Setting up your personal Computer to use for MATS588 and some unix tips

Original google doc is here

Get X11

To set up off campus access see:

http://oregonstate.edu/helpdocs/network/vpn-campus-access/vpn-setup-mac

Log on to ENGR account:

in terminal: ssh -X username@access.engr.oregonstate.edu
at prompt [terminal type] : enter

Copy from a folder:

cp -r pathfrom pathto (-r means recursive i.e everything below pathfrom)
ex:
cp -r ~/MATS588-Shared/Project-03-Part-01-MD-Stepsize ~/MATS588/

To access cluster:

http://engineering.oregonstate.edu/computing/cluster/using.html

lamps py:

http://lammps.sandia.gov/doc/Section_python.html
http://lammps.sandia.gov/

Copy folders from engr account to personal comp:

cd where you want it to go:
ex in term: rsync -aP
username@access.engr.oregonstate.edu:/nfs/mohr/u1/MATS588/foxa/Project-04-Part-1-Convergence . (the dot puts it in the current directory, you can also specify location)

Compile and run LAMMPS

1. Download tarball
2. Extract it
3. Terminal: cd *path*/src/STUBS
4. Terminal: make
5. Copy lmp run to bin
6. Add to either .bashrc or .profile
    a. “export LAMMPS_COMMAND=/bin/lmp”
    b. exit all terminals and open a new one….
7. Make it runable: terminal: *chmod -x lmp*
8. run it - lmp < in.filename

View a pdf

in term: gv path/filename

Delete when args are too long - i.e lots of files

find . -name "in*" -print | xargs rm