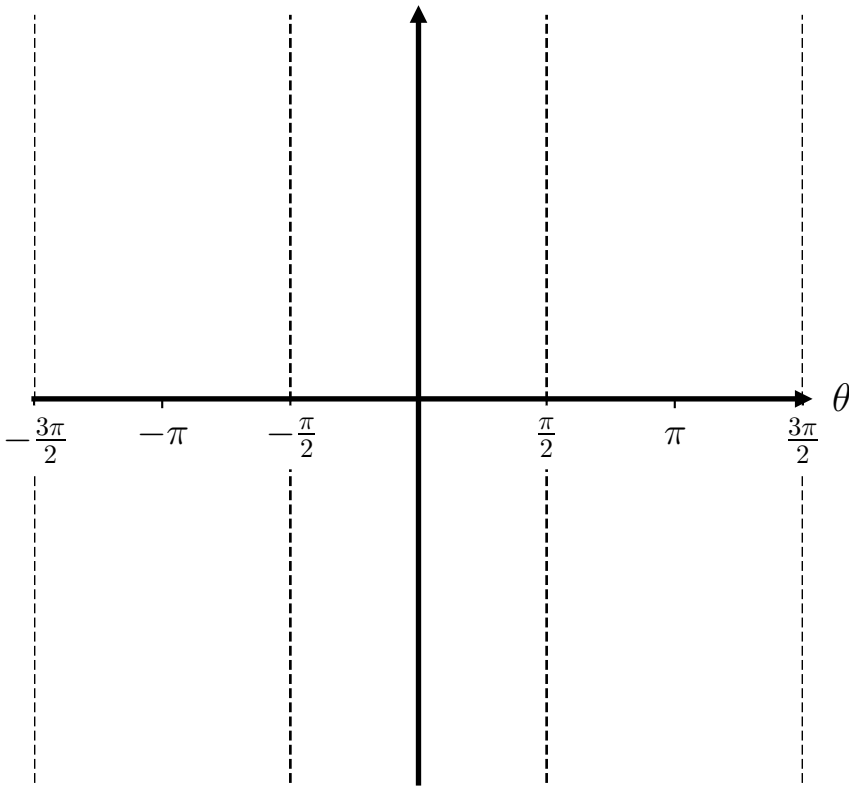


$$\arctan(\tan(\theta))$$



$$\theta \in \left] -\frac{3\pi}{2}, -\frac{\pi}{2} \right[$$

$$\theta \in \left] -\frac{\pi}{2}, \frac{\pi}{2} \right[$$

$$\theta \in \left] \frac{\pi}{2}, \frac{3\pi}{2} \right[$$