L15: class exercise

Try to implement/solve the following problems in MATLAB.

Plotting

1) Use the MATLAB **peaks()** function to generate X,Y and F meshes that have dimensions 40x40.

2) Plot the data as a surface (i.e. use **surf()**) with the colormap 'jet'. Add a colorbar with a color label. Use the **hold on** command and use **imagesc()** to plot the matrix image.

Question: What kind of plot does this make. Desribe the plot.

3) Add 10 to the function F and redo the steps in part 2).

Question: What does the image now look like?

Question: What is adding 10 to the function F actually doing to the plot?