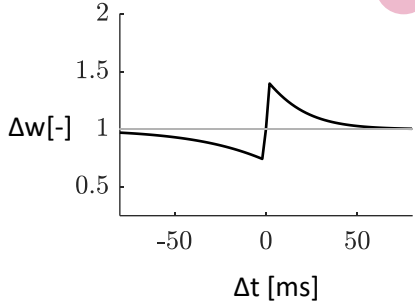
Model
Van Rossum et al. 2000

Region
Hippocampe

Bounds
Soft

Fit



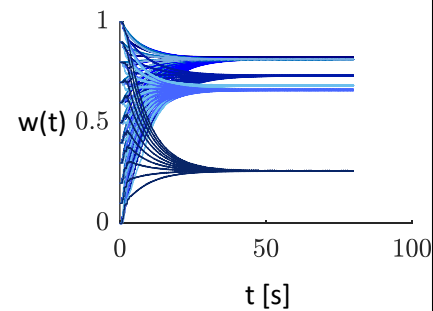
Equation

$$\frac{dx}{dt} = -\frac{x}{\tau_+} + \delta(t_{pre} - t) \qquad \frac{dx}{dt} = -\frac{x}{\tau_-} + \delta(t_{post} - t)$$

$$w_{updated} = w + A^+.(1 - w).x(t) \qquad if\ t = t_{post}$$
$$w_{updated} = w - A^-.w.y(t) \qquad if\ t = t_{pre}$$

$$\tau_w \frac{dw}{dt} = (w_{updated} - w)$$

Reset



Parameters

A^+ = 0.0096
A^- = 0.0053
τ_+ = 16.8
τ_- = 33.7