

لارجوس

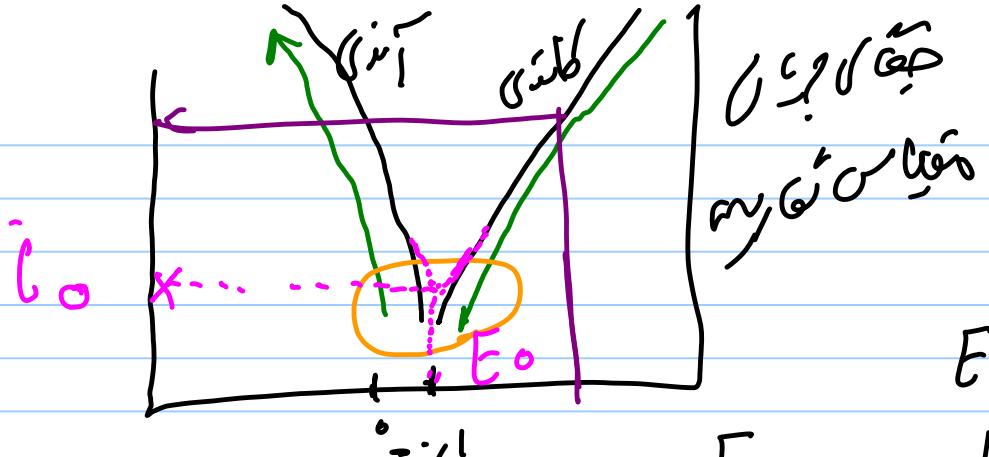
5/12/2020

خوارج پسندیده می‌شوند

$$i_{\text{net}} = i_2 - |i_1|$$

$$i_{\text{net}} = i_0 \left[e^{\frac{\alpha n f(E-E_0)}{RT}} - e^{\frac{-(1-\alpha) n f(E-E_-)}{RT}} \right]$$

$$i_{\text{net}} = i_0 \left[e^{\frac{-(1-\alpha) n f(E-E_-)}{RT}} - e^{\frac{\alpha n f(E-E_0)}{RT}} \right]$$



محلج بولار - وامر

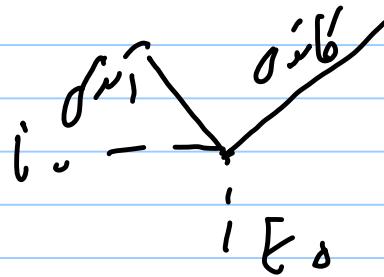
$$E_0 = -1 \text{ Vs SHE}$$

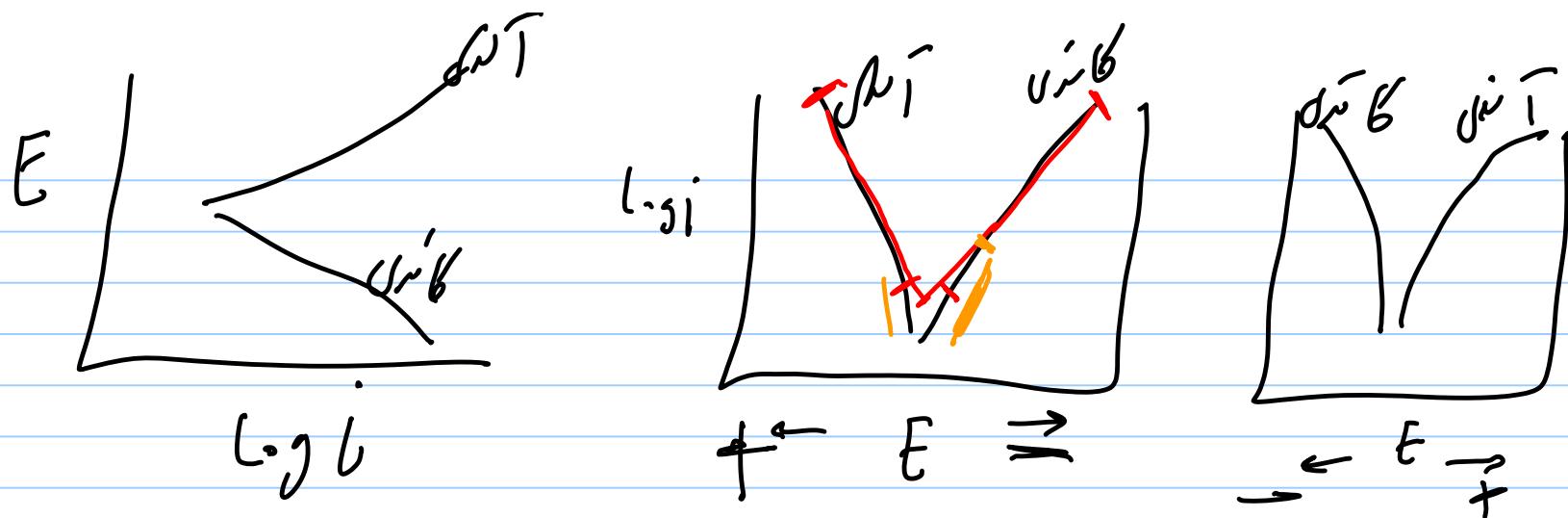
E

$$j_0 = 1$$

متناهی از مساحت

$$|j_{\text{total}}| = |j_{\text{net}}| = j_0$$





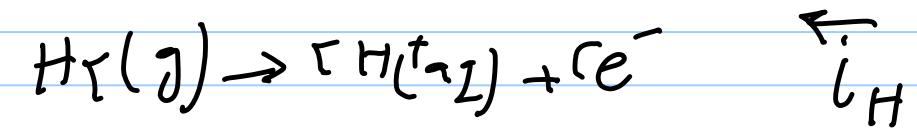
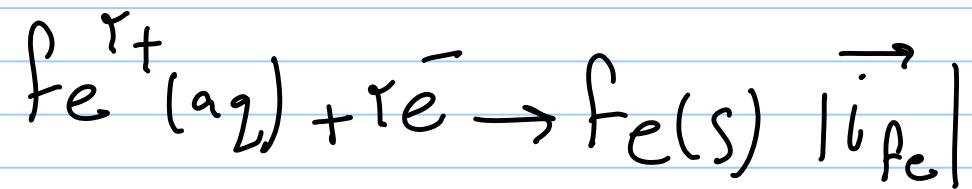
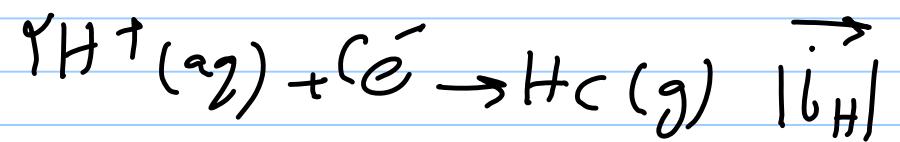
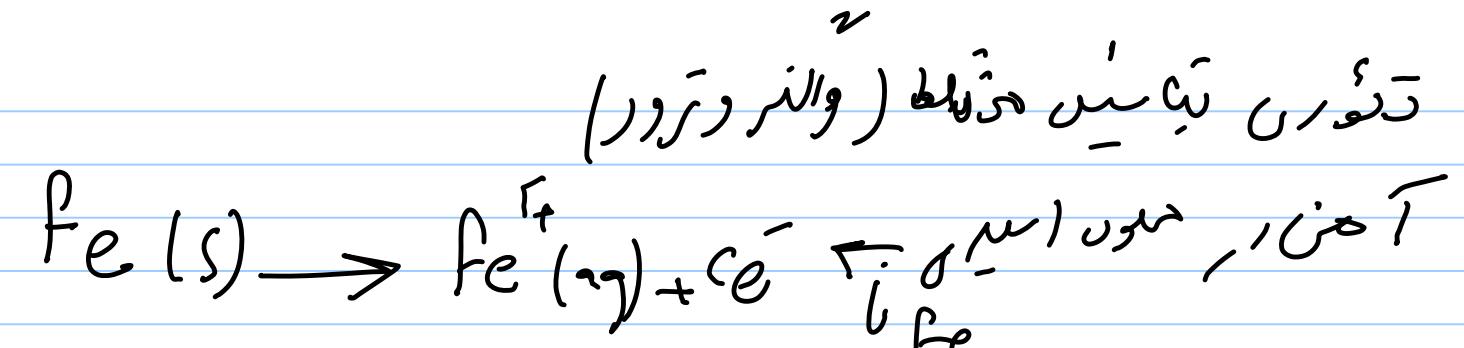
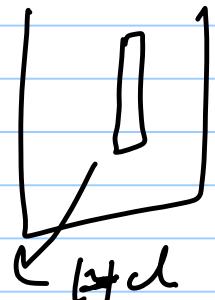
Tafel folgender \leftarrow bis \rightarrow reaktion

$$\left\{ \eta_a = b_a \log \frac{i}{i_0} \quad \eta_c = b_c \log \frac{i}{i_0} \right.$$

$\left. \begin{matrix} b_a = \frac{\gamma_1 \mu_r R T}{\alpha n F} = \frac{dE}{d \log i} \end{matrix} \right) \quad (\text{نیز خط طبعی})$

$$b_c = \frac{dE}{d \log i} = - \frac{\gamma_1 C_r K T}{(1-\alpha)nF} \quad (\text{نیز خط طبعی})$$

و امر رہنما



$$|\vec{i}_H| + |\vec{i}_{Fe}| = i_H + i_{Fe}$$

$$i_{Fe} \gg |i_{Fe}|$$

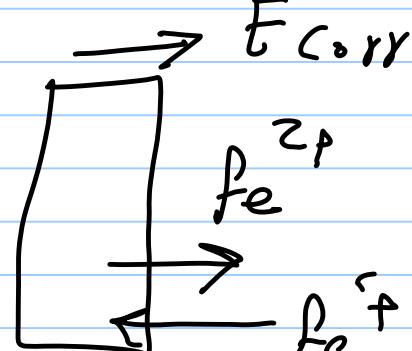
$$i_{Fe} - |i_{Fe}| = i_H - i_H = i_{corr}$$

qui est le

lorsque

lorsque

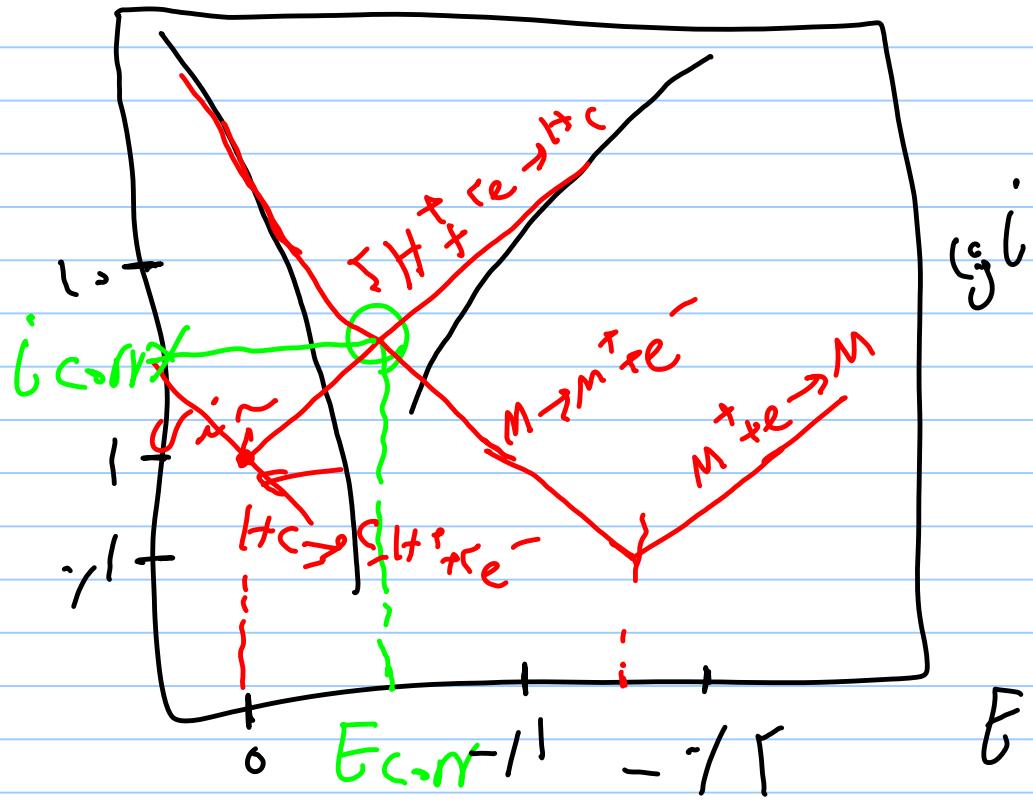
$$\frac{i_H + i_{Fe}}{i_{corr}}$$



Fe^4

$$\eta_a = b_a \log \frac{i_H + i_{Fe}}{i_{corr}}$$

$$\eta_c = b_c \log \frac{i_H + i_{Fe}}{i_{corr}}$$



(g)

$$i_0 = \gamma / M^{Cuc}$$

$$E_0 = -\gamma / qV$$

$$b_a = \gamma / qV$$

$$b_c = -\gamma / qV$$

$$i_0 = \ln A / (C_{un})^{1/2}$$

$$E_0 = 0$$

E_{corr}
 i_{corr}

