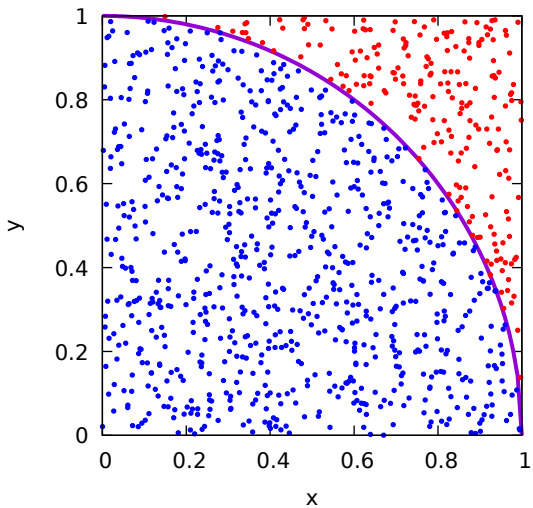
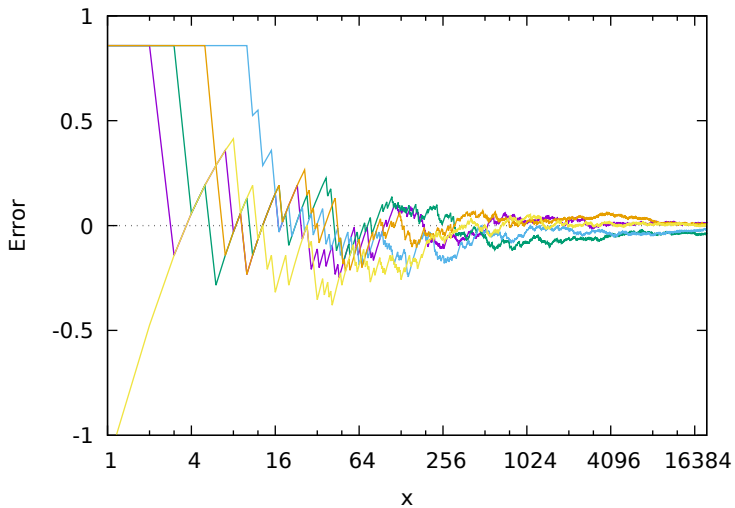


Plot 1



Monte Carlo Error Estimation



Assignment 1 Writeup  
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I have encountered many problems during programming this assignment. Eventually I have overcome the difficulties, and successfully finished this assignment. I believe I can get a full mark if this was not late.

make (from 'make clean AndAnd monteUnderscorecarlo'), this was included in the example given in the assignment instruction file, 'make clean' deletes the binary from previous execution and 'make monteUnderscorecarlo' or "make something AndAnd monteUnderscorecarlo" complies the C using makefile, which was also provided prior to starting to program the assignment.

sleep, I needed to use this in order to delay the compile process, or it would give the same data in multiple data files in such a short period of time (not random enough).

The rest of the commands in the bash file are for gnuplot.

"set terminal pdf" "set output "xxx"" were to tell gnuplot that I wanted to produce an output in pdf format. "set size square x,y" were to tell gnuplot that the output table should be in square shape and x, y are sizes of length. "set xlabel "x"" "set ylabel "y"" are to define the labels of x and y axis. 'set title' means as set title means. set xrange yrange sets the ranges of x and y. set style lines x is to set line style of x (not axis, should be an integer), later could be used. Finally, the most important one, plot actually produces the plots that we want, we will use the data we generated earlier, and the settings we made will apply, parameters followed will instruct the details of the plot command like u means using, w means with. (backslashDollarSign should be dollarSign but in bash it will not be identified because it makes bash confused, adding a backslash before the dollar sign will prevent bash from alternating the meaning)