$$\frac{dh}{dt} = \frac{\phi\,(h_\infty - h)}{\tau_h(V)}$$

$$h_\infty(V) = \frac{1}{1+\exp\left[(V-\Theta_h)/k_h\right]}$$

$$\tau_h(V) = h_\infty(V)\,\exp\left((V+162.3)/17.8\right) + 20$$

$$\tau_2 \simeq \lambda_2^{-1}\,\frac{1+K(1+K)}{(1+K)^2} = \lambda_2^{-1}\,\frac{1+K+K^2}{(1+K)^2} =$$

$$= \lambda_2^{-1}\,\frac{1+K+K^2}{1+K+K^2+K} = \lambda_2^{-1}\,\frac{h_\infty^{-1}}{h_\infty^{-1}+K} = \lambda_2^{-1}\,\frac{1}{1+h_\infty K} =$$

$$= \lambda_2^{-1}\,\frac{1}{1+h_\infty\left(\sqrt{h_\infty^{-1}-0.75}-0.5\right)} =$$

$$= \frac{\lambda_2^{-1}}{1+\sqrt{h_\infty - 0.75\,h_\infty^2}-0.5\,h_\infty}$$