

$$\frac{\partial E}{\partial t} = \frac{1}{\epsilon} G_{Na}(E_{Na} - E)\theta(E - E_*)h + \tilde{g}_2(E)n^4 + \tilde{G}(E) \quad (40a)$$

$$\frac{\partial h}{\partial t} = \frac{1}{\epsilon} F_h(\theta(E_{\dagger} - E) - h) \quad (40b)$$

$$\frac{\partial n}{\partial t} = F_n(\theta(E - E_{\dagger}) - n) \quad (40c)$$