

PYTHON script 11.5.18: Sub-problem (11-5.k): Python script for plotting solution at final time

→ [GitLab](#)

```
1 from matplotlib.pyplot import figure, plot, savefig, xlabel, ylabel
2 from numpy import genfromtxt
3 from sys import argv
4
5 input_file = str(argv[1])
6 output_file = str(argv[2])
7
8 data = genfromtxt(input_file, delimiter=',')
9 x = data[0]
10 y = data[1]
11
12 figure()
13 plot(x, y)
14 xlabel('x')
15 ylabel('u(x,1)')
16 savefig(output_file)
17
18 print('Generated ' + output_file)
```