

Nernst Equation

$$\Delta G = \Delta G^{\circ} + RT \ln Q$$

$$\Delta G = -nF\xi_{\text{cell}}$$

non-standard

$$\Delta G^{\circ} = -nF\xi^{\circ}_{\text{cell}}$$

standard

$$\xi_{\text{cell}} = \xi^{\circ}_{\text{cell}} - \frac{RT}{nF} \ln Q$$