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import struct
import matplotlib.pyplot as plt
import numpy as np
import csv
from scipy import signal

s1, s2, s3, s4, s5, s6, s7, s8 = [],[],[],[],[],[],[],[]
t = []
time = 0
ct = 0.004

with open("VS20B6D.TXT","rb") as infile, open("CSVFILE.CSV","w") as outfile:
	writer = csv.writer(outfile)
	fs = 250
	fo = 50
	Q = 30
	while True:
		data = infile.read(26)
		if len(data) != 26:
			break
		elif data[:18] == b'##################\n':
			values = infile.read(18)
			data = data[18:] + values
		data4b = bytearray()
		for i in [1,4,7,10,13,16,19,22]:
			data4b.append(data[i])
			data4b.append(data[i+1])
			data4b.append(data[i+2])
			data4b.append(0)
		t.append(time)
		time += ct
		resultatx256 = struct.unpack('>8i',data4b)
		resultat = []
		for i in resultatx256:
			resultat.append(i/256)
		b,a = signal.iirnotch(fo, Q, fs)
		tabfilt = signal.lfilter(b,a,resultat)
		#print(resultat)
		#print(tabfilt)
		writer.writerow(tabfilt)
		#s1.append(480+tabfilt[0]*(22*10**(-6)))
		#s2.append(480+tabfilt[1]*(22*10**(-6)))
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            #s3.append(480+tabfilt[2]*(22*10**(-6)))
            s4.append(480+tabfilt[3]*(22*10**(-6)))
            s5.append(480+tabfilt[4]*(22*10**(-6)))
            s6.append(480+tabfilt[5]*(22*10**(-6)))
            #s7.append(480+tabfilt[6]*(22*10**(-6)))
            #s8.append(480+tabfilt[7]*(22*10**(-6)))
#plt.plot(t[1:], s1[1:])
#plt.plot(t[1:], s2[1:])
#plt.plot(t[1:], s3[1:])
plt.plot(t[1:], s4[1:])
plt.plot(t[1:], s5[1:])
plt.plot(t[1:], s6[1:])
#plt.plot(t[1:], s7[1:])
#plt.plot(t[1:], s8[1:])
plt.show()
```