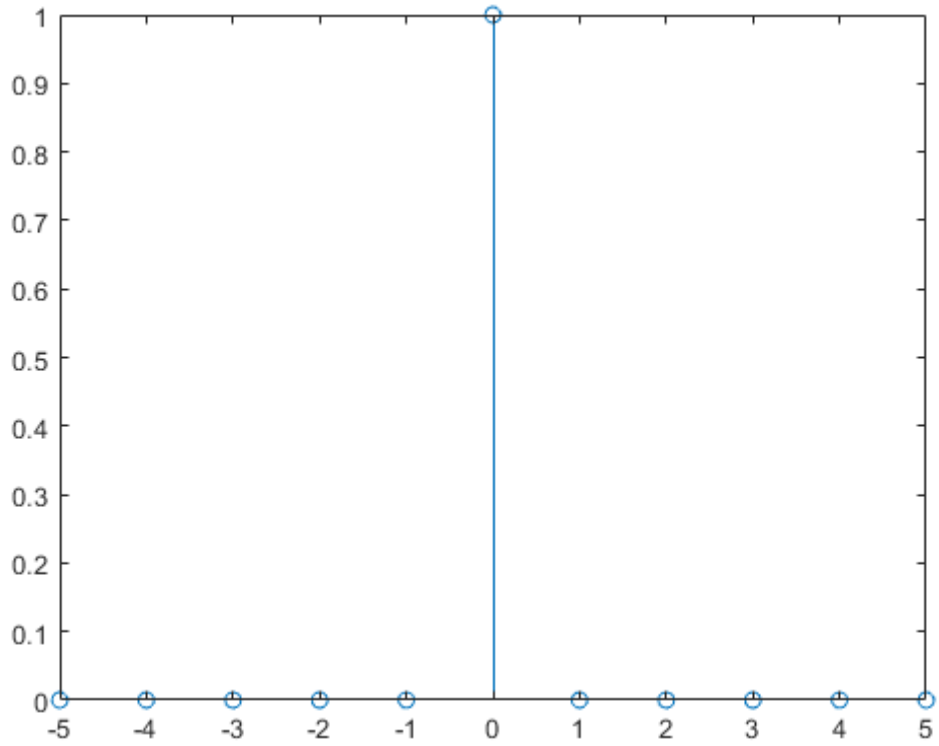
Contents


```
% Generation of elementary signal
%Aditya Arya - 1MS19EE004
```

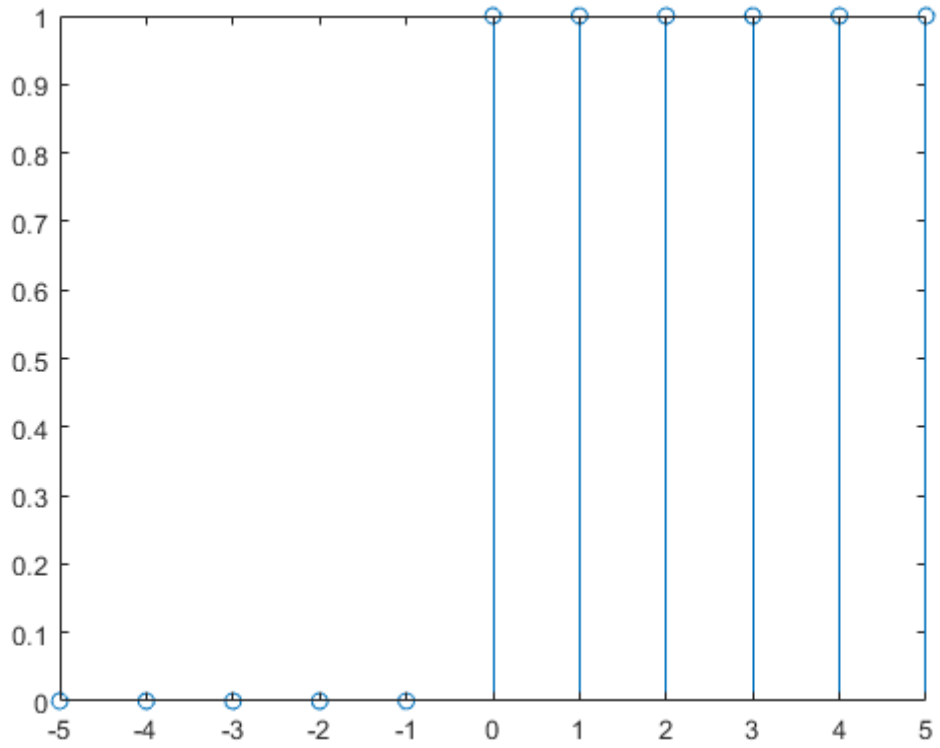
impulse function

```
n = -5:1:5;
del = (n==0);
stem(n,del);
```



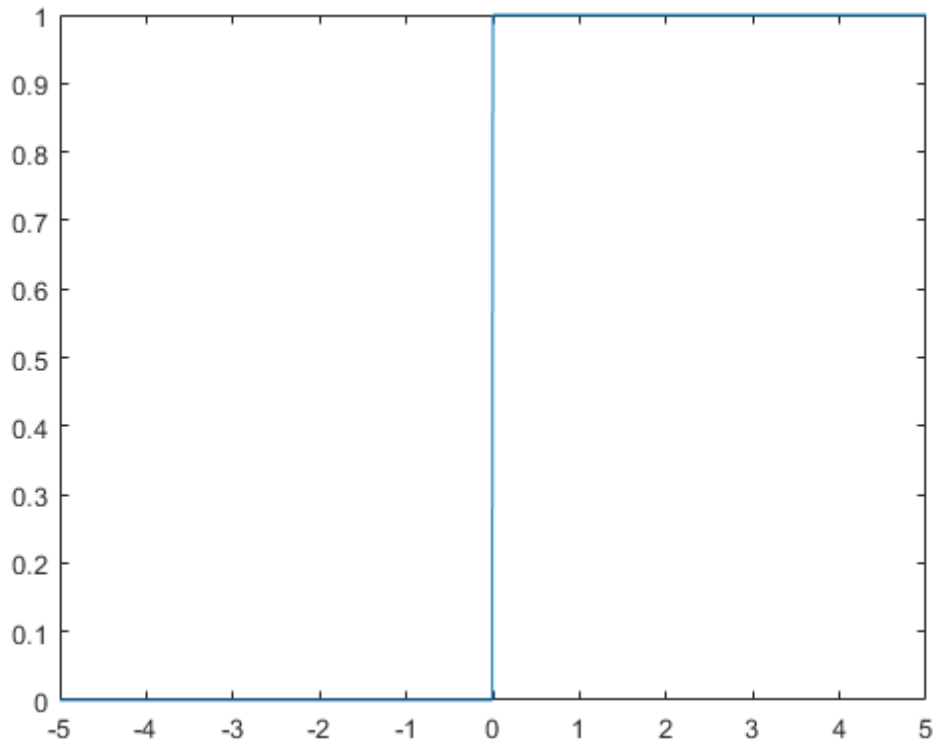
step fuction

```
u =(n>=0);
stem(n,u);
```



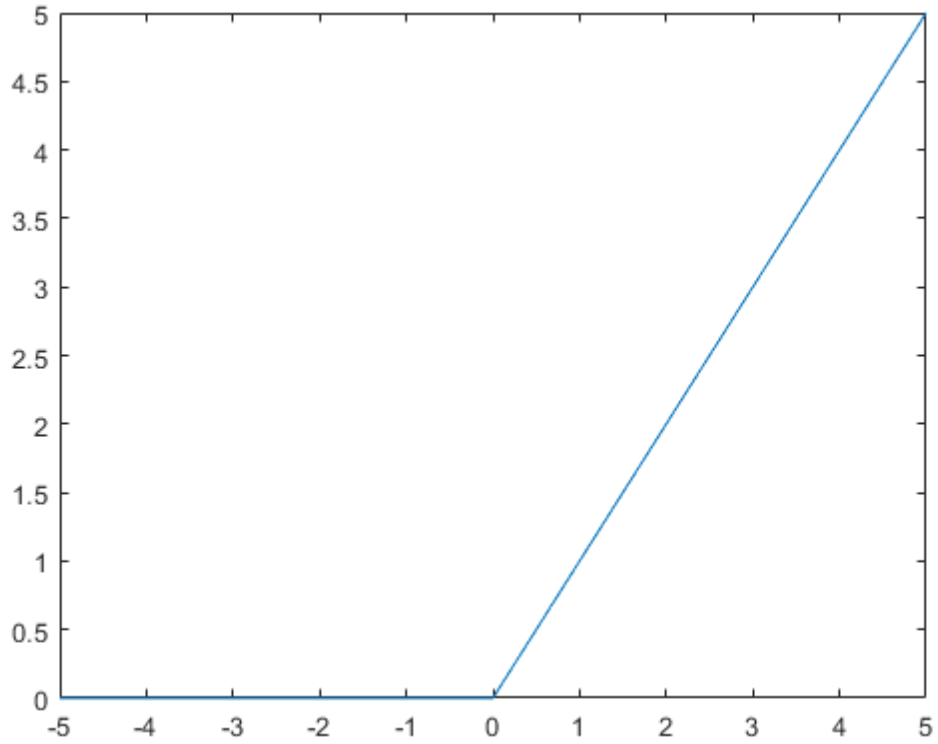
step function cont.

```
n = -5:0.01:5;
u =(n>=0);
plot(n,u);
```



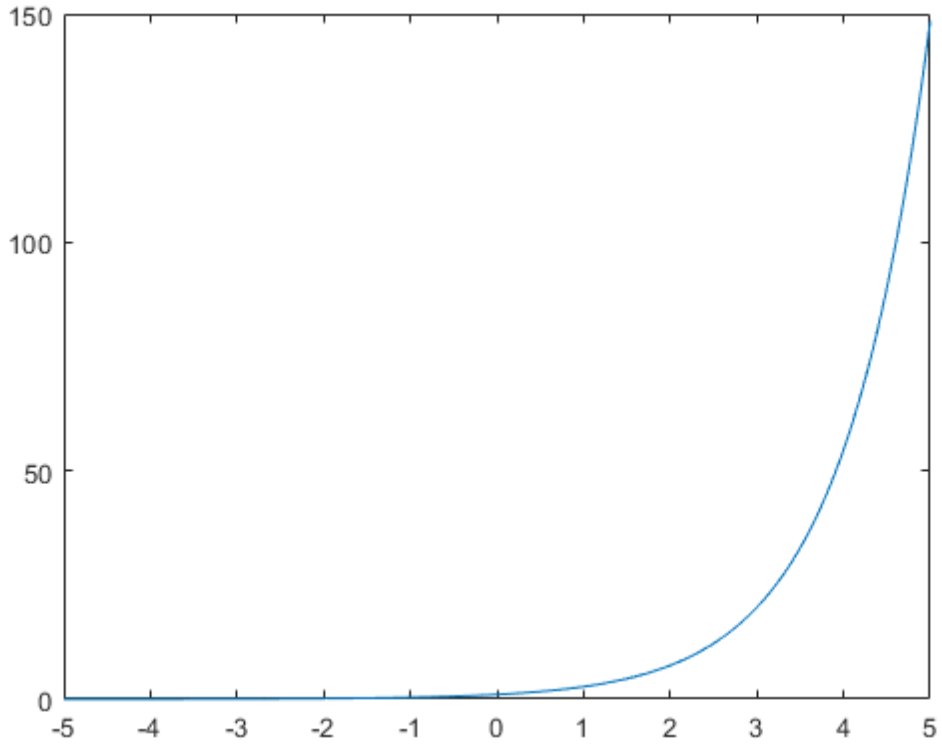
ramp function

```
r= n.*u;
plot(n,r);
```



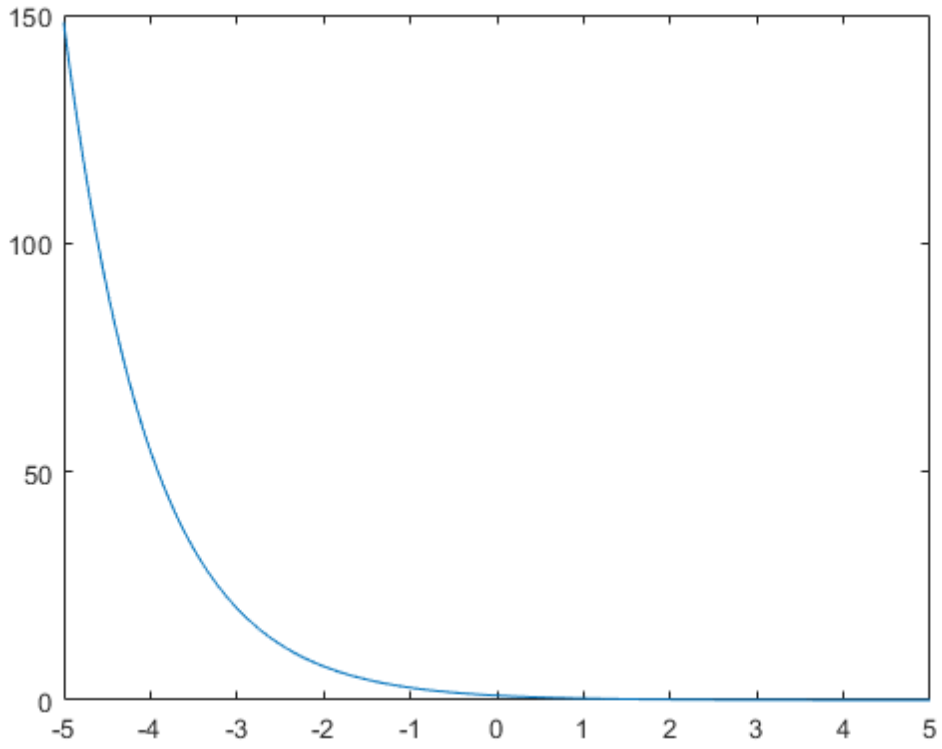
exponential-increasing

```
t= -5:0.01:5;
r = exp(t);
plot(t,r);
```



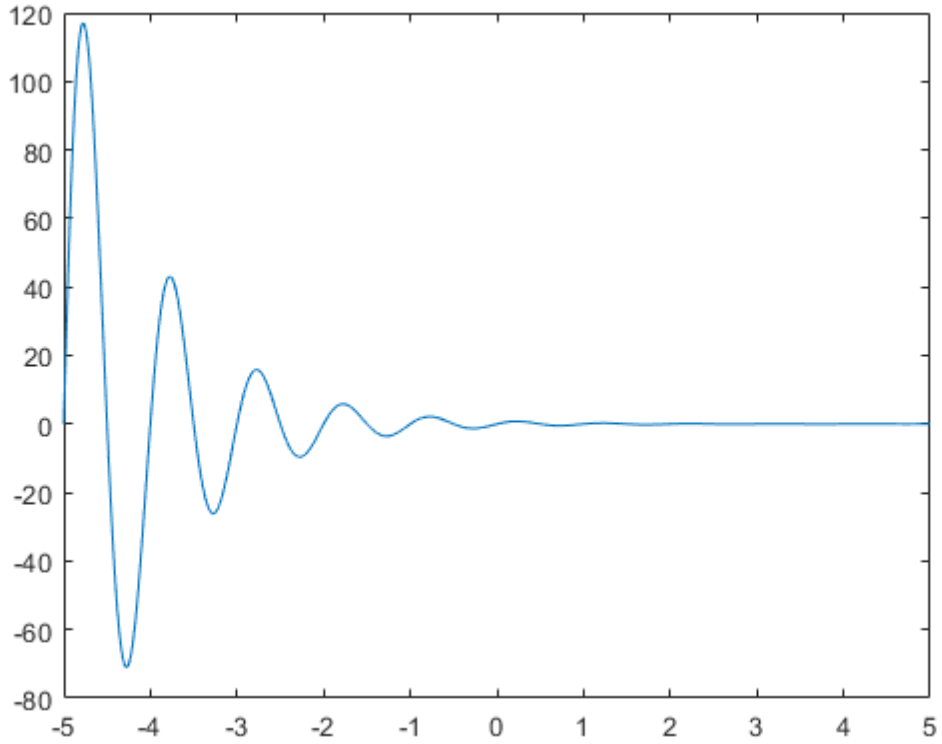
exponential-decreasing

```
r = exp(-t);
plot(t,r);
```



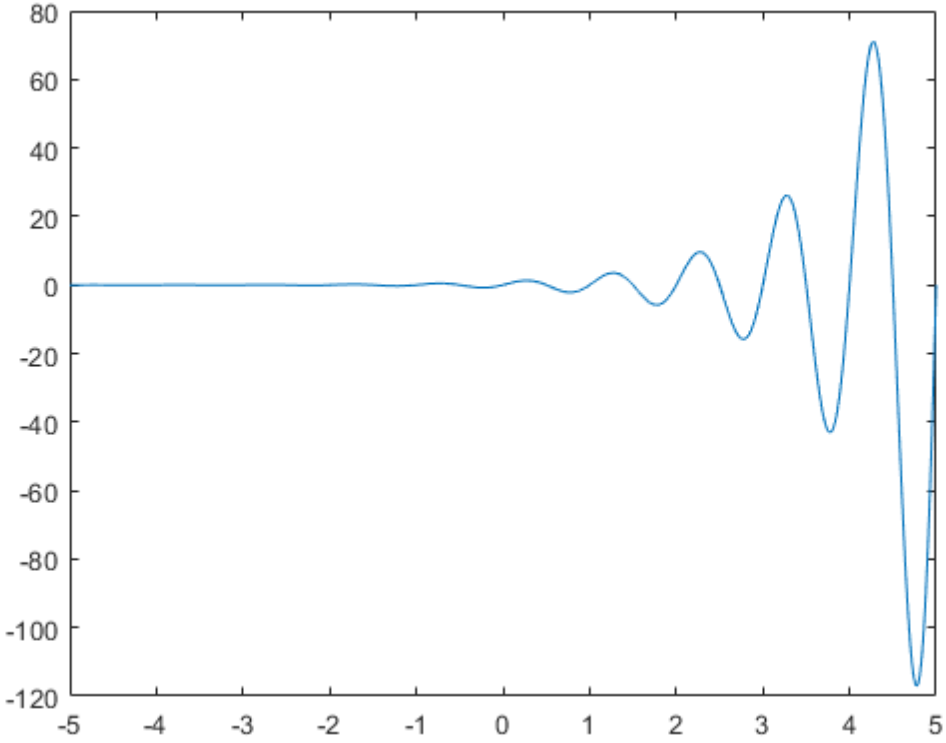
sinusoidal decreasing cont.

```
r = exp(-t).*sin(2*pi*t);
plot(t,r);
```



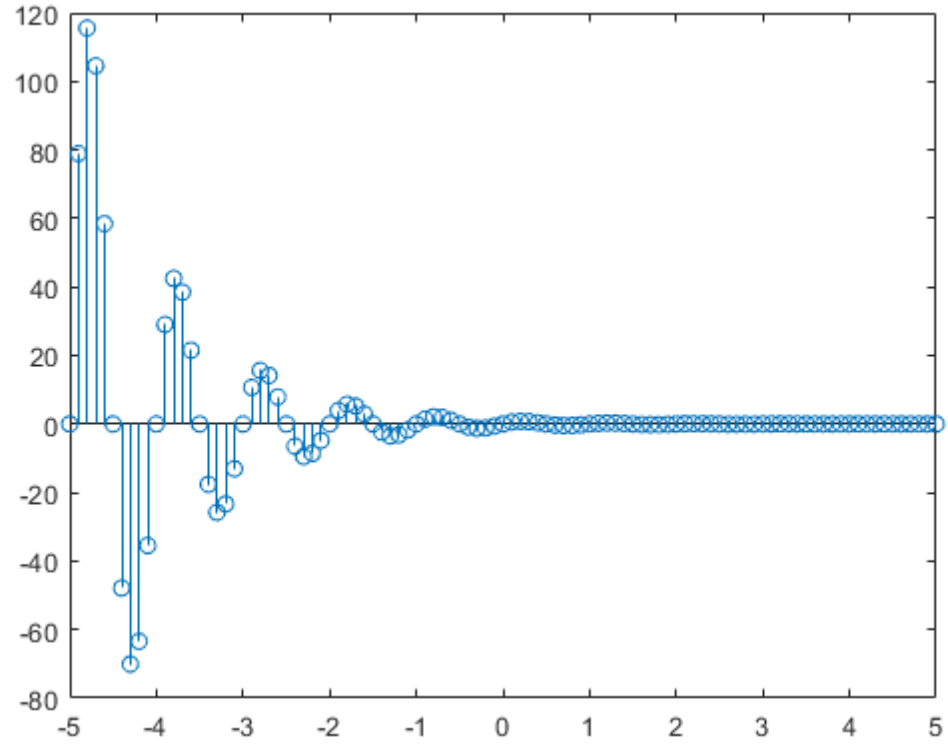
sinusoidal increasing cont.

```
r = exp(t).*sin(2*pi*t);
plot(t,r);
```



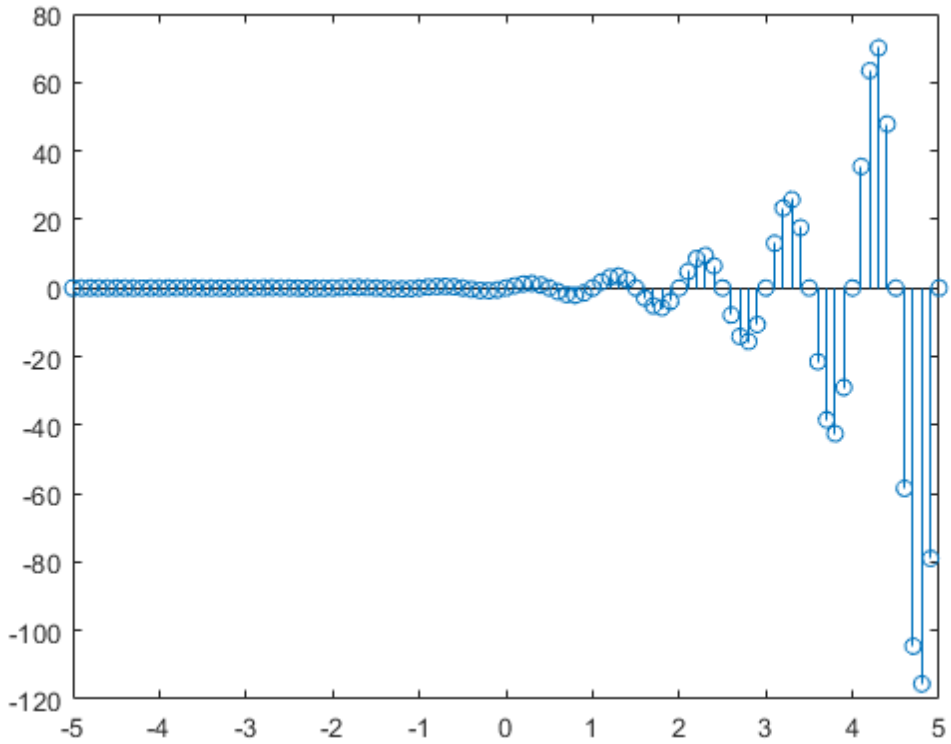
sinusoidal decreasing discrete

```
n=-5:0.1:5;
r = exp(-n).*sin(2*pi*n);
stem(n,r);
```



sinusoidal decreasing discrete

```
n=-5:0.1:5;
r = exp(n).*sin(2*pi*n);
stem(n,r);
```



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