

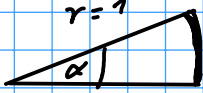
Sinus und Cosinusfunktionen

Einheiten; Bogenmass \leftrightarrow Gradmass

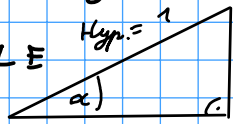
$$2\pi \text{ rad} = 360^\circ$$

$$U = 2\pi r$$

$$\sin(\alpha) = \frac{\text{Geg. K.}}{1} = \text{Geg. K.}$$



$$e = 0,5 \text{ LE}$$



Geg. K. (α)

$$\sin(\alpha) = \frac{\text{Geg. K.}}{\text{Hyp.}}$$

$$\cos(\alpha) = \frac{\text{An. K.}}{\text{Hyp.}}$$

$$\alpha = 0,5 \text{ radian}$$

Frequenz / Wellenlänge

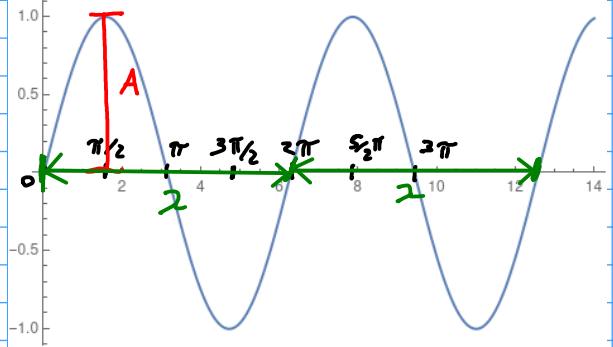
$$f(x) = A \cdot \sin(Bx + C) + D$$

\uparrow Amplitude \leftarrow Verschiebung in x-Achse \leftarrow Verschiebung in y-Achse
 $0 \leq \sin \leq 1$

$$Bx = n2\pi \quad \underline{\underline{2}}$$

$$\frac{Bx}{2\pi} = \underline{\underline{2}}$$

$$f(x) = \sin(x)$$



$$f(x) = \cos(x) = \sin\left(x - \frac{\pi}{2}\right)$$

