

## 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