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Minute Essay From Last Lecture More than one person mentioned how that last problem on the homework was difficult and/or messy. Regular expressions — well, very powerful, but apt to be "write-only", no? (And it doesn't help that different programs that support them vary in details of how you write them.) One person mentioned how many different things you can do with sed. Very true, and we didn't get into a lot of its features. Some of the examples in the info page(s) are, hm, astonishing? One person mentioned the tie-in with what's being covered in Theory. Indeed.



- Usually run in graphical mode, but interface is text-only. Help available from within program by typing help. (Help is modeled after online help on VAX VMS operating system, and is — different.)
- (Interestingly enough, the name has nothing to do with the GNU project, but apparently was an attempt at humor by the authors, who wanted to call it newplot but didn't want to conflict with some other program by that name.)
- Admittedly the text-only interface seems clunky by comparison to GUI tools, and this does seem like the kind of application for which a GUI tool would be good, but . . .

gnuplot, Continued

- A benefit to the text-mode interface is that commands/settings can be saved to a (text!) file for later reuse. (And since it's a text file it can be edited directly with a text editor.)
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- Program can also be run in "batch" mode. Might be useful for generating many similar plots from different data, or for recreating plots as data changes.
- All this makes for something that fits nicely into the world of traditional-UNIX text-mode tools.
- Nice for Large V users because it can produce output in various Large X-friendly formats (including ones that allow final typesetting to use same fonts as document). (More about this in discussion of Large X next topic.)

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gnuplot Examples
Some examples will be linked from "Sample programs" page.
Lots of examples available at gnuplot.sourceforge.net

