Z

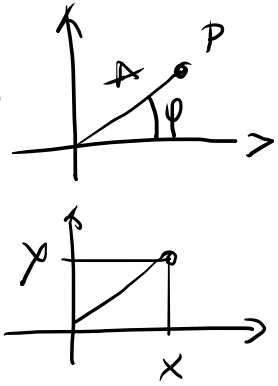
$\bar{V} = \bar{Z} \cdot \bar{I}$

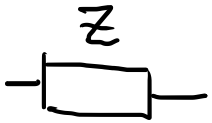
[Ω] R = C [Ω] L [Ω]

$Z = R + jX$

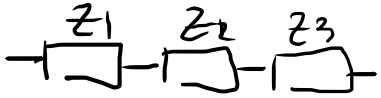
$Y = \frac{1}{Z}$

A, φ



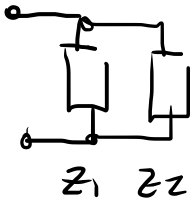


$Z_1 = 10 + j\,12$



$Z_{TOT} = Z_1 + Z_2 + Z_3 =$

$Z_T = (10 + j\,12) + (2 + j\,1) = 12 + j\,13$



$Z_T \rightsquigarrow \quad \frac{1}{Z_{TOT}} = \frac{1}{Z_1} + \frac{1}{Z_2}$

$Y_1 = \frac{1}{Z_1} \qquad Y_2 = \frac{1}{Z_2} \quad \rightsquigarrow \quad Y_{TOT} = \left(\frac{1}{Z_T}\right) = Y_1 + Y_2 + \dots$