

CS1112/1142/1132 – Remote access to Matlab (MAC)

Instruction for remotely running Matlab on the CSUG lab computers

X Windows System software needed:

If you plan to run the graphical version of Matlab and send the output to your computer, you will first need to download and install an open-source version of X Window System. We recommend using XQuartz and the current version can be found here:

<https://xquartz-dl.macosforge.org/SL/XQuartz-2.7.8.dmg>

* After installation of XQuartz, you should reboot your Mac in order for the application to be automatically referenced

Network Connection:

Access to the CSUG computers is currently allowed from all Cornell subnets including Red Rover and eduroam. If you are attempting to connect from an off-campus network, you will need to be sure the VPN service is installed and running. More information about that can be found here:

<http://www.it.cornell.edu/services/vpn/>

Log on via SSH:

On your computer, open a terminal session and connect to one of the CSUG computers using the following command:

```
ssh -X netid@csug##.csuglab.cornell.edu
```

netid = your Cornell Network ID

= one of the CSUG computers (01 – 20) – **PLEASE SEE CMS FOR YOUR ASSIGNED SERVERS**

When you type your netid password the cursor will not move, but keep typing and then press <Enter>

* The first time you log in to a server you will see a message indicating the host authenticity can't be established:

The authenticity of host 'csugXX.csuglab.cornell.edu (128.253.141.XX)' can't be established.

ESDA key fingerprint is 7f:10:ea:01:4f:ef:90:d3:37:12:fb:eb:7c:d4:18:04.

Are you sure you want to continue connecting (yes/no)?

* Simply type yes and hit Return to add the server to the list of known hosts

Start Matlab:

Matlab R2012a is currently installed on all of the CSUG computers. To launch Matlab – in a terminal, type in the following command:

```
/usr/local/MATLAB/R2012a/bin/matlab
```

The graphical output should now be redirected to the computer you are using to remotely access the CSUG computer. Please note – this is not the same as working directly from your computer, the graphical output is being redirected to your computer so depending on the network bandwidth and server usage - you may experience some delay.

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Log out (IMPORTANT):

When you have finished your work, please log out of you session. To log out – in a terminal, type in the following command:

exit