**MatLab Documentation (By: Wee Hong Han)**

Plot 2D Graph With Best Fit Line

<variable1> = polyfit(<x\_axis>, <y\_axis>, <power>);

<variable2> = polyval(<variable\_name1>, <x\_axis>);

plot(<x\_axis>, <y\_axis>, ‘\*’, <x\_axis>, <variable\_name2>, ‘:’);

Zero Matrix (Initialization)

zeros(<row>, <colomn>);

Matrix Declaration With Constant Increment

<variable> = <start> : <increment> : <end>;

Modulus

<variable> = mod(<variable>, <modulo\_value>);

Set Display Format For Output

format <style>; <http://www.mathworks.com/help/matlab/ref/format.html>

Display

disp(<matrix>);

Label Axes

xlabel(‘<x\_label>’);

ylabel(‘<y\_label>’);

zlabel(‘<z\_label>’);

Clear All Objects/Variables

clear classes

Clear Screen

clc