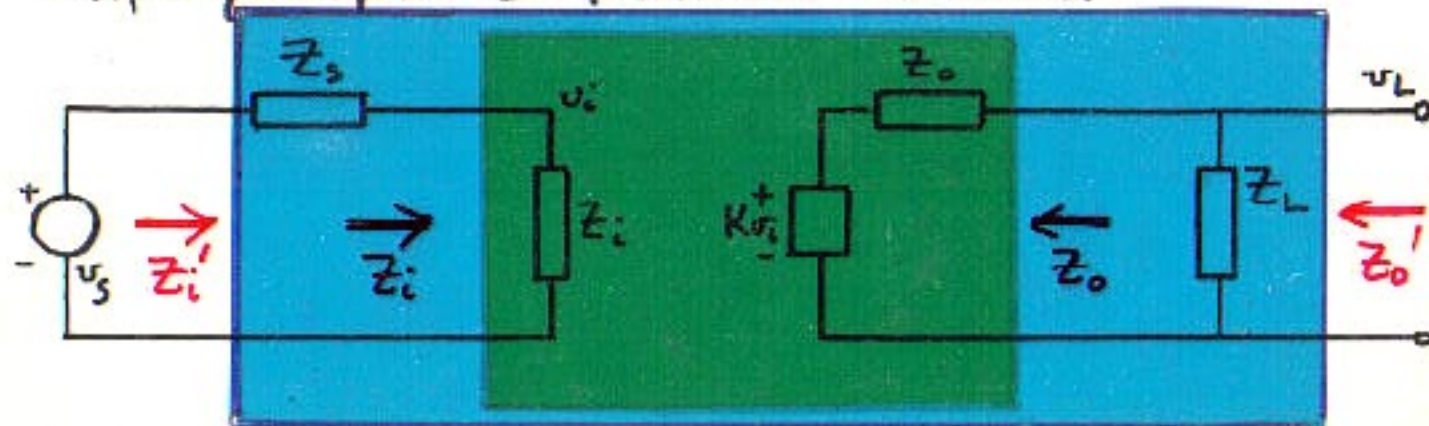


Input/Output Impedance Theorem



Result for "inside" input and output impedances:

$$z_i = \frac{z_s A |_{z_s \rightarrow \infty}}{A |_{z_s \rightarrow 0}} \quad z_o = \frac{A |_{z_L \rightarrow \infty}}{\frac{A}{z_L} |_{z_L \rightarrow 0}}$$

The "outside" input and output impedances can be found directly from:

$$z_i' = \frac{z_s A |_{z_s \rightarrow \infty}}{A}$$

$$z_o' = \frac{A}{\frac{A}{z_L} |_{z_L \rightarrow 0}}$$