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