GnuPlot

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How to run gnuplot?

- In Linux command line
  - gnuplot
- In gnuplot command line
  - gnuplot> plot "2dCurve.txt"

How to decorate?

- Connect dots with lines
  - gnuplot> plot "2dCurve.txt" with linespoints
- Add x, y labels
  - gnuplot> set xlab "traffic intensity"
  - gnuplot> set ylab "avg no. of customers"
- Show grid
  - gnuplot> set grid
- Set x,y ranges
  - gnuplot> set xrange[0.0:2.0]
  - gnuplot> set yrange[0.0:150]
- Set x, y, tics
  - gnuplot> set xtics 0.1, 0.1, 1.5
  - gnuplot> set ytics 0.0, 10, 100

How to draw multiple curves in a single graph?

- Two curves
  - gnuplot> plot "2dCurve.txt" with linespoints
  - gnuplot> replot "2dCurve2.txt" with linespoints
- Name each curve
  - gnuplot> plot "2dCurve.txt" title "method1" with linespoints
  - gnuplot> replot "2dCurve2.txt" title "method2" with linespoints
- Two curves at once
  - gnuplot> plot "2dCurve.txt" title "method1" with linespoints, "2dCurve2.txt" title "method2" with linespoints

More on gnuplot

- Save as eps file
    - gnuplot> set term postscript eps enhanced
    - set output "graph.esp"
- Save all in the command file and execute it in gnuplot
    - gnuplot> load "plotting.cmd"
- 3D curves
    - gnuplot> splot "3dCurve.txt"