

# Saving your Figure: Font Sizes and Line Weights

There is a difference between screen mode and presentation mode:

## screen mode vs. presentation mode:

- Matlab defaults work great on a screen, **too small** for presentations!
- don't be the guy that says "Well sorry, you can't read this ..." there is a cure!
- two functions help: `get`, `set`
- 'property', 'value' pairs help in respective functions (`title`, `(x,y,z)label`,...)

## List of Figure/Axis Properties:

try: `plot(0:10,0:10)`, `get(gcf)`, `get(gca)`

check:

[http://www.mathworks.com/help/techdoc/ref/axes\\_props.html](http://www.mathworks.com/help/techdoc/ref/axes_props.html)

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## Change Figure/Axis Properties:

```
clear all, clc, close all;  
  
%plot some data  
plot(0:10:100, 0:10, 'rx-');  
  
%change axis defaults  
set(gca, 'FontSize', 12, 'FontWeight', 'bold', 'FontAngle', 'oblique', ...  
      'XAxisLocation', 'top')  
  
%now for the labeling  
title('Depth plot', 'FontSize', 20, 'FontAngle', 'normal');  
xlabel('Distance (km)');  
ylabel('Depth (km)');  
  
%now for non-default ticks  
set(gca, 'XTick', 0:10:100, ...  
      'YMinorTick', 'on', ...  
      'YDir', 'reverse')           %reverse y-direction to allow for  
                                   %positive depth values
```