III-2 HW 2-16

1. step 1: Use Help for the plot 3-D

Step2: select one kind of 3-D plot and plot it using your data.

step 3: change some properties of the plot. and record the procedure.

2. Use 2-D plot line to plot following function: $y = f(x)$ for $x = -\pi : \pi/10 : \pi$.

(a) $y = e^{-x}\cos x$ (b) $y = e^{-x}\sin x$

(c) $y = \sin x/(x+1)$ (d) $y = 4\cos x + 3\sin x$

Hint: refer to plot2Dlinetable.pdf to change the properties of the plot.

3. Use the score.m to input scores of 10 students and calculate ~~the~~ average and standard deviation, maximum, minimum of each course. And save the data.

4. Find the solution of the following ~~Standard~~ equation

$$x_1 - 3x_2 = -5.$$
$$x_2 + 3x_3 = -1$$
$$2x_1 - 10x_2 + 2x_3 = -20.$$

Find the solution = $X = \begin{pmatrix} x_1 \\ x_2 \\ x_3 \end{pmatrix}$ using matlab.