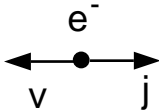
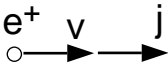


\mathcal{E} 

$$n = \frac{\# \text{ electrons}}{\text{volume}}$$

$$p = \frac{\# \text{ holes}}{\text{volume}}$$

$$\sigma = e(n\mu_n + p\mu_p)$$