

TASASÄHKÖN JA MAGNETISMIN KAAVOJA

$$R = \frac{l}{A} \times \rho$$

$$C = \frac{A}{l} \times \varepsilon$$

$$L = k \times \mu_0 \frac{N^2 \times \pi \times d^2}{4 \times l}$$

$$R_2 = R_1 \times \{1 + \alpha \times (T_2 - T_1)\}$$

$$\varepsilon = \varepsilon_R \times \varepsilon_0$$

$$\mu = \mu_R \times \mu_0$$

$$\varepsilon_0 = 8,85 \times 10^{-12} \frac{As}{Vm}$$

$$\mu_0 = 4 \times \pi \times 10^{-7} \frac{Vs}{Am}$$

$$C = \frac{Q}{U} = \frac{I \times t}{U}$$

$$L = \frac{\phi}{I} = \frac{U \times t}{I}$$

$$B = \frac{\phi}{A}$$

$$B = \mu \times H$$

$$F_m = N \times I$$

$$F = B \times I \times l$$

$$E = B \times l \times v$$