

PHYS405

Advanced Computational Physics Parallel Computing

Assignment # 1
Due: Friday, October 2, 2009

Purpose: Learn to write and run simple MPI code

Note: Please identify all your work.

Write an MPI code, `submit.c`, to execute a Linux command on all the nodes of a virtual machine. The command to execute will be extracted from the command line arguments.

For instance,

```
mpicc -np 4 ./submit rm /tmp/a
```

will remove the file **a** from the local directory **/tmp** on the 4 nodes on which the code runs.