$$\frac{d}{dx^{\mu}}\left(\frac{\partial \mathcal{L}}{\partial(\partial_{\mu}A\nu)}\right) - \frac{\partial \mathcal{L}}{\partial A_{\nu}} = 0$$

$$\frac{d}{dx^{\mu}}\left(\frac{\partial \mathcal{L}}{\partial(\partial_{\mu}A\nu)}\right) - \frac{\partial \mathcal{L}}{\partial(\partial_{\mu}A\nu)} = 0$$

$$\frac{d}{dx^{\mu}}\left(\frac{\partial \mathcal{L}}{\partial(\partial_{\mu}A\nu)}\right) - \frac{\partial \mathcal{L}}{\partial(\partial_{\mu}A\nu)}\left(\frac{\partial \mathcal{L}}{\partial(\partial_{\mu}A\nu)}\right) - \frac{\partial \mathcal{L}}{$$

$$-8c^{2}\partial_{\mu}F^{\mu\nu} = -J^{\nu}$$

$$\partial_{\mu}F^{\mu\nu} = \frac{1}{8c^{2}}J^{\nu}$$

$$\frac{1}{8c^{2}} = \frac{\mu_{0}}{8c^{2}} = \mu_{0}$$

$$\frac{1}{8c^{2}} = \frac{\mu_{0}}{8c^{2}} = \frac{1}{8c^{2}}J^{\nu}$$

$$\frac{1}{8c^{2}} = \frac{1}{8c$$