(Writing in progress)

Handling a function in Matlab

- 1. Defining functions
 - Anonymous function: funcName = @(inVar) funcExprs
 - Inline function: funcName = inline(funcExprs, inVar1, inVar2, ...)
 - Using function: function outVar = funcName(inVar1, inVar2, ...){ funcExprs }

Graphs of functions

- 1. Plotting single variable functions: plot
 - Decorating options: color and marking, linewidth, markersize
 - Multiple drawing: hold on, hold off, drawnow
- 2. Plotting 2-variable functions: surf, mesh
 - How to use meshgrid
 - Predefined grid for sphere: sphere
- 3. Drawing implicit graphs
 - Implicit plots in 2d and 3d: implicit, implicit3
 - Plotting contour lines: contour, contour3
- 4. Adding legends
 - Titles, x and y-labels: title, xlabel, ylabel
 - Adding texts: text
 - Adding legends: legend

Scatter plot and regression

- 1. Drawing scatter plot: scatter
- 2. Finding regression line: regress (Need Statistics and Machine Learning Toolbox)
- 3. Drawing histogram: histogram