



Legend for the intervals of  $\theta$ :

- Red line:  $\theta \in \left[-\frac{3\pi}{2}, -\frac{\pi}{2}\right[$
- Blue line:  $\theta \in \left[-\frac{\pi}{2}, \frac{\pi}{2}\right[$
- Green line:  $\theta \in \left[\frac{\pi}{2}, \frac{3\pi}{2}\right[$