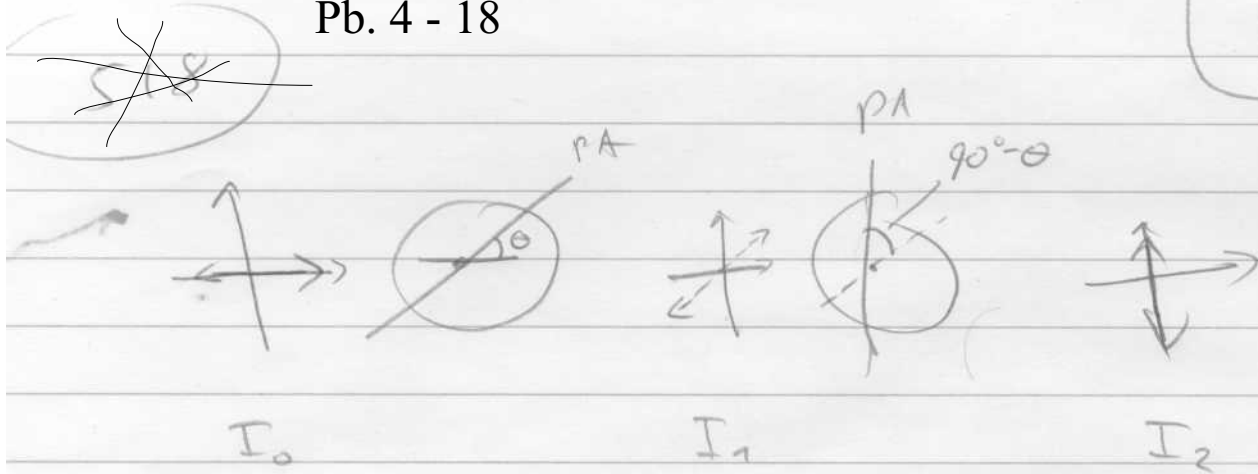


Pb. 4 - 18

Pb



vilket θ ga $I_2 = \frac{I_0}{10} \quad ??$

$$I_1 = I_0 \cdot \cos^2 \theta$$

$$I_2 = I_1 \cdot \cos^2 (90^\circ - \theta) = I_0 \cdot \cos^2 \theta \cdot \sin^2 \theta$$

$$= I_0 \cdot (\cos \theta \cdot \sin \theta)^2 = I_0 \cdot \left(\frac{1}{2} \sin 2\theta \right)^2$$

$$= I_0 \cdot \frac{\sin^2 2\theta}{4}$$

$$I_2 = \frac{I_0}{10} \Rightarrow \sin^2 2\theta = \frac{4}{10}$$

$$\sin 2\theta = \pm \frac{2}{\sqrt{10}} \approx 0,632 \text{ el. } -0,632$$

$$\Rightarrow \theta \approx 20^\circ \text{ el. } -20^\circ$$