

To see howtoknow V&I all along The line we need to have systematic formulation

year year

$$Z(x) = \frac{V(x)}{\overline{I}(x)} = \frac{V_o^{\dagger} e^{-j\beta x} + V_o e^{\dagger} + V_o e^{\dagger}}{\overline{I}_o^{\dagger} e^{-j\beta x} + \overline{I}_o^{\dagger} e^{-j\beta x}} = \frac{V_o^{\dagger} e^{-j\beta x}}{\overline{I}_o^{\dagger} e^{j$$

But let us be more systematic

examine This at The load

$$Z(x=-l) = Z_0 \frac{1 + \Gamma(x=-l)}{1 - \Gamma(x=-l)} z Z_0$$