



$$C_{dl} = 10 \mu\text{F} / \text{cm}^2$$

$$I_1 = I_{s1}(e^{(V_1/V_{thr})} - 1) ; V_{thr} = +820\text{mV}; I_{s1} = 2 \mu\text{A} / \text{cm}^2$$

Reaction 2: Reduction of water (H_2 evolution): $2 \text{H}_2\text{O} + 2 \text{e}^- \leftrightarrow \text{H}_2 + 2\text{OH}^-$

$$I_2 = I_{s2}(e^{(V_2/V_{thr})} - 1) ; V_{thr} = -410\text{mV}; I_{s2} = 4 \mu\text{A} / \text{cm}^2$$