

Matlab notes, symbolics, creating new file

Nasser M. Abbasi

sometime in 2003 page compiled on July 9, 2015 at 10:31pm

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

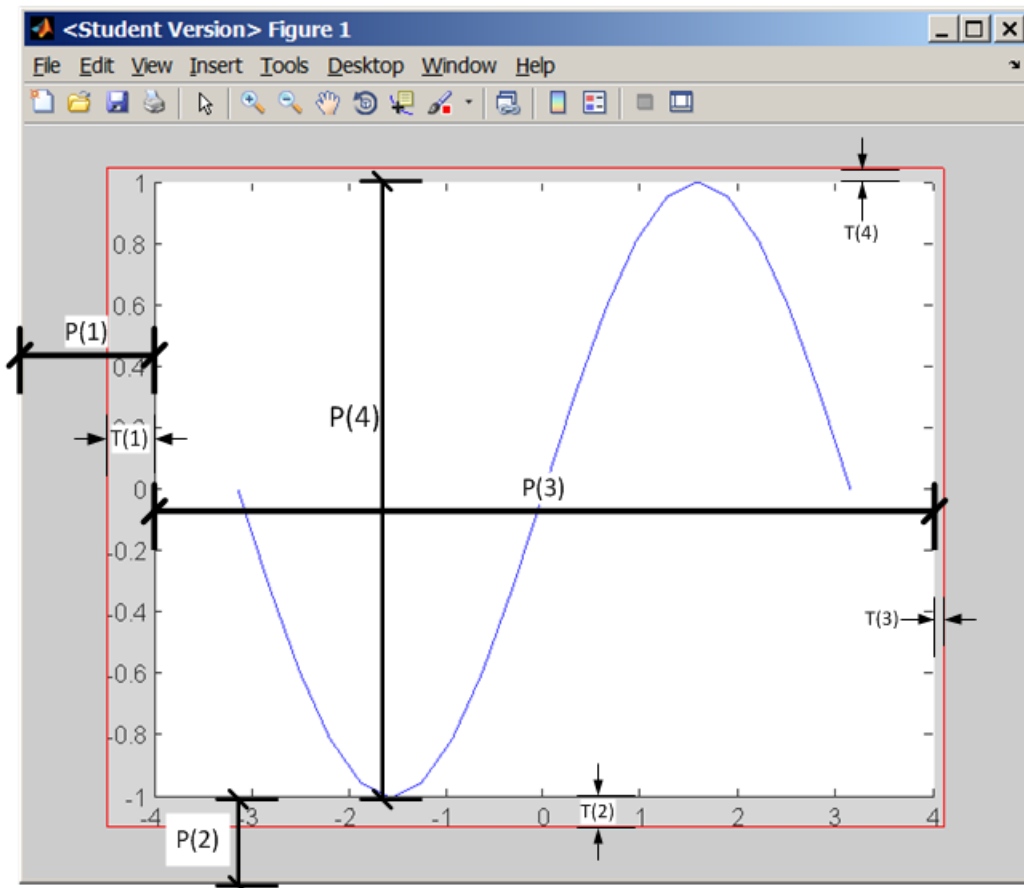
```
>which matlab  
/usr/local/MATLAB/R2015a/bin/matlab
```

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');
```