

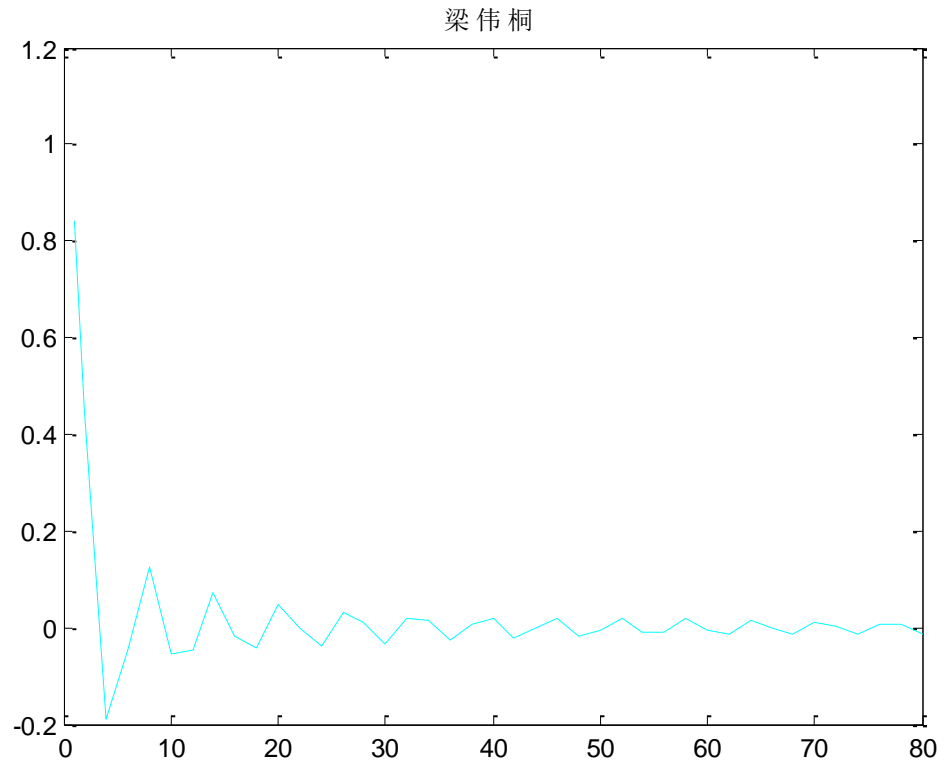
梁伟桐 150800325

一、

1. `zeros(2,3);`
`ones(5);`
2. `b = 3,6`
`c = 6`
3. `ismember(2,C);`
4. `t = [0,2,4,6,8,10]`
`t(end) = 10`

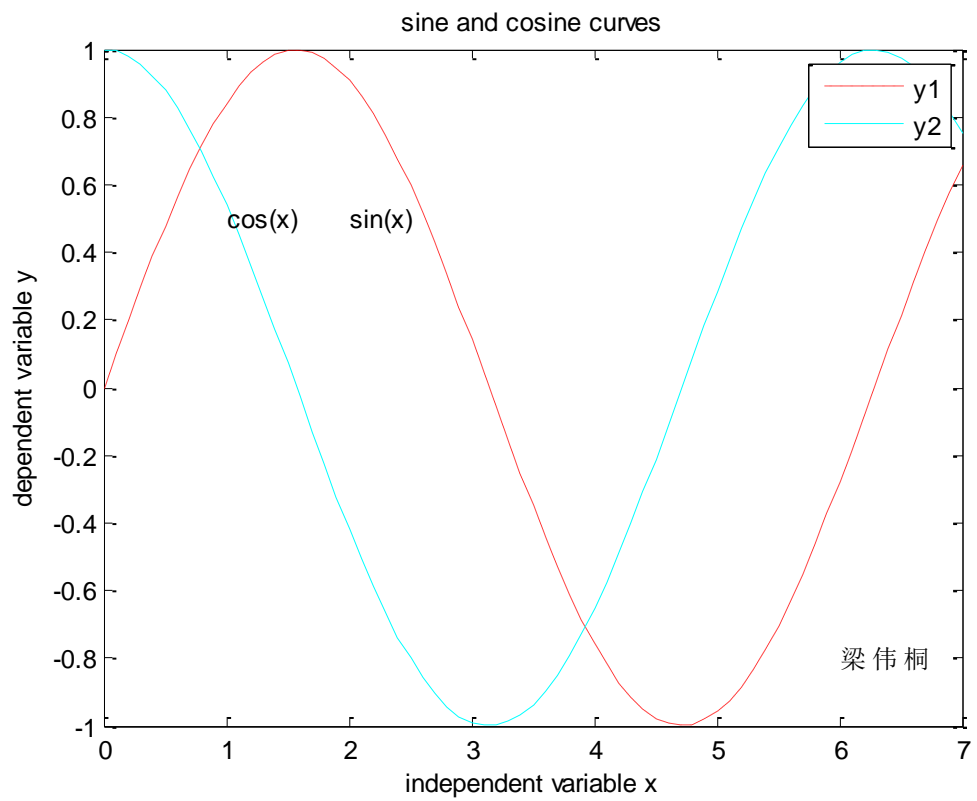
二、

1.
`X1 = logspace(10^-10,1,10);`
`X2 = [2:2:80];`
`x = X1 + X2;`
2.
`x = [1,2:2:80];`
`y = sin(x)./x;`
`plot(x,y,'c');`
`title('梁伟桐');`



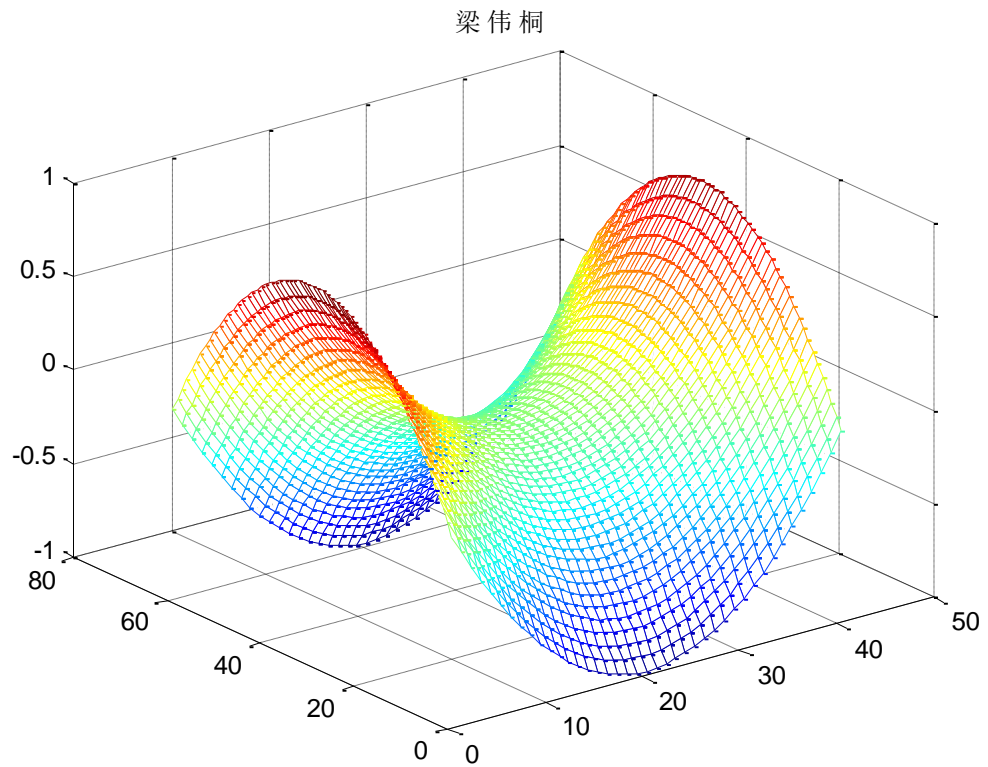
3.

```
x = 0:.1:7;  
y1 = sin(x);  
y2 = cos(x);  
plot(x,y1,'--r',x,y2,'c');  
title('sine and cosine curves');  
xlabel('independent variable x');  
ylabel('dependent variable y');  
legend('y1','y2');  
text(2,0.5,'sin(x)');  
text(1,0.5,'cos(x)');  
text(6,-0.8,'梁伟桐');
```



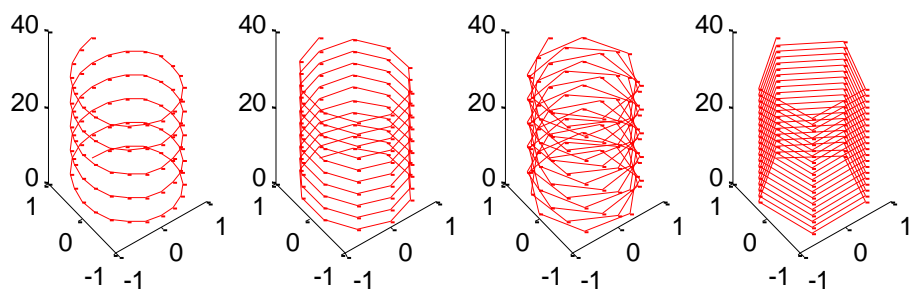
4.

```
[x,y] = meshgrid(-2:.1:2,-3:.1:3);  
z = (x.^2)./4 - (y.^2)./9;  
mesh(z);  
title('梁伟桐');
```



5.

```
t = 0:.1*pi:10*pi;  
  
for i=1:1:8  
    x = sin(i*t);  
    y = cos(i*t);  
    hold on;  
    subplot(2,4,i);plot3(x,y,t,'r');  
end  
  
title('梁伟桐');
```



梁伟桐

