

How to average probe signal intensities.

Source code: average.cpp

Compile the source code with the following one-line command:

```
g++ average.cpp -o average
```

Input files to average signal intensities are formatted by filename and then concentration of the dilution. Example input files:

```
calib_0_0625.txt 0.0625  
calib_1.txt 1  
calib_2.txt 2  
calib_0_5.txt 0.5  
calib_0_25.txt 0.25  
calib_0_125.txt 0.125
```

Example output file: average.txt

Instructions:

Type the following line command:

```
./average calib_0_0625.txt 0.0625 calib_1.txt 1 calib_2.txt 2 calib_0_5.txt  
0.5 calib_0_25.txt 0.25 calib_0_125.txt 0.125 > average.txt
```

Interpreting the output file (average.txt):

First column: concentration

Second column: Probe Name

Third column: average

Fourth column: standard deviation/average/square root (num of probes).