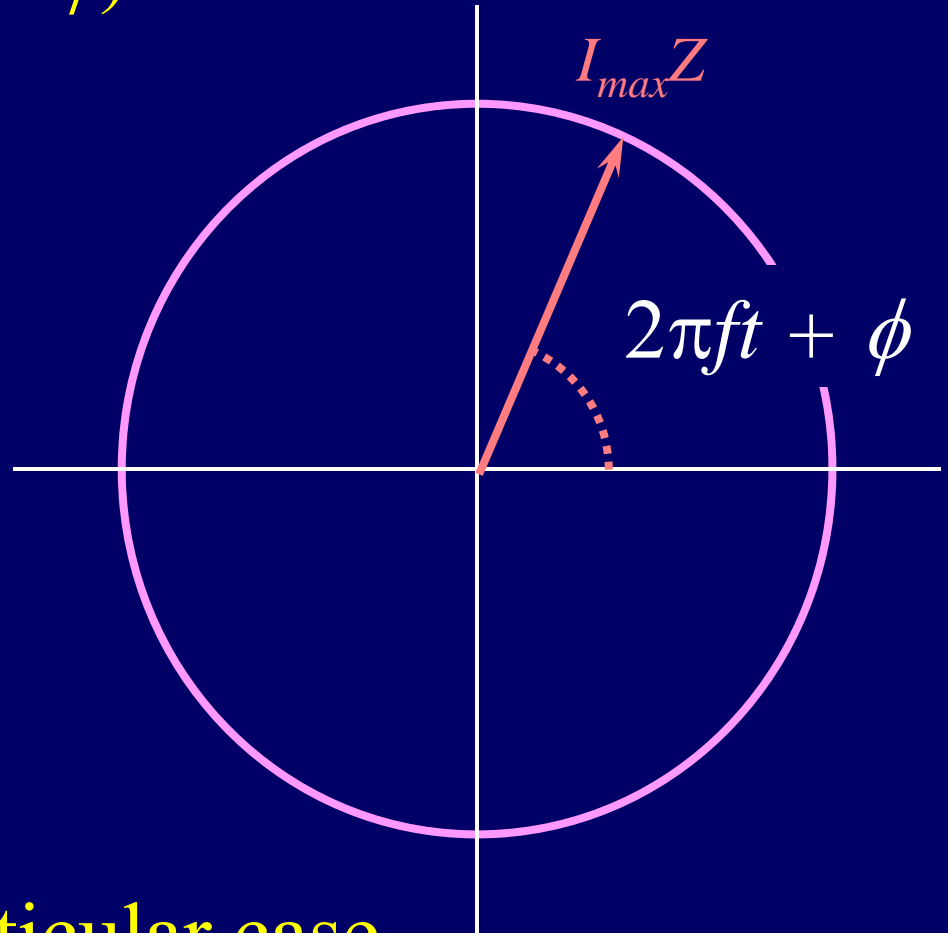
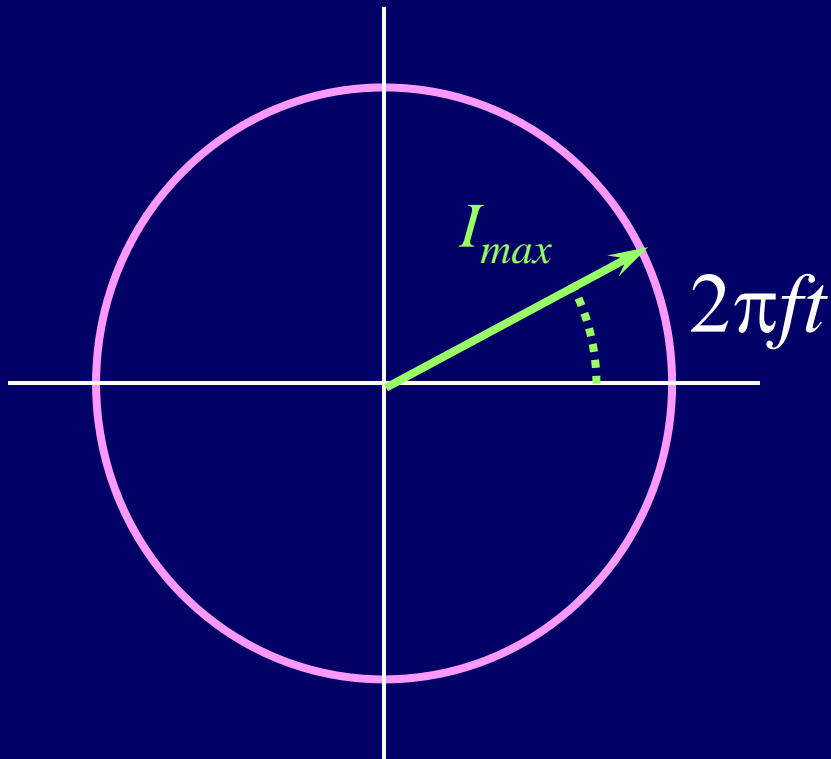


# Phase angle $\phi$

$$I = I_{max} \sin(2\pi ft)$$

$$V_{gen} = I_{max} Z \sin(2\pi ft + \phi)$$



$\phi$  is positive in this particular case.