Some Simple Parametric Plots in MATLAB

set *t* interval as [0, 2π] in steps of ..01

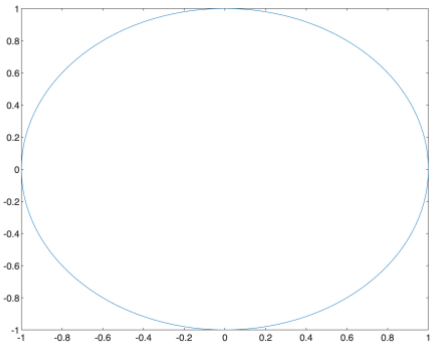
```
t = [0 : .01 : 2*pi]
```

t = *1×629*

```
    0    0.0100    0.0200    0.0300    0.0400    0.0500    0.0600 ⋯
```

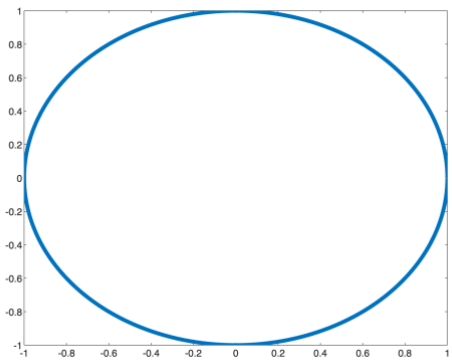
Simple plot of Unit Circle

```
plot( cos(t), sin(t))
```



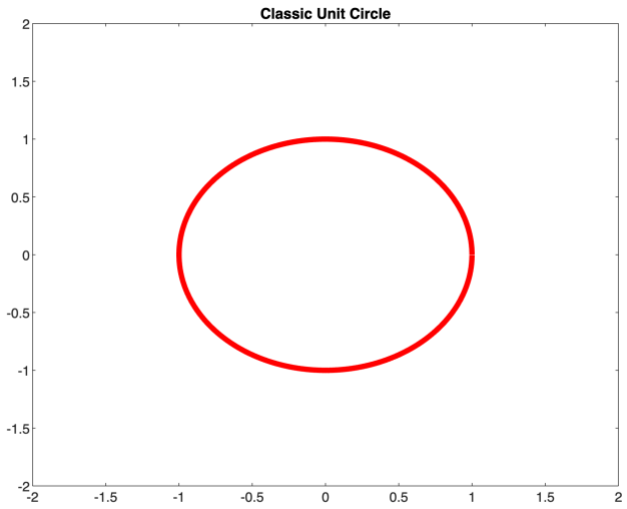
Change width of curve plot

```
plot( cos(t), sin(t), 'LineWidth',4)
```



Choose different color for plot, limits on axes, and include title:

```
plot( cos(t), sin(t), "red", 'LineWidth',4)
title('Classic Unit Circle')
xlim( [-2,2])
ylim( [-2,2])
```



Plot of a Helix in 3 dimensions

```
t = [0 :.01: 8*pi];
plot3( cos(t), sin(t), 2*t,'LineWidth',4 )
```