

PRISMS-PF Cheat Sheet:

General Command Line Commands:

ls Used to show the contents of the current directory

pwd Prints the current working directory (where you are in the file structure)

cd Change directory (cd .. to go up one directory, cd [insert directory here] to go into a directory)

cp Copy a file or directory (cp [file to be copied] [where to copy it to], cp -r [directory to be copied] [where to copy it to])

mv Move a file or directory (mv [file to be moved] [where to move it to], mv -r [directory to be moved] [where to move it to])

rm Delete a file or directory (rm [file to be deleted], rm -r [directory to be moved])

mkdir Create a new directory (mkdir [directory name])

PRISMS-PF Commands:

git clone https://github.com/prisms-center/phaseField	Clone the PRISMS-PF repo
cmake .	Create the makefile (don't forget the period!)
make -j [number of cores]	Compile the core library
make debug	Compile an app in debug mode
make release	Compile an app in release mode
mpirun -n [number of cores] main	Run a simulation
mpirun -n [number of cores] main -i [input file name]	Run a simulation with a parameters file name other than "parameters.in"
visit &	Launch VisIt

Command to Set the Environment Variables:

source /afs/umich.edu/user/s/t/stvdwtt/Public/prismspf_script.sh

Links:

Git Repository	github.com/prisms-center/phaseField
PRISMS-PF Site	prisms-center.github.io/phaseField
User Manual	prisms-center.github.io/phaseField/doxygen_files/manual.html