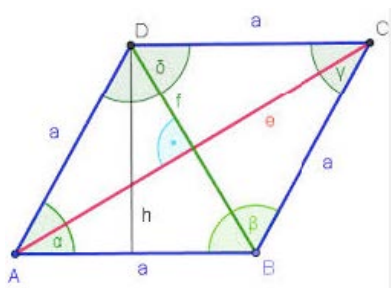


Lösung Beispiel 851.) d.)



$$e = 10 \text{ cm} \quad f = 5 \text{ cm}$$

$$a = \sqrt{\left(\frac{e}{2}\right)^2 + \left(\frac{f}{2}\right)^2} \quad \rightarrow \quad a \approx 5,59 \text{ cm}$$

$$\tan\left(\frac{\alpha}{2}\right) = \frac{f/2}{e/2} = \frac{2,5}{5} \quad \rightarrow \quad \frac{\alpha}{2} = \tan^{-1}\left(\frac{2,5}{5}\right) \approx 26,57^\circ \quad \rightarrow \quad \alpha = 2 \cdot 26,57^\circ \approx 53,13^\circ$$

$$\beta = 180^\circ - \alpha \quad \rightarrow \quad \beta \approx 126,87^\circ$$

$$A = \frac{e \cdot f}{2} \quad \rightarrow \quad A = 25 \text{ cm}^2$$

