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#!/usr/bin/env python
import thread
from numpy import loadtxt
import matplotlib
matplotlib.use('TkAgg')
import matplotlib.pyplot as plt
dat = loadtxt("myfile.txt")
t   = dat[:,0];
v1  = dat[:,1];
v2  = dat[:,2];
v3  = dat[:,3];
v4  = dat[:,4];

plt.plot(t,v1)
plt.plot(t,v2)
plt.plot(t,v3)
plt.plot(t,v4)

plt.ylabel('Temperature [C]')
plt.xlabel('Time [s]')
plt.legend(['1','2','3','4'], loc='upper left')

plt.ylim([24,45])
plt.xlim([0,500])
plt.savefig('a.png', format='png')
plt.savefig('a.pdf', format='pdf')
plt.show()
```