<How to Start NSL-MatLab ON CAMPUS>

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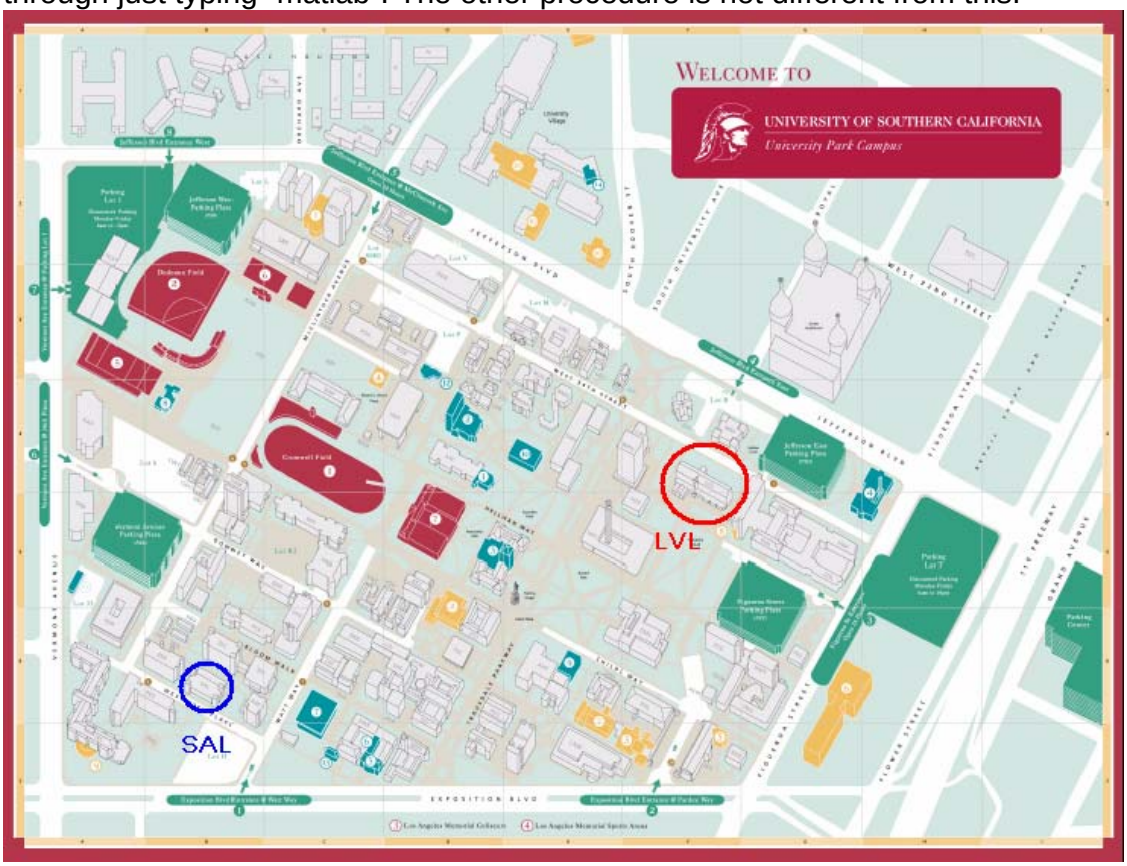
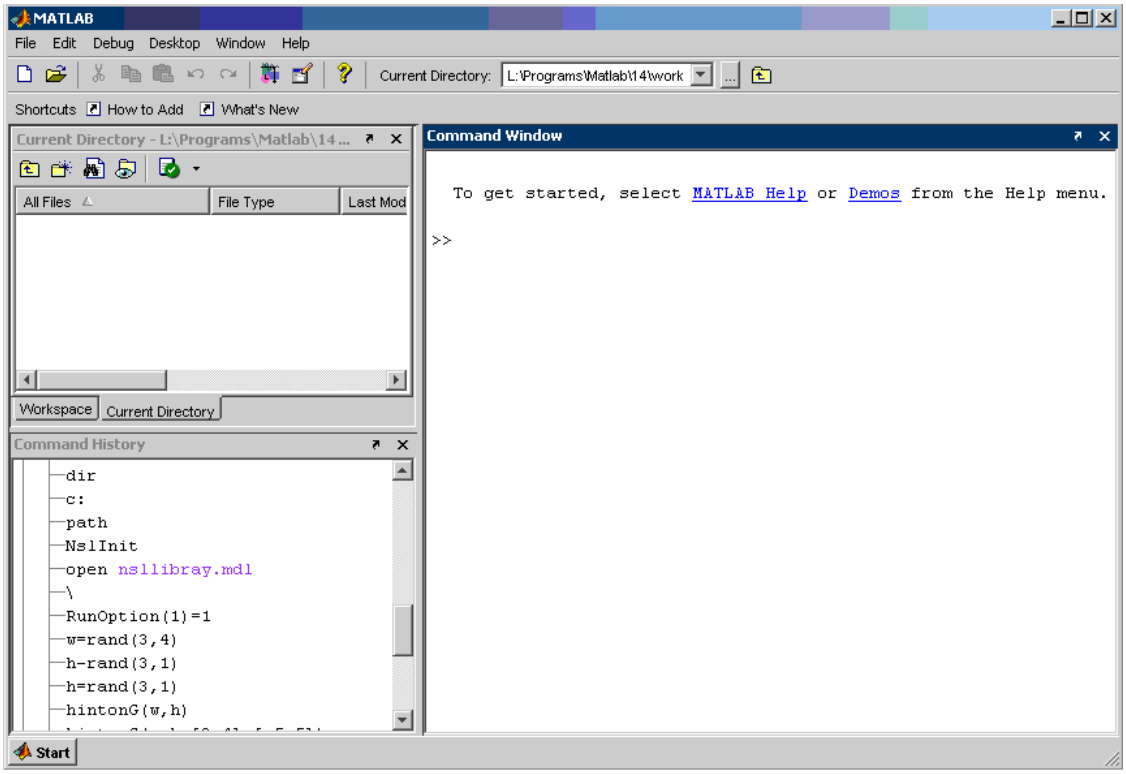
Currently, USC has a license of MatLab 7.0. You can use this application at any PC which is managed by ISD; Leavy Library(LVL) or Salvatory Computer Science Building(SAL) are the common place. Here is the map of UPC.
In case of SUN machine in SAL, it has MatLab 6.5. You can run MatLab 6.5 through just typing “matlab”. The other procedure is not different from this.

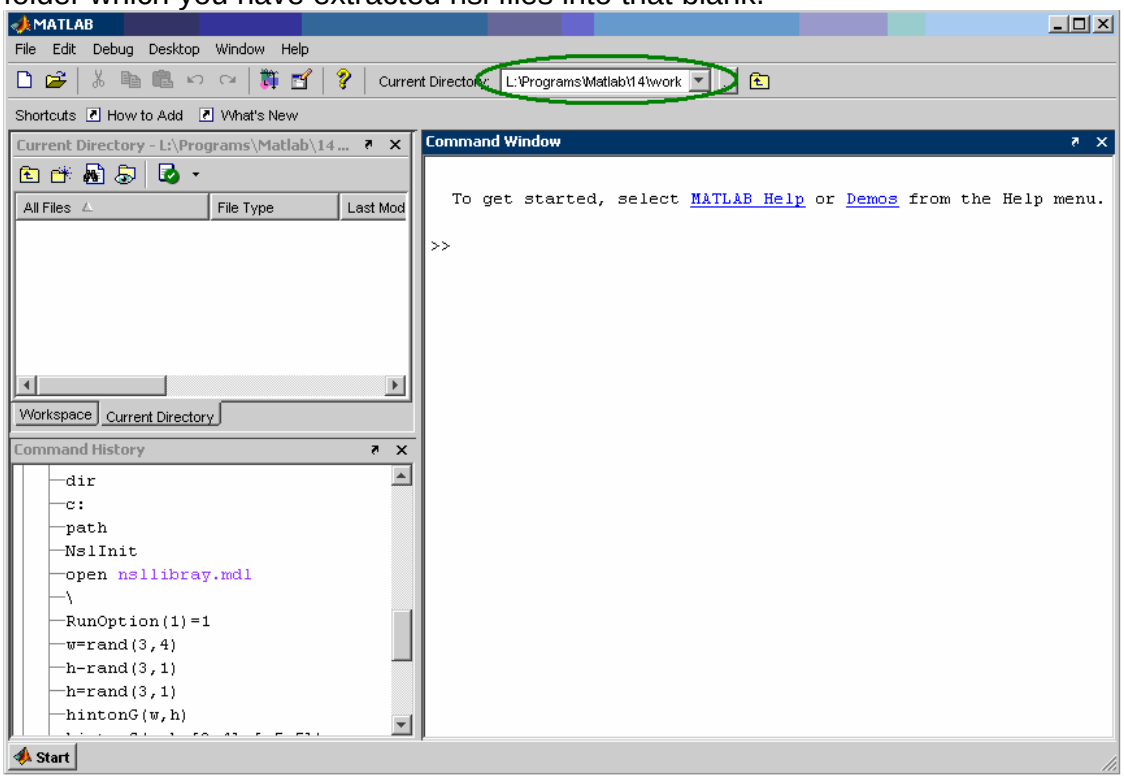


1) Download nsl.zip and unzip all files to a specified folder. (I selected “c:\nsl”, I made a folder and then extract all files into it)

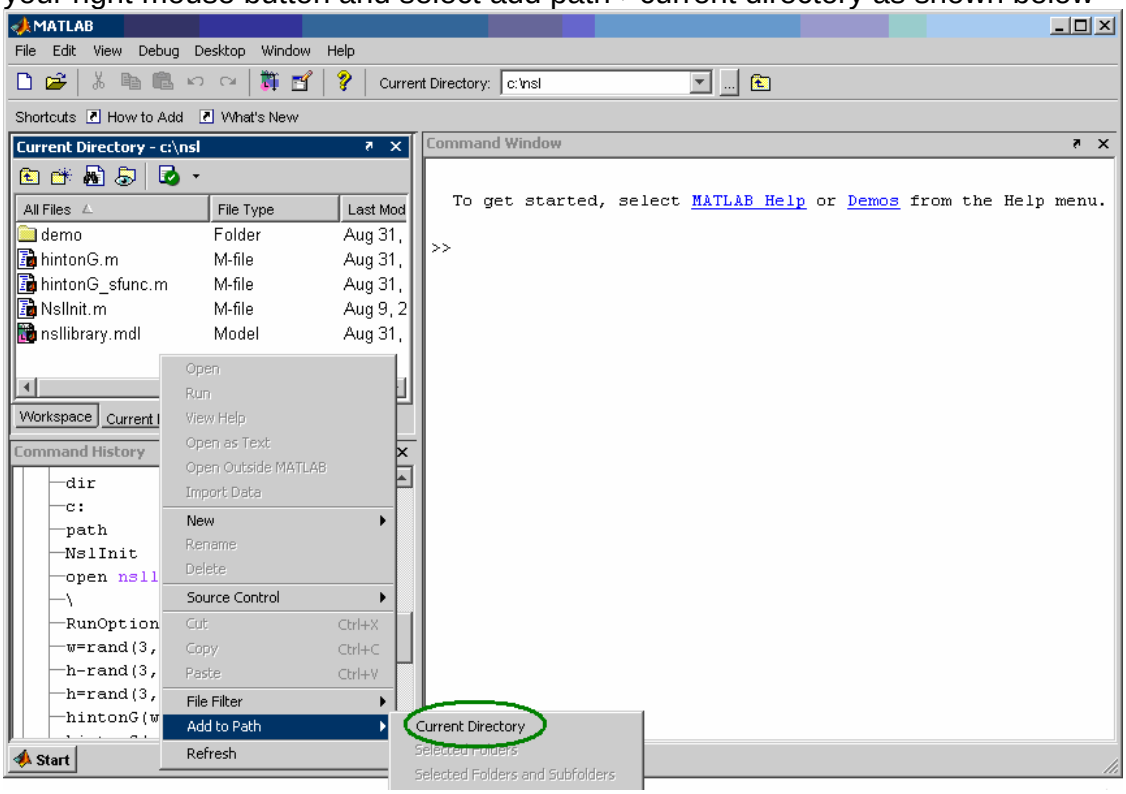
2) Run [My Computer] -> L: labapps on 'ics.usc.edu\Ics' -> Programs -> MatLab -> 14 -> <MatLab 7.0 >. You can make a shortcut on your desktop if you want. (I recommended it.)



3) Very under of MatLab menu, there's "Current Directory". Type the specified folder which you have extracted nsl files into that blank.



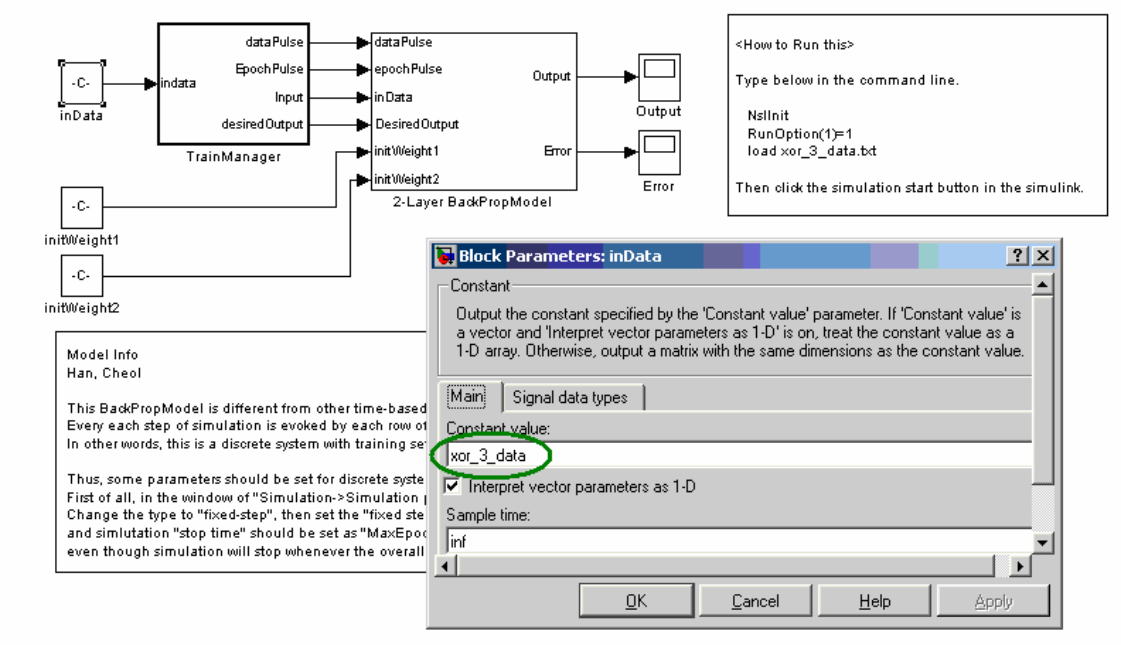
4) Left upper, there's the current directory window. Click any blank place with your right mouse button and select add path->current directory as shown below



5) To run the nsl models, you need to type "**NsllInit**" first in the command line. Then, **You're ready to use.**

6) Let's test BackPropModel. In the current directory window, double-click "demo" folder. And you can see the backpropmodel.mdl. Open it with double clicking it. You may see the diagram of back prop model.

7) Then, double click the block "inData." It has the data set to learn as indicated as "xor_3_data." This demo version already has the 'xor_3_data.txt' file. The thing you need to do is type "**load xor_3_data.txt**" in the command line. In the workspace, xor_3_data matrix is generated. (You can double click it in the workspace menu to explore it)



8) The last thing to do is to choose the mode of running; Train or Run. To do this, type "**RunOption(1)=1**" in the command line.

9) Every initial setting ends. You can click the simulation button in the block diagram.