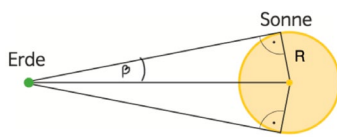


LÖSUNG ZU 876:



a) $\beta = \frac{\alpha}{2} = 0,26^\circ \quad \sin(\beta) = \frac{R}{150 \cdot 10^6}$

$$R = 150 \cdot 10^6 \cdot \sin(0,26^\circ) \approx 680\,676,07 \text{ km}$$

Durchmesser der Sonne: $D = 2 \cdot R \approx 1\,361\,352,14 \text{ km}$

b) $3\,474\,800 \text{ m} = 3,4748 \cdot 10^6 \text{ m}$

