
$$\dot{u}_i(t) = \frac{1}{\tau} \left[\overbrace{I\phi_i}^{\text{HebbianDrive}} - \overbrace{u_i(t)}^{\text{MembraneLeak}} - \overbrace{\sum_{m \neq i}^M \phi_i \phi_m^T T(u_m(t))}^{\text{Competition}} + \overbrace{\mathbf{I}T(u_i(t))}^{\text{SelfInteraction}} \right]$$