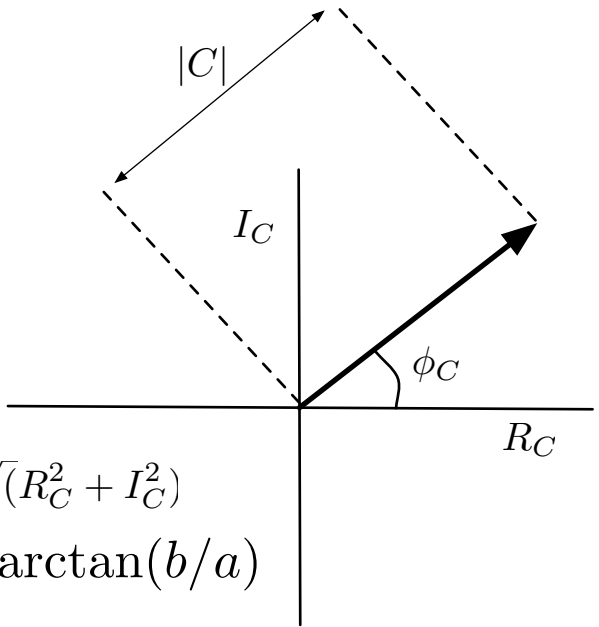

$$|C| = \sqrt{(R_C^2 + I_C^2)}$$

$$\phi_C = \arctan(b/a)$$

EULER FORMULA FOR COMPLEX NUMBERS:

$$e^{j\phi_C} = \cos(\phi_C) + j\sin(\phi_C)$$

$$\cos(\phi_C) = \frac{1}{2}(e^{j\phi_C} + e^{-j\phi_C})$$

$$\sin(\phi_C) = \frac{1}{2j}(e^{j\phi_C} - e^{-j\phi_C})$$

$$R_C = |C|\cos(\phi_C)$$

$$I_C = |C|\sin(\phi_C)$$