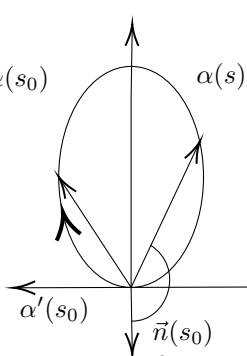


$$0 \leq \theta \leq \frac{\pi}{2}$$



$$\pi \leq \theta \leq \frac{3\pi}{2}$$

