In the name of God

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COMPUTATIONAL PHYSICS

Exercise Set 2

(Date Due: 1397/07/29)

1. Error analysis and propagation: Using the input file, write a bash file with proper program file to do following tasks:

   A : Read input data file which contains more than 10^6 one-column data. and spilt it to 100 input files.
   B : Making directories and send each data set to corresponding directory.
   C : Compute mean, variance and mean standard deviation of each data set. And write them in a file which contains the label of data, mean, standard deviation and mean standard deviation. Finally plot them.

Good luck, Movahed