Some Useful MATLAB® Commands

- % indicates a comment
- **A = [23, 25, 49, 44, 25];** %Creates an row vector of data
- **B = logspace(1,3,5);** %Creates logarithmically spaced row vector of 5 elements from 10^1 to 10^3
- **C = linspace(1,20,51);** %Creates a linearly spaced row vector with 51 elements from 1 to 20
- **semilogx(B,A);** %Plots a semilog graph of vectpr A (ordinate) vs. vector B (abscissa) with the data shown as a solid line
- **semilogx(B,A,'–');** %Plots a semilog graph of vector A (ordinate) vs. vector B (abscissa) with the data shown as a dashed line
- **semilogx(B,A,o);** %Plots a semilog graph of vector A (ordinate) vs. vector B (abscissa) with the data shown as points labeled as 'o'
- **plot(B,A);** %Plots a linear graph of vector A (ordinate) vs. vector B (abscissa) with the data shown as a solid line
- **plot(B,A,'–');** %Plots a linear graph of vector A (ordinate) vs. vector B (abscissa) with the data shown as a dashed line
- **plot(B,A,o);** %Plots a linear graph of A (ordinate) vs. vector B (abscissa) with the data shown as points labeled as 'o'
- **grid on; box on;** % Puts in grid lines and draws a box around the plot
- **ylabel(Voltage (mV));** %This does what you would expect
- **xlabel(Frequency (Hz));** %This does what you would expect
- **title(['Figure Title ', date]);** %Places a title with the date above the figure
- **help command** %Displays information about the command
- **doc command** %Displays reference page in the Help browser
- **lookfor keyword** %Search all MATLAB files for the keyword