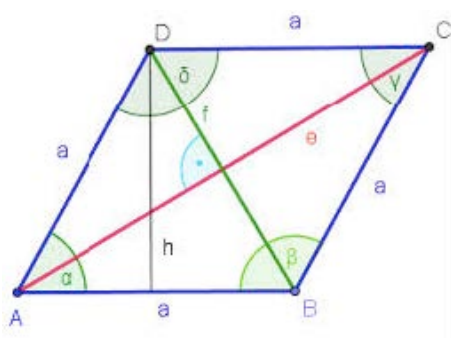


Lösung Beispiel 701.) b.)



$$a = 25 \text{ cm} \quad e = 40 \text{ cm}$$

$$\frac{f}{2} = \sqrt{a^2 - \left(\frac{e}{2}\right)^2} \quad \rightarrow \quad \frac{f}{2} = 15 \text{ cm} \quad \rightarrow \quad f = 2 \cdot 15 = 30 \text{ cm}$$

$$\tan\left(\frac{\alpha}{2}\right) = \frac{\frac{f}{2}}{\frac{e}{2}} = \frac{15}{20} \quad \rightarrow \quad \frac{\alpha}{2} = \tan^{-1}\left(\frac{15}{20}\right) \approx 36,87^\circ \quad \rightarrow \quad \alpha = 2 \cdot 36,87^\circ \approx 73,74^\circ$$

$$\beta = 180^\circ - \alpha \quad \rightarrow \quad \beta \approx 106,26^\circ$$

