Thanks to Mike Aguilar.

*Invoking Matlab on Emerald*

Note: Commands are surrounded by [ ] and should not be typed at the shell prompt.

**Shell:**

Secure shell can be obtained via [https://shareware.unc.edu/shftware.html](https://shareware.unc.edu/shftware.html)

SSH setup:

Install SSH client and [Add profile]. I used emerald for the name of profile.
Connect to Emerald.
To change the directory to /netscr/onyen...
To start at a certain directory ...

Type in the folder

Home folder: /net2/orion
In case you want to use x-win later ...
Invoke the terminal.
Everything below is to be done in the terminal window.

Adding matlab to user environment:

```
Ipm add matlab
```

Workspace:

Use the netscr directory for running jobs.

From root directory change to netscr via `[cd/ netscr/onyen]`

To see what there are, `[ls]`

For other commands, google ‘unix reference’.
**Adding paths:** Suppose to have created `netscr/onyen/mfiledir`

Enter `[addpath(genpath('netscr/onyen/mfiledir/'))];` to your m-file.

**Running jobs in Interactive mode:**

Enter `[imatlab]` without brackets at the shell prompt.

**Running jobs in Batch mode:**

1) Enter `[bmatlab Filename.m]`
2) Enter `[bsub –q batch –I Filename.m –o outputfile.out –S20000 matlab –nodisplay –nojvmhil]`
   
   Note: This defaults to (week) queue. Can replace (batch) with (idel), (int), (now), etc.

**Saving work:**

`

save ‘netscr/onyen/outputfile.out’`

`