In-Class Work: Talk Tools

1. Sample File(s) for Latex Beamer:

Copy
`~kvollmay/classes.dir/phys338.dir/phys338_s2015.dir/talks.dir/beamer_example.tex`
`~kvollmay/classes.dir/phys338.dir/phys338_s2015.dir/talks.dir/fig[1-3].eps`
into your working directory. Have a look at `beamer_example.tex`.

2. Compile:

The commands for compiling this sample file and for looking at the resulting pdf-file are as comments at the beginning of `beamer_example.tex`. Since I teach you graphic tools (`xfig`, and `xmgrace`) with which you can make eps-files, choose option `(A)`. Paste the commands on the command line and hit `Enter`.

3. Start Your Mini-Project Talk: Copy the `beamer_example.tex` to a second tex-file which will be for your mini-project talk. Change the title to the title of your talk and similarly change author, date and sections.

4. xmgrace

To have some data and an example xmgr-file copy
`~kvollmay/classes.dir/phys338.dir/phys338_s2015.dir/talks.dir/Noft_Moore.data`
`~kvollmay/classes.dir/phys338.dir/phys338_s2015.dir/talks.dir/Noft_vonNeumann.data`
`~kvollmay/classes.dir/phys338.dir/phys338_s2015.dir/talks.dir/fsqt.xmgr`
To get started with xmgrace type on the command line `xmgrace &`. To pull in a dataset use `Data` → `Import` → `ASCII` and under Selection add `Noft_Moore.data` then click `OK`. Similarly pull in the dataset `Noft_vonNeumann.data` . I will show you next: data: labels, symbols, line symbols, axis changes: line width, label incl. size and tick marks, and legend positioning. To save an xmgrace session use `File` → `SaveAs` (use a filename which ends with `.xmgr`). It is important to use `SaveAs` the first time because default is to overwrite your data-file! For the second time saving you may use `Save`. To continue an xmgrace session use `File` → `Open`. To make an eps-file use `File` → `Print setup` and choose as device `EPS`. This only sets up the printing, to get the eps-file printed use `File` → `Print`.

You may also want to play some with the example `fsqt.xmgr`. Make a figure of $N(t)$ with the `Noft_Moore.data` which would satisfy the expectations on figures for scientific publications and talks. Make an eps-file and include it in your latex beamer file. If time is left you may also want to play some with `fsqt.xmgr`.