Matlab notes, symbolics, creating new file

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These are old notes I wrote. I need to merge these with others when I have sometime.

1. Matlab FAQ HTML

2. To run Matlab function in a file, on linux, type

```
matlab -nodisplay -nodesktop -nojvm -r "post_process;quit;"
```

Make sure to be in the same folder as the file `post_process.m` in this example. And make sure you set the path to where the matlab installation is, which should be in
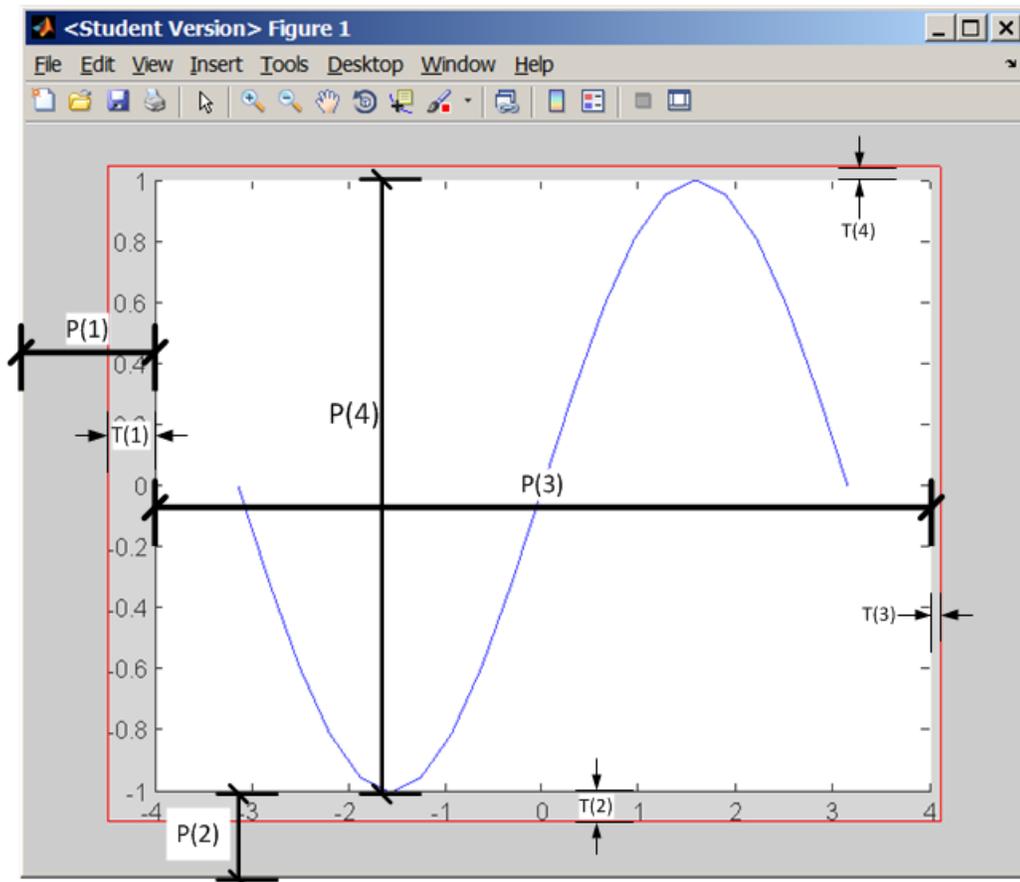
```
>which matlab
/usr/local/MATLAB/R2015a/bin/matlab
```

3. Basic into to using symbolics, collected from MATLAB demo with editing and new additions I have added. HTML

4. More notes on Matlab symbolics HTML

5. Step by step instruction to create a new Matlab .m file HTML

This image shows the Matlab plot/figure main dimensions

Note added: Nov 11, 2012
This shows Matlab 'Position' and 'TightInset' dimensions. The code below
shows how this plot was generated.


```
close all
x = -pi:pi/10:pi;
plot(x,sin(x));
p = get(gca,'Position');
t = get(gca,'TightInset');

annotation('rectangle',[p(1)-t(1),p(2)-
t(2),t(1)+p(3)+t(3),t(2)+p(4)+t(4)],...
    'FaceAlpha',.2,'FaceColor','white','EdgeColor','red');
```