实验报告11

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实验名称：雷达图的绘制

实验要求：使用matplotlib.pyplot绘制圆形多级雷达图

程序习题：

1. 雷达图的绘制

实例代码：

import numpy as np

import matplotlib.pyplot as plt

fig = plt.figure()

ax = fig.add\_subplot(111, polar=True)

r = np.arange(0,1,0.001)

theta = 2 \* 2\*np.pi \* r

line, = ax.plot(theta, r, color='#ee8d18', lw=3)

ind = 800

thisr, thistheta = r[ind], theta[ind]

ax.plot([thistheta], [thisr], 'o')

ax.annotate('a polar annotation',

xy=(thistheta, thisr), # theta, radius

xytext=(0.05, 0.05), # fraction, fraction

textcoords='figure fraction',

arrowprops=dict(facecolor='black', shrink=0.05),

horizontalalignment='left',

verticalalignment='bottom',

)

plt.show()

运行结果：

