1 EMag

1.1 Formulae

- $E_x = \int \frac{1}{4\pi\varepsilon_0}\frac{1}{r^2}\mathrm{d}q = \int \frac{1}{4\pi\varepsilon_0}\frac{\lambda}{r^2}\mathrm{d}r$
- $i = I(1 - e^{-\tau/t})$
- $\tau_{\mathrm{RL}} = \frac{R}{L}$; $\tau_{RC} = RC$
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1.2 Notes

- Current/Charge is at max after 5 τ's