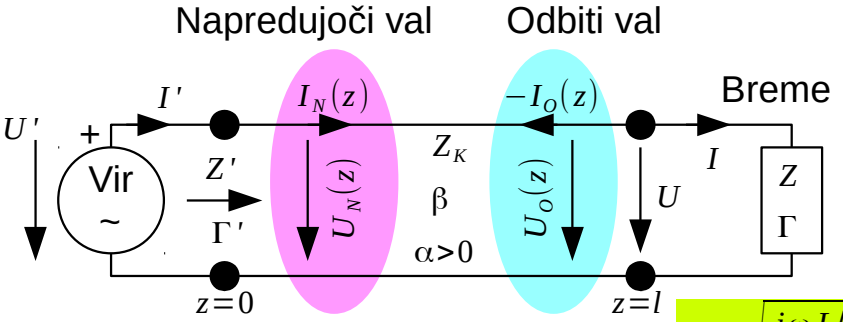


Majhne izgube

$R/l \ll \omega L/l$

$G/l \approx 0$

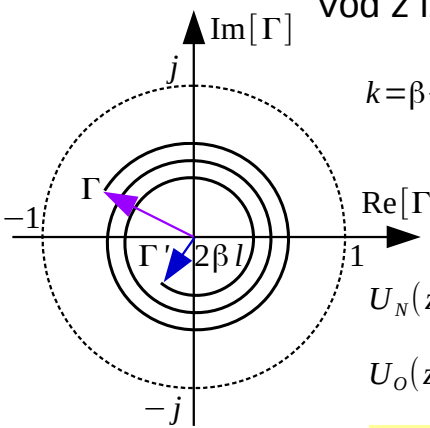
$Z_K \approx \sqrt{\frac{L/l}{C/l}}$

$\beta \approx \omega\sqrt{L/l \cdot C/l}$

$\alpha \approx \frac{R/l}{2 Z_K}$

$$Z_K = \sqrt{\frac{j\omega L/l + R/l}{j\omega C/l + G/l}}$$

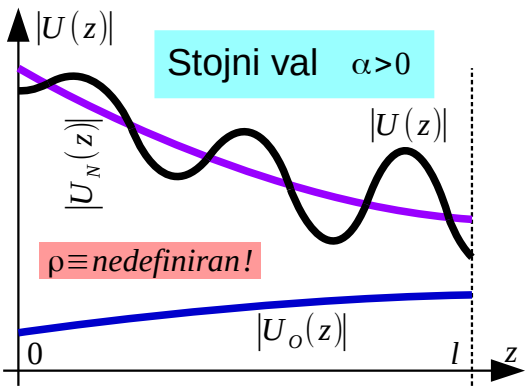
$$k = \beta - j\alpha = \sqrt{-(j\omega L/l + R/l)\cdot(j\omega C/l + G/l)}$$



$$U_N(z) = U_N(0)\cdot e^{-\alpha z}\cdot e^{-j\beta z}$$

$$U_O(z) = U_O(0)\cdot e^{+\alpha z}\cdot e^{+j\beta z}$$

$$\Gamma' = \Gamma\cdot e^{-2\alpha l}\cdot e^{-j2\beta l}$$



Vod z izgubami