1. **Conductances of ion channels:**
   Sodium channel conductance: q_{Na} = 0,05 mSi/µF
   Potassium channel conductance: q_K = 5 mSi/µF
   Chloride channel conductance: q_{Cl} = 0,05 mSi/µF

2. **Na/K-ATPase constants:**
   Theoretically maximal Na/K-ATPase current: k = 13 pA/pF
   Na/K-ATPase sensitivity to sodium: w_{Na} = 0,025 l/mmol
   Na/K-ATPase sensitivity to potassium: w_K = 1 l/mmol

3. **Osmotic constants:**
   Plasma membrane hydraulic conductivity: $q_w = 1{,}7 \cdot 10^{-10}$ l/(Ns)

4. **Capacitor constants:**
   Relative electric field permittivity: ε_r = 5
   Plasma membrane thickness: d = 9 nm
   Plasma membrane surface area: $S = 1{,}534 \cdot 10^{-8}$ m^2
   Capacitance: $C = \varepsilon_0 \varepsilon_r S/d$

5. **Miscellaneous constants:**
   Temperature of the human cell *in vivo*: T = 310 K
   Extracellular fluid volume: $V_o = 5{,}182 \cdot 10^{-6}$ µl
   Intracellular fluid volume: $V_i = 25{,}84 \cdot 10^{-6}$ µl
   Time interval for numerical simulation: Δt = 0,35 ms

6. **Condition finishing the simulation:**

$$I_{Na} + I_K + I_{Cl} + I_{pump} < 10^{-20}\, mA$$