

$$m \frac{dw^\mu}{d\tau} = F^\mu + \frac{e^2}{6\pi\epsilon_0 c^3} \left[\frac{d^2 w^\mu}{d\tau^2} - \frac{dw^\nu}{d\tau} \cdot \frac{dw_\nu}{d\tau} \cdot w^\mu \right]$$

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