

Quarto Basics

Polar Axis

For a demonstration of a line plot on a polar axis, see [Figure 1](#).

```
import numpy as np
import matplotlib
import matplotlib.pyplot as plt

# Monkey-patch matplotlib to use float instead of np.float
matplotlib.projections.polar._WedgeBbox.__init__.__globals__['np.float'] = float

r = np.arange(0, 2, 0.01)
# theta = 2 * np.pi * r
theta = 4 * np.pi * r
fig, ax = plt.subplots(
    subplot_kw = {'projection': 'polar'}
)
ax.plot(theta, r)
ax.set_rticks([0.5, 1, 1.5, 2])
ax.grid(True)
plt.show()
```

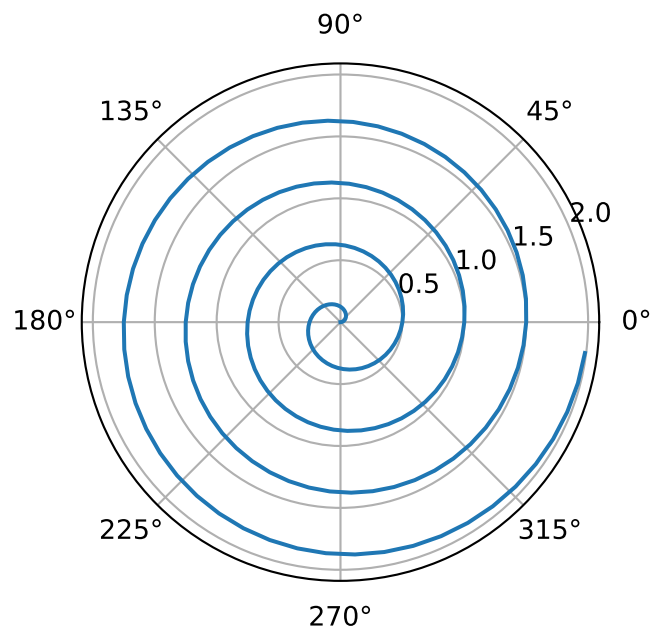


Figure 1: A line plot on a polar axis