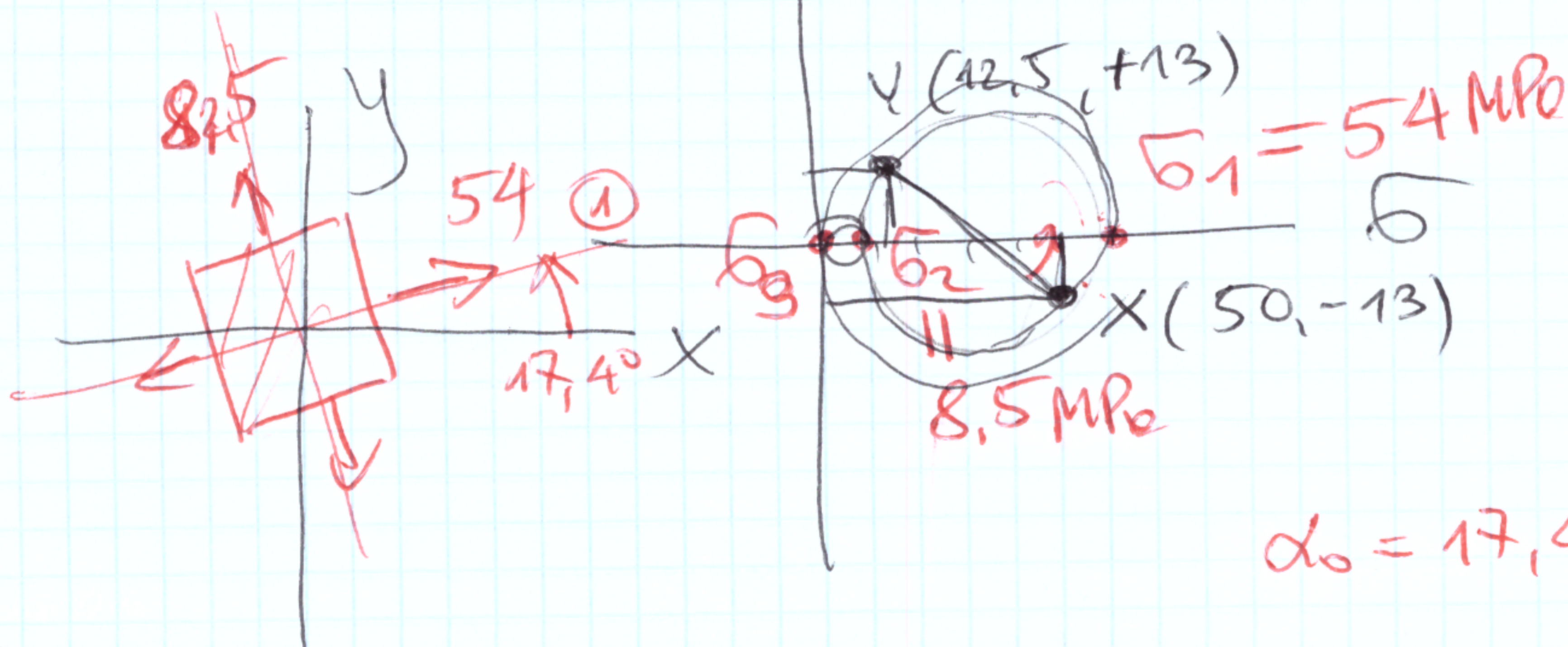
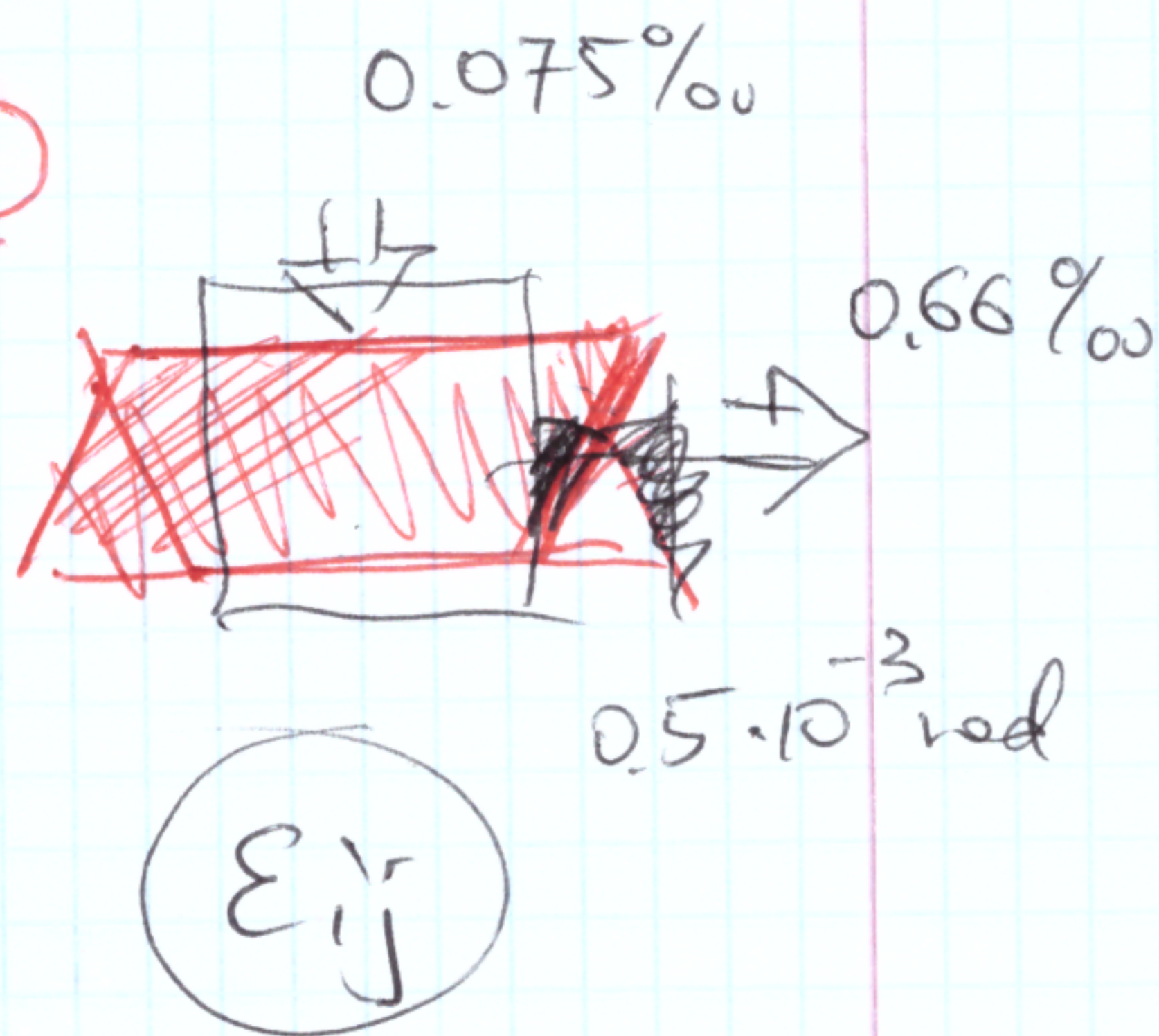
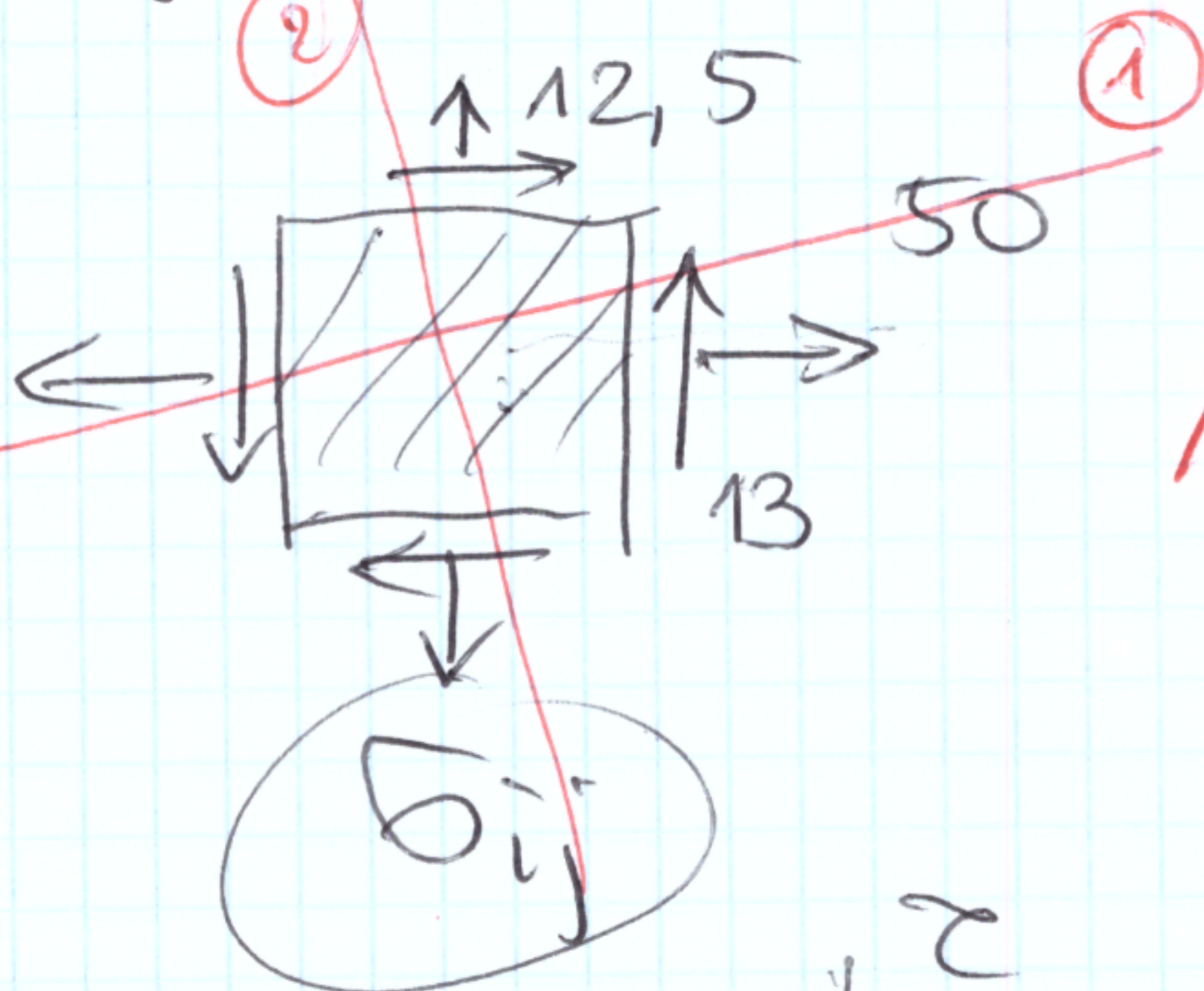




$$\left\{ \begin{aligned} \sigma_x &= \frac{7 \cdot 10^4}{1 - 0.35^2} (0.66 - 0.35(-0.075)) \cdot 10^{-3} \\ \sigma_y &= \frac{7 \cdot 10^4}{1 - 0.35^2} (-0.075 - 0.35 \cdot 0.66) \cdot 10^{-3} \\ \tau_{xy} &= 2.59 \cdot 10^4 \cdot (-0.5 \cdot 10^{-3}) \end{aligned} \right.$$

$$\left\{ \begin{aligned} \sigma_x &= 50 \text{ MPa} \\ \sigma_y &= 12.5 \text{ MPa} \\ \tau_{xy} &= -13 \text{ MPa} \end{aligned} \right.$$



$$\alpha_0 = 17.4^\circ$$