Errata for "*An introduction to beta cell electrophysiology and modeling*, by L. S. Satin, M. Watts, and A. S. Sherman, in "Diabetes Systems Biology", A. Khadra, editor,

p. 2-4: the transmembrane potential should be $V_i - V_o$

p. 2-14, Eq. 2.26a should be:

$$m_\infty(V) = 0.5\left(1 + \tanh\left[\frac{V - V_1}{V_2}\right]\right)$$

p. 2-15, Eq. 2.26b should be:

$$n_\infty(V) = 0.5\left(1 + \tanh\left[\frac{V - V_3}{V_4}\right]\right)$$

p. 2-19, Eq. 2.29a should be:

$$C\frac{dV}{dt} = -\bar{g}_{Ca}m_\infty(V)(V - V_{Ca}) - \bar{g}_K n(V - V_K) - g_L(V - V_L) + I_{applied}$$

p. 2-20, Table 2.1: for Figure 2.8, I_{app}= 0, not 1000 fA

p. 2-20: Note that notation for $\varphi_n$was simplified to φ to avoid confusion with subscripts denoting partial derivatives.

p. 2-23, Eq. 2.33: the sign in front of $\bar{g}_{K(Ca)}$should be $-$

p. 2-24, Fig. 2.9 legend: in Panel D, the parameter values should be:

0.0332, 0.033, 0.0315, 0.028, 0.027, 0.026.

p. 2-27, Eq. 2.34: the signs in front of $\bar{g}_{K(Ca)}$ and $\bar{g}_{K(ATP)}$should be $-$

p. 2-29, Eq. 2.35: the signs in front of $\bar{g}_{K(Ca)}$ and $\bar{g}_{K(ATP)}$should be $-$