

$$\frac{I_{\text{Anahp}} \cdot I_{\text{Ca}}}{I_{\text{Anahp}}}$$

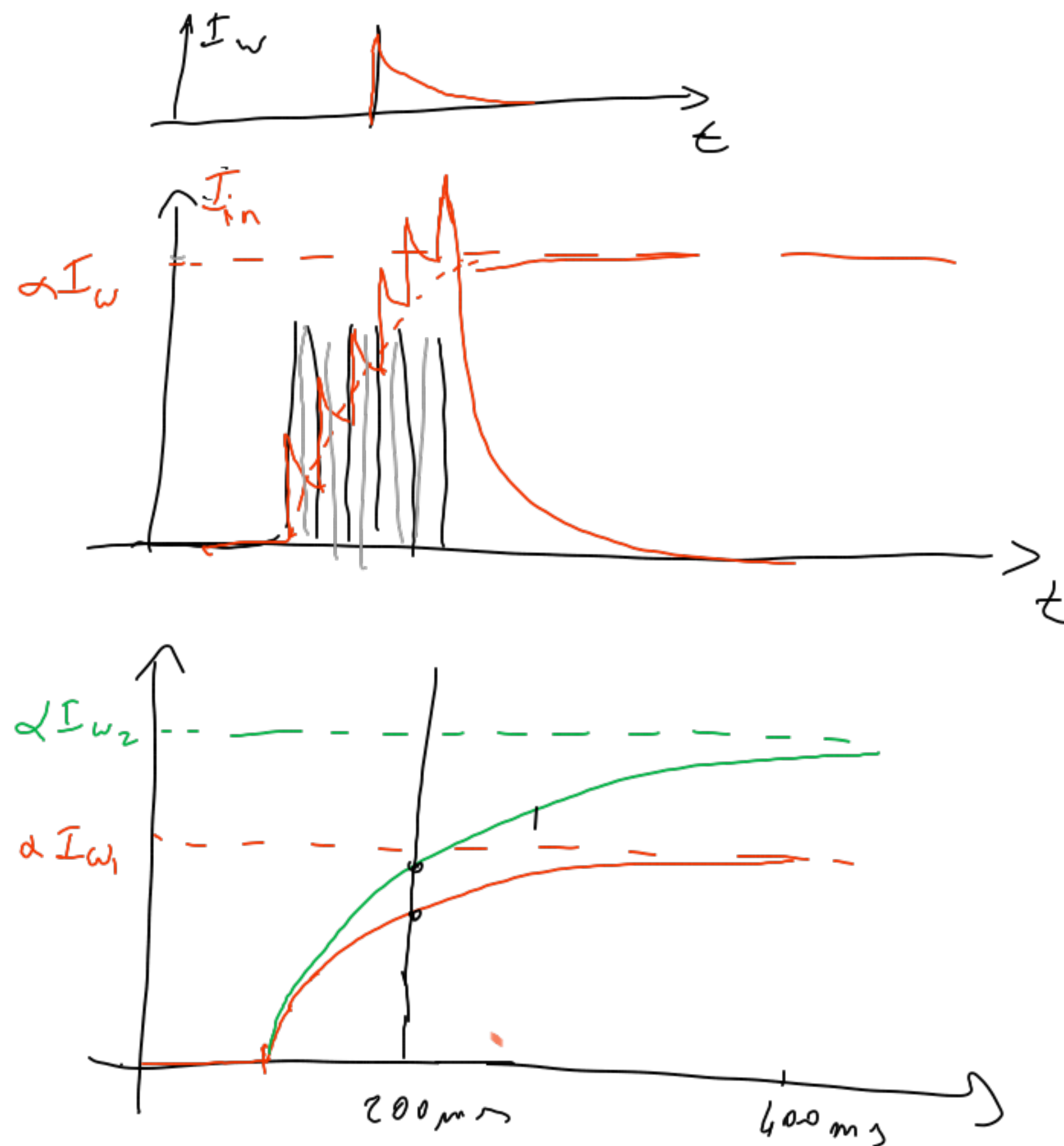
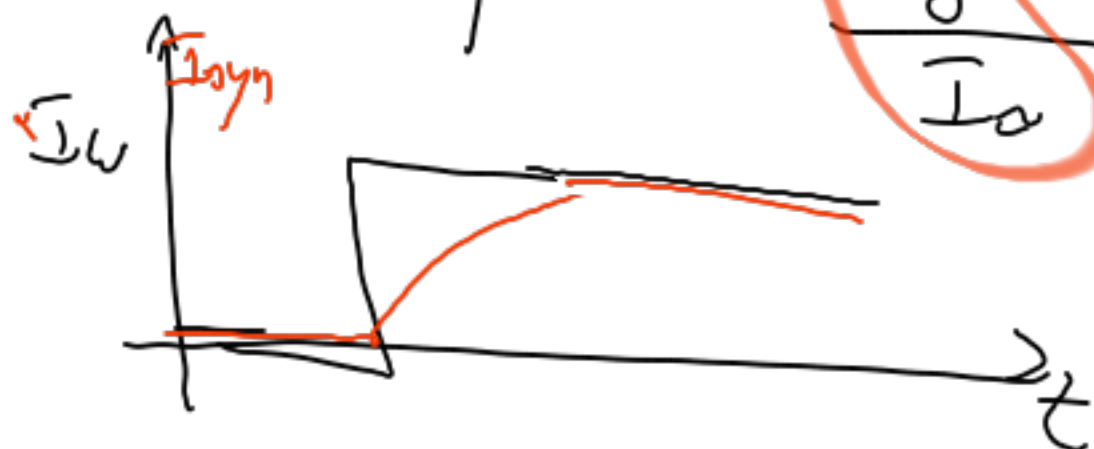
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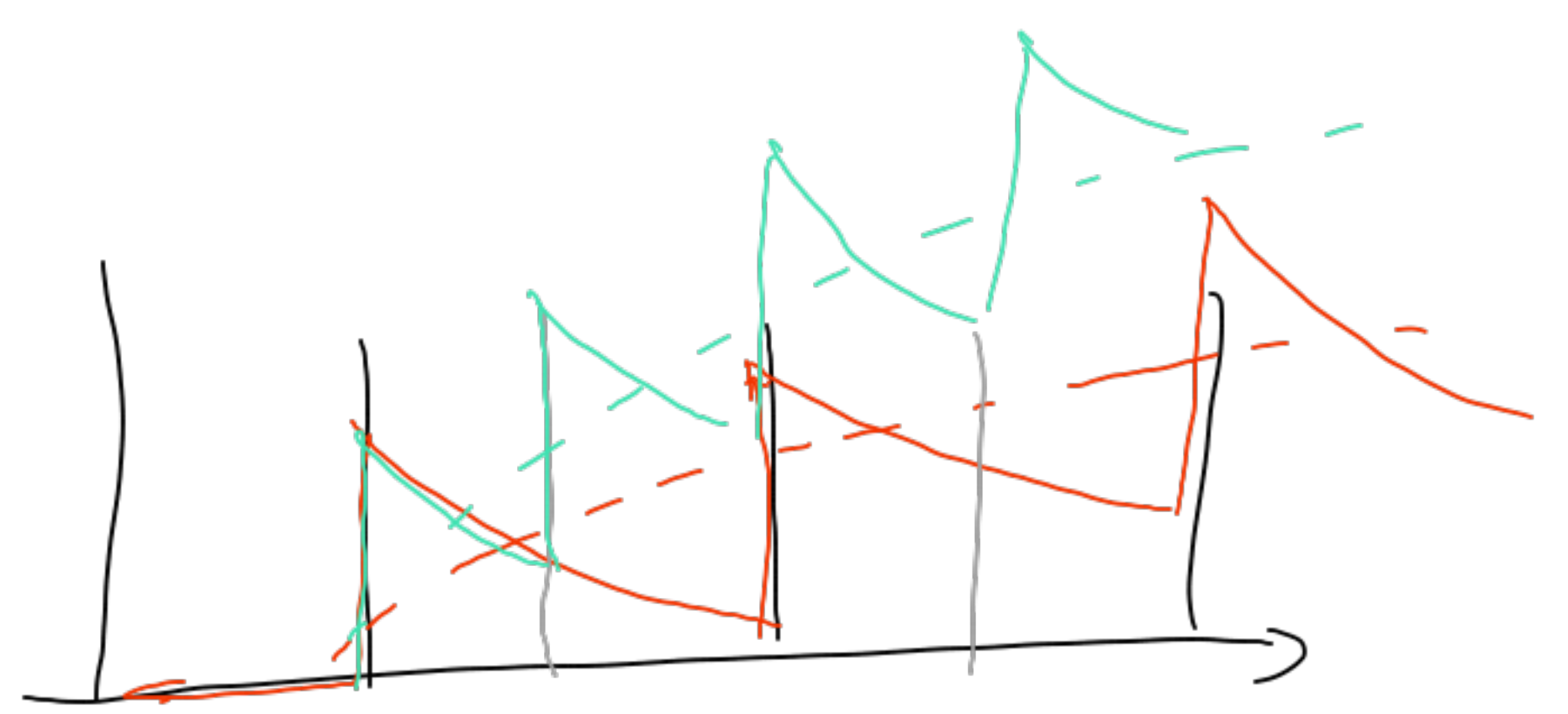
$$\tau \frac{d}{dt} I_{\text{syn}} + I_{\text{syn}} = \frac{I_g I_w}{I_{\tau}} = \alpha$$

$$\tau = \frac{C V_{\tau}}{\kappa I_{\tau}}$$

$$I_g = \alpha I_{\tau}$$

$$I_{\text{syn}}(t) = \frac{I_g I_w(t)}{I_{\tau}} \left( 1 - e^{-t/\tau} \right)$$

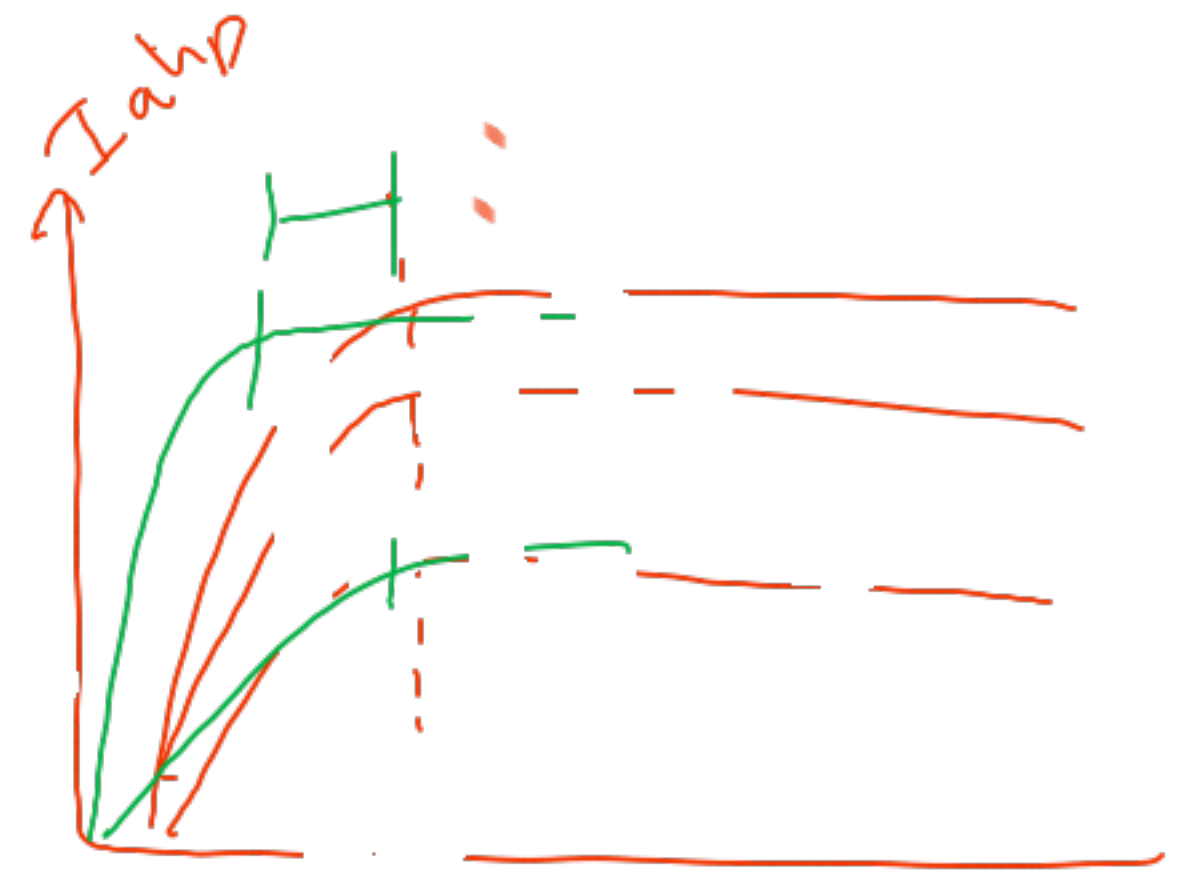




$$\tau_m \frac{d}{dt} I_{mem} + I_{mem} = \alpha I_w - \alpha I_{ahp} + f(I_{mem})$$

$$\tau_{ahp} \frac{d}{dt} I_{ahp} + I_{ahp} = \beta I_{ca}$$

$f'(I_{mem})$



$$\beta = \frac{I_{thahp}}{I_{cah}}$$

$$\alpha = \frac{I_{th}}{I_{ca}}$$

