N závitů

I

$\oint B \cdot dr$

$\oint B \cdot ds = 0$

$\mu_0 I$

$B =$

U navojalu u toruse

$B = \frac{\mu_0 N I}{2\pi r}$

$\Rightarrow \int_a^b B \cdot dr = \frac{\mu_0 N I}{2\pi} \ln \frac{b}{a}$

$\int_S B \cdot dS = \frac{\mu_0 N I}{2\pi} \ln \frac{b}{a}$

$\Phi_{NOZN} =$

$\Phi = \mu_0 N^2 h \ln \frac{b}{a}$

$L = \frac{\Phi}{I} = \frac{\mu_0 N^2 h}{2\pi} \ln \frac{b}{a}$