

Ansatz B

$$F = U \cdot Z \quad (1)$$

$$\begin{aligned} F &\stackrel{!}{=} 360^\circ \\ A &\stackrel{!}{=} x^\circ \end{aligned}$$

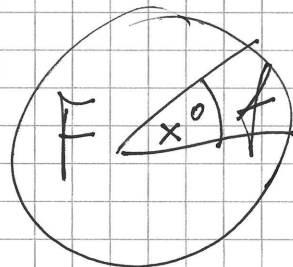
$$\begin{aligned} r &= 1\text{m} \\ b &= 1\text{m} \\ \text{später!} \end{aligned}$$

$$\rightarrow \frac{F}{360^\circ} = \frac{A}{x^\circ} \quad (2)$$

Rechnung B

$$(1) \cdot x^\circ : \frac{U \cdot Z}{360} = \frac{A}{\frac{360}{2\pi}}$$

Skizze



$$\begin{aligned} A &= \frac{r^2}{2} \\ &= \frac{1}{2} \end{aligned}$$

Seite 2/2

Ansatz A

$$U = Z \cdot \pi \cdot r \quad (1)$$

$$\begin{aligned} U &\stackrel{!}{=} 360^\circ \\ b &\stackrel{!}{=} x^\circ \end{aligned}$$

$$\begin{aligned} r &= 1\text{m} \\ b &= 1\text{m} \\ \text{später!} \end{aligned}$$

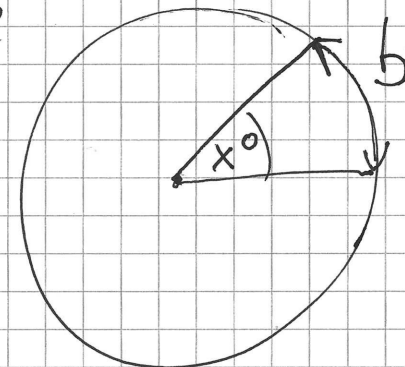
$$\rightarrow \frac{U}{360^\circ} = \frac{b}{x^\circ} \quad (2)$$

Rechnung A

$$(1) \text{ in } (2): \frac{Z \cdot \pi \cdot r}{360^\circ} = \frac{b}{x^\circ}$$

$$\hookrightarrow x^\circ = \frac{360 \cdot b}{Z \cdot \pi \cdot r}$$

Skizze



$$\begin{aligned} & (= 57,3^\circ) \\ & = \frac{360}{2\pi} \end{aligned}$$

Seite 1/2