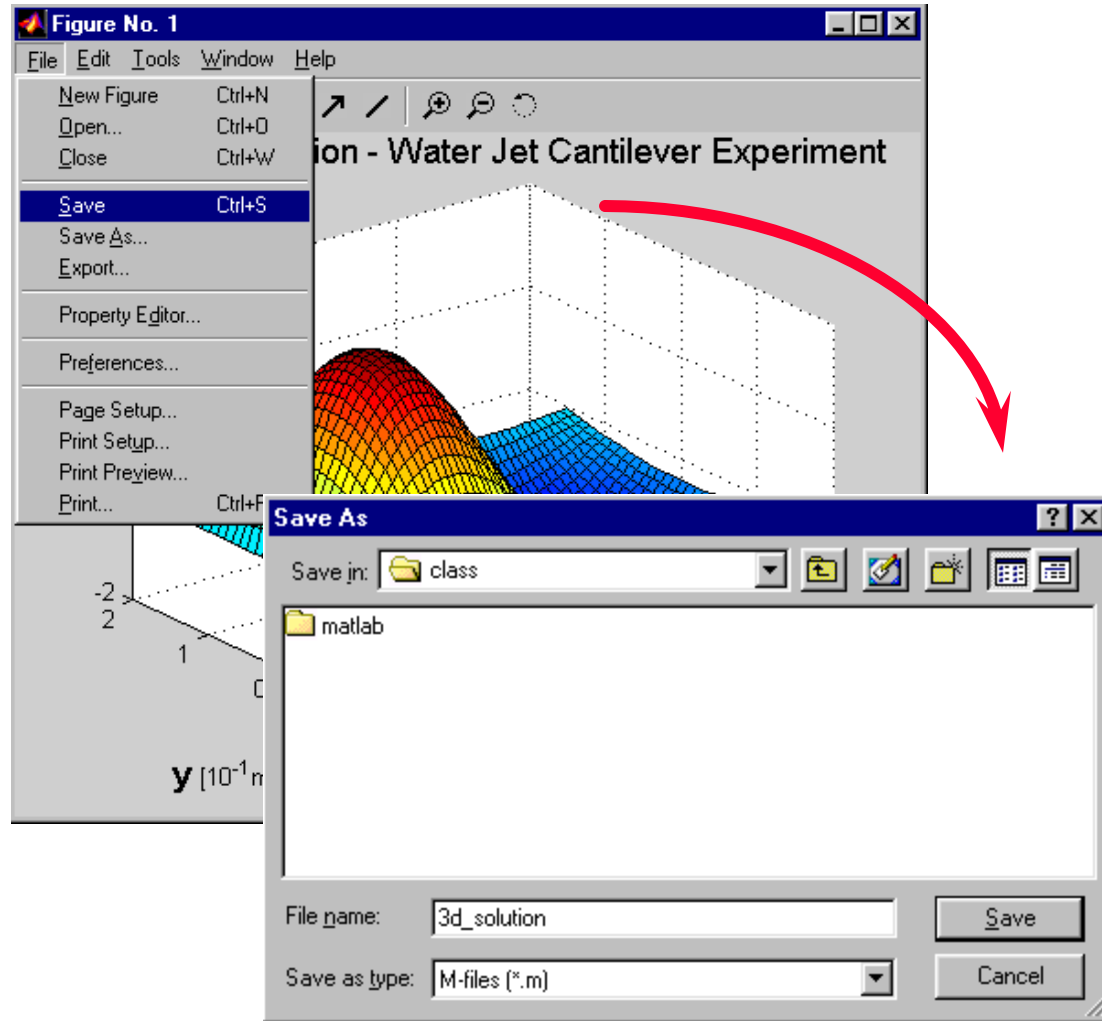


Printing and Saving plots

Print/Save into different formats

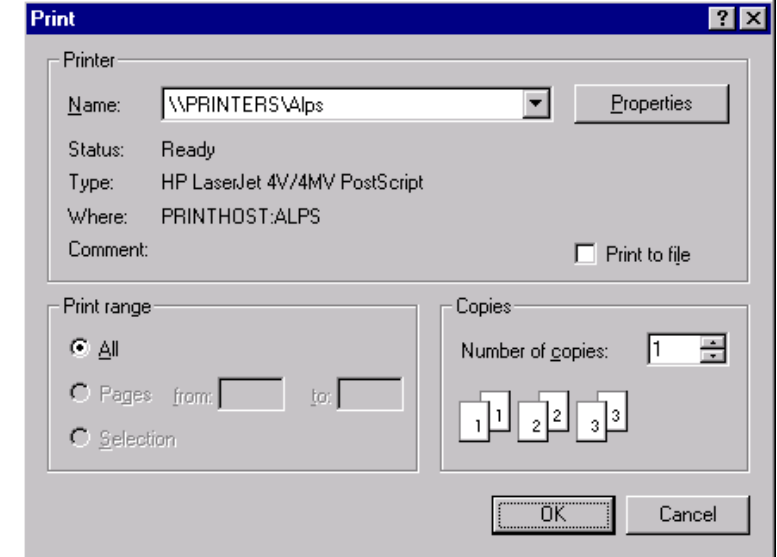
Saving Figures



Printing Figures

using the Dialog Box:
File Menu / Print...

>>printdlg



Export Axes as Image File

- **exportgraphics** - Save plot or graphics content to file
- Create a line plot and get the current axes. Then save the contents of the axes as a **JPEG** file.
- `>> plot(rand(5,5))`
- `>> ax = gca;`
- `>> exportgraphics(ax, 'LinePlot.jpg');`

Specify Image Resolution

- Display an image and get the current axes. Then save the contents of the axes as a 300-DPI JPEG file.
- `>> I = imread('peppers.png');`
- `>> imshow(I);`
- `>> ax = gca;`
- `>> exportgraphics(ax,'Peppers300.jpg','Resolution',300);`

Export Figure

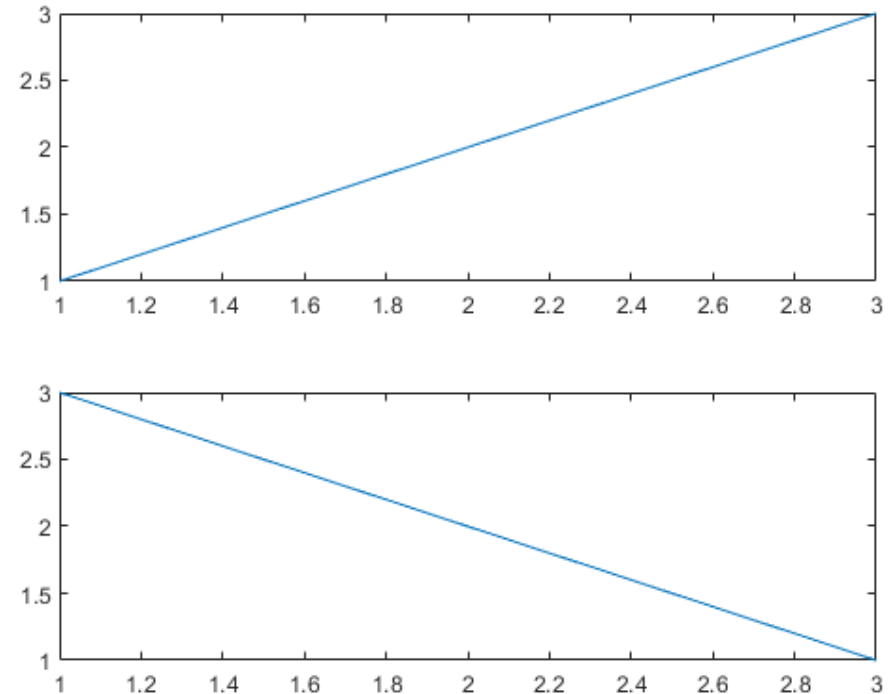
- Display a plot with an annotation that extends beyond the bounds of the axes.
 - Save the contents of the figure as a PDF file.
-
- `>> plot(1:10);`
 - `>> annotation('textarrow',[0.06 0.5],[0.73 0.5],'String','y = x ');`
 - `>> f = gcf;`
 - `>> exportgraphics(f,'AnnotatedPlot.pdf');`

Export Multipage PDF

- Create a line plot and save the contents of the axes to the file myplots.pdf
- `>> plot([0 0.3 0.1 0.6 0.4 1]);`
- `>> ax = gca;`
- `>> exportgraphics(ax,'myplots.pdf');`
- Next, create a bar chart and save the contents of the axes as a second page in myplots.pdf.
- `>> bar(1:10);`
- `>> exportgraphics(ax,'myplots.pdf','Append',true);`

Export Tiled Chart Layout

- Display two plots in a tiled chart layout. Then save both plots as a PDF by passing the TiledChartLayout object to the exportgraphics function.
- `>> t = tiledlayout(2,1);`
- `>> nexttile`
- `>> plot([1 2 3])`
- `>> nexttile`
- `>> plot([3 2 1])`
- `>> exportgraphics(t,'Layout.pdf')`



Saving and opening FIG-File

- Save Current Figure to FIG-File
- **>> figure**
- **>> surf(peaks)**
- **>> savefig('PeaksFile.fig')**
- To open the saved figure
- **>> openfig('PeaksFile.fig');**

saveas

- Save figure to **specific file format** defined by the file **extension**.
 - If you do not specify an extension, then saveas saves the figure to a **FIG-file**. To save the current figure, specify fig as **gcf**.
- Create a bar chart and save it as a PNG file.
- `>> x = [2 4 7 2 4 5 2 5 1 4];`
- `>> bar(x);`
- `>> saveas(gcf,'Barchart.png');`

print

- Print figure or save to specific file format
- Create a plot and save it as a PNG image file.
- `>> bar(1:10)`
- `>> print('BarPlot','-dpng')`
- Use `'-djpeg'` for JPG and `'-dpdf'` for full page Portable Document Format (PDF) in color