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[ ]: #| label: fig-polar  
#| fig-cap: A line plot on a polar axis  
  
import numpy as np  
import matplotlib.pyplot as plt  
  
r = np.arange(0, 2, 0.01)  
theta = 2 * 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()
```