

BASIC UNIX/LINUX COMMANDS

File Management

find . -name (file) -print	Find the file (file)
cp (name1) (name2)	Copy the file (name1) to the file (name2)
mkdir (name)	Make a sub-directory (name)
cd (name)	Change to the sub-directory (name)
cd ..	Change to the directory above
cd	Change to your home directory
mv (name1) (name2)	Rename the file (name1) to (name2)
rm (name)	Remove (delete) the file (name)
ls	List files in the working directory
cat (name)	Display the file (name) to the screen
more (name)	Display the file (name) one screen at a time
pwd	Display the current working directory
lpr (name)	Send the file (name) to the printer

Editing and Word Processing

pico (name)	Edit/create the file (name)
nedit (name)	Edit/create the file (name) [recommended editor]
latex (name).tex	Invoke the latex word processor
xdvi (name).dvi	Preview/review processed latex file
dvips -f (name) > (name).ps	Create Postscript file (name).ps of a latex document
gs (name).ps	Preview the final Postscript file (name).ps
lpr (name).ps	Print the Postscript file (name).ps

Program Compilation and Execution

f90 -o (name).x (name).f90	Compiles F90 code and creates executable (name).x (SGIs)
ifc -o (name).x (name).f90	Compiles F90 code and creates executable (name).x (LINUX PCs)
cc -o (name).x (name).f90	Compiles C code and creates executable (name).x
(name).x	Runs the compiled code
(name).x < (inputfile)	Runs the compiled code with redirected input
(name).x > (outputfile)	Runs the compiled code with redirected output
(name).x < (inputfile) > (outputfile)	Runs the compiled code; redirects input and output

Communication

scp (name1) (username)@cedar.math.jmu.edu:/(name2)	Secure copy of (name1) from one user to another
mail (username)	Mail a message to (username)

Software Packages

matlab	MatLab
xmapple	Maple
math	Mathematica
netscape	Netscape internet navigator
pine	Email software

Miscellaneous Useful and Nifty Commands

man (command)	Information on (command)
passwd	Change your password
history	List previous commands in numerical order
!135	Re-execute command 135 (following history)
diff (name1) (name2)	Compare files (name1) and (name2) line by line
grep "(pattern)" (file list)	Search for (pattern) in listed files
cal 9 2001	Display a calendar for Sept. 2001