from pylab import\*

import math

import numpy as np

def plotMaxwell(M,R,T,Vin,Fin):

Vmin=V.min()

Vmax=V.max()

Vout=np.linspace(Vmin,Vmax,100);

fout=4\*pi(M/(2\*pi\*R\*T))\*\*(3/2)\*math.exp(-M\*Vout/(2\*R\*T));

fig=figure()

ax=fig.gca()

ax.set\_xlabel("V")

ax.set\_ylabel("F(V)")

ax.plot(Vout,fout)

ax.plot(Vin,Fin,'x')

#return V1D,f

#example for function call

V=np.array([1, 2, 3.0,4.1,5.])

F=np.array([1.1,2.,3.4,3.99,4.65])

plotMaxwell(1.,1.,1.,V,F)