



Legend for the intervals of θ :

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