



$$E_{Na})$$

$$g_K y_i (x_i - E_K)) / C, \\ f_2(x_i, y_i) = \\ (n_\infty(x) - y_i) / \tau,$$

$$\frac{m_\infty(x_i)}{n_\infty(x_i)} \\ \infty(x_i) = \frac{1}{1+\exp((x_{1/2,m}-x_i)/k_m)}, \\ n_\infty(x_i) = \frac{1}{1+\exp((x_{1/2,n}-x_i)/k_n)}.$$

$$\overline{0,16} \\ C = \\ 1/ \\ E_L = \\ -80g_L = \\ 8/ \\ E_{Na} = \\ 60 \\ g_{Na} = \\ 20/ \\ E_K = \\ -90 \\ g_K = \\ 10/ \\ x_{1/2,m} = \\ -20 \\ k_m = \\ 15 \\ x_{1/2,n} = \\ -25 \\ k_n = \\ 5 \\ I = \\ 2.0/$$

$$? \\ ? \\ \dot{x} \\ (x - E_{Na}) \\ \dot{y} \\ (x - E_K) >$$

$$0 \\ ? \\ I = \\ 2.0 \\ \epsilon_1 = \\ \epsilon_2 = \\ 0 \\ ? \\ \mathbf{x}_s^{\text{unc}}$$

$$W^s(\mathbf{x}_s^{\text{unc}}) \\ W^u(\mathbf{x}_s^{\text{unc}}) \\ x \\ \dot{x} = \\ y \\ \dot{y} = \\ 0 \\ W^s(\mathbf{x}_s^{\text{unc}})$$

$$ex- \\ citabil- \\ ity \\ re- \\ gion$$

2.0.pngPhase portrait of the excitable uncoupled units. The green dot represents the stable node of the system, the red dots represent

$$I = \\ 2.0 \\ I \\ ? \\ ? \\ ? \\ N = \\ 10 \\ N = \\ ? \\ ? \\ ? \\ ? \\ ? \\ ? \\ ? \\ ? \\ 10^{-9} \\ ?$$

$$?? \\ N = \\ 10 \\ ?? \\ x_i - y_i \\ k_1 =$$