_A

$-(K_A \cdot \theta_A + B_A \cdot \dot{\theta}_A)$

