

**Ref**  
Graupner 2016

**Region**  
Hippocampus

**Bounds**  
Soft

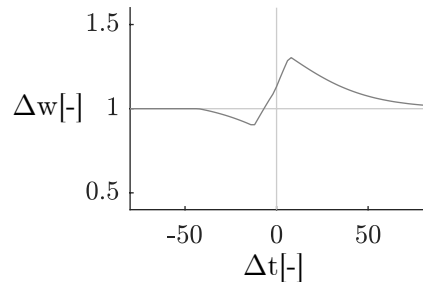
**Fit**

## Equation

$$\begin{aligned} [Ca] < \theta_d \quad \tau_w^0 \frac{dw}{dt} &= \Omega^0 - w \\ [Ca] \in [\theta_d, \theta_p] \quad \tau_w^d \frac{dw}{dt} &= \Omega^d - w \\ [Ca] > \theta_p \quad \tau_w^p \frac{dw}{dt} &= \Omega^p - w \end{aligned}$$

## Parameters

$$\begin{aligned} \tau_{Ca} &= 22.27212 & \theta_p &= 1.45 \\ C_{pre} &= 0.8441 & \theta_d &= 1 \\ C_{post} &= 1.62138 & \gamma_p &= 597.08922 \\ D &= 9.53709 & \gamma_d &= 137.7586 \\ \tau_w &= 520761.29 & \Omega^p &= \gamma_p / (\gamma_d + \gamma_p) \\ & & \Omega^d &= 0 \\ & & \Omega^0 &= 0 \\ & & \tau_w^p &= \tau_w / (\gamma_p + \gamma_d) \\ & & \tau_w^d &= \tau_w / \gamma_d \\ & & \tau_w^0 &= 0 \end{aligned}$$



**Reset**

