

## Gradmaß & Bogenmaß

$\alpha(^{\circ})$ : Winkel in Gradmaß

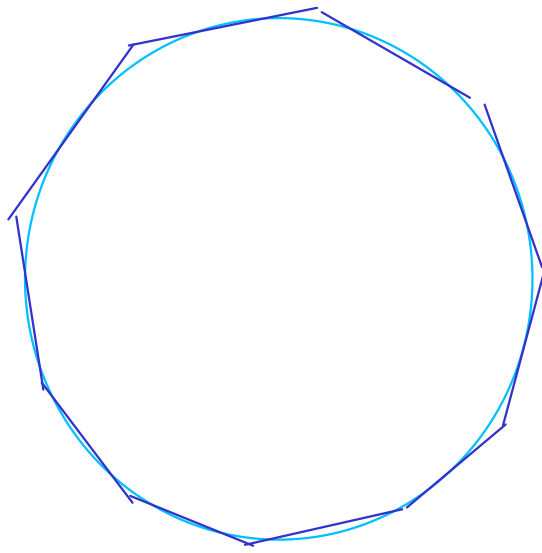
$\alpha(')$ : " " Bogenmaß

$$\frac{\alpha(^{\circ})}{360^{\circ}} = \frac{\alpha(')}{2\pi} \quad | \cdot 2\pi$$

$$\Leftrightarrow \frac{\alpha(^{\circ}) \cdot 2\pi}{360^{\circ}} = \alpha(') \quad | \text{ kürzen}$$

$$\Leftrightarrow \frac{\pi}{180^{\circ}} \cdot \alpha(^{\circ}) = \alpha(')$$

$$\Leftrightarrow \alpha(^{\circ}) = \frac{180^{\circ}}{\pi} \cdot \alpha(')$$



$$\Rightarrow u = 2\pi r$$