



## Formúlur

$L$  = Span [H]

$$L = \frac{N^2 \cdot A \cdot \mu}{l} = [H]$$

$F_m$  = Ampervindingatala [A]

$$F_m = I \cdot N [A]$$

$\beta$  = Segulþéttleiki [T]

$$\beta = \frac{\phi}{A} = [T] \quad \text{eða} \quad \beta = \frac{\mu \cdot I \cdot N}{l} = [T]$$

$R_m$  = Segulviðnám [H<sup>-1</sup>]

$$R_m = \frac{l}{\mu \cdot A} = [H^{-1}]$$

$\mu$  = Segulleiðni [H/m]

$$\mu = \mu_r \cdot \mu_0$$

$$\mu_0 = 1,257 \cdot 10^{-6} \text{ H/m}$$

$H$  = Segulstyrkur [A/m]

$$H = \frac{\beta}{\mu} = [A/m] \quad \text{eða} \quad H = \frac{I \cdot N}{l} = [A/m]$$