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Q Calculate the reduction potential  $\text{E}^\circ$  oxidation potential of  $\text{Cr} \left| \text{Cr}^{+3} \right.$  at  $25^\circ\text{C}$

$\text{E}^\circ_{\text{Cr}^{+3}/\text{Cr}} = -0.75\text{V}$

Q Calculate the emf of the cell ( $E_{\text{cell}}$ )

$\text{Zn} \left| \text{Zn}^{+2} \right. (0.1\text{M}) \parallel \text{Sn}^{+2} (0.001\text{M}) \left| \text{Sn}$

$T = 25^\circ\text{C} (298\text{K})$

$\text{E}^\circ_{\text{Zn}^{+2}/\text{Zn}} = -0.76\text{V}$  and  $\text{E}^\circ_{\text{Sn}^{+2}/\text{Sn}} = -0.14\text{V}$