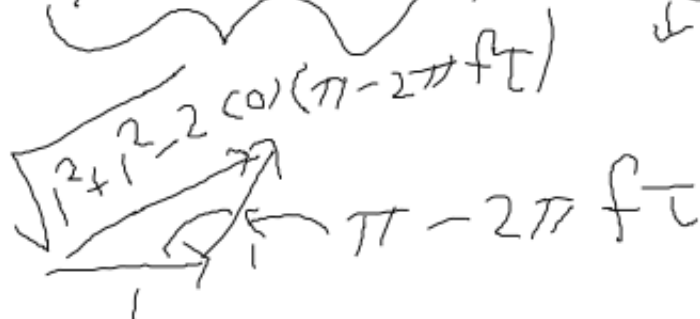


$$\cos(2\pi f t + \phi)$$

$$\rightarrow \cos(2\pi f (t - \tau) + \phi)$$

$$= \cos(2\pi f t + \underbrace{\phi - 2\pi f \tau}$$



$$= \sqrt{2 + 2 \cos(2\pi f \tau)}$$