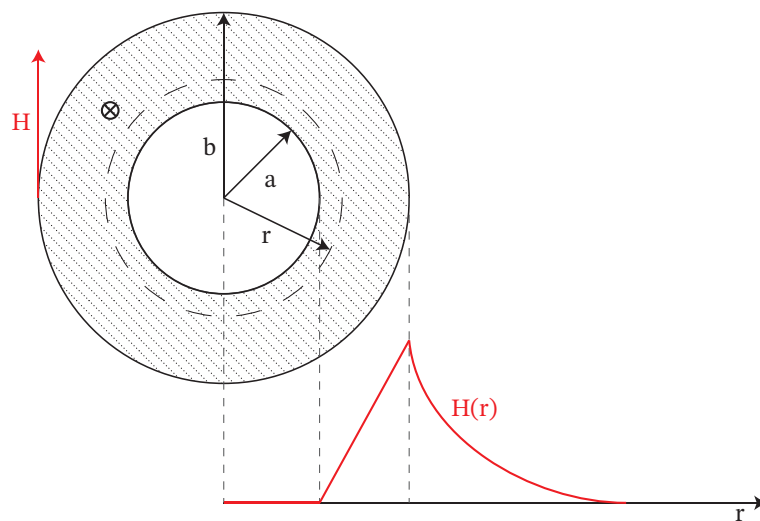


Dutý vodič



Obrázek 1: Dutý vodič (náčrt magnetické intenzity)

$$r < a$$

$$H = 0$$

$$r \in \langle a, b \rangle$$

$$H = \frac{I(r)}{2\pi r} = \frac{I}{2\pi r} \cdot \frac{r^2 - a^2}{b^2 - a^2} = \frac{I}{2\pi r(b^2 - a^2)} \cdot \left(r - \frac{a^2}{r} \right)$$

$$r > b$$

$$H = \frac{I}{2\pi r}$$