Ref	Region	Bounds
Pfister 2006	Hippocampe	Hard

Equation

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

$$\frac{dx_2}{dt} = -\frac{x_2}{\tau_x} + \delta(t_{pre} - t) \qquad \frac{dy_2}{dt} = -\frac{y_2}{\tau_y} + \delta(t_{post} - t)$$

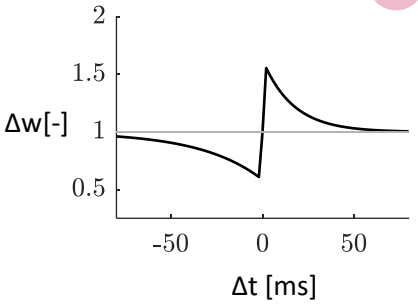
$$w_{updated} = w + x(t)(A_2^- + A_3^- y_2\ (t-\varepsilon)) \quad if\ t = t_{post}$$
$$w_{updated} = w - y(t)(A_2^+ + A_3^+ x_2\ (t-\varepsilon)) \quad if\ t = t_{pre}$$

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

Parameters

A_2^+ = 0	τ_+ = 16.8
A_2^- = 0.0071	τ_- = 33.7
A_3^+ = 0.0065	τ_x = 0
A_3^- = 0	τ_y = 40

Fit



Reset