

$$\alpha = \text{ATAN} \frac{4}{3} = 53.13^\circ$$

$$\begin{aligned}\beta &= 90^\circ - \alpha \\ &= 36.87^\circ\end{aligned}$$

$$\underline{\theta_{x''} = 45^\circ + \beta = 81.87^\circ}$$

$$\underline{\theta_{y''} = 135^\circ + \beta = 171.87^\circ}$$

$$\underline{\theta_x = 126.87^\circ}$$

