

$$F = \frac{m_1 \cdot m_2}{4\pi \cdot \mu \cdot r^2}$$

$$H = \frac{m}{4\pi \cdot \mu_0 \cdot \mu_r \cdot r^2}$$

$$H = \sqrt{H_1^2 + H_2^2 + 2 \cdot H_1 \cdot H_2 \cdot \cos \alpha} \quad H = \sqrt{H_1^2 + H_2^2} \quad \cos 90 = 0^\circ$$

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

$$B = \mu \cdot H$$

$$H = \frac{N \cdot I}{L}$$

$$\phi = \frac{N \cdot I}{R_m}$$

$$R_m = \frac{L}{\mu \cdot A}$$

$$F = B \cdot I \cdot L$$

$$F = \frac{\mu \cdot I_1 \cdot I_2 \cdot L}{2 \cdot \pi \cdot r}$$