

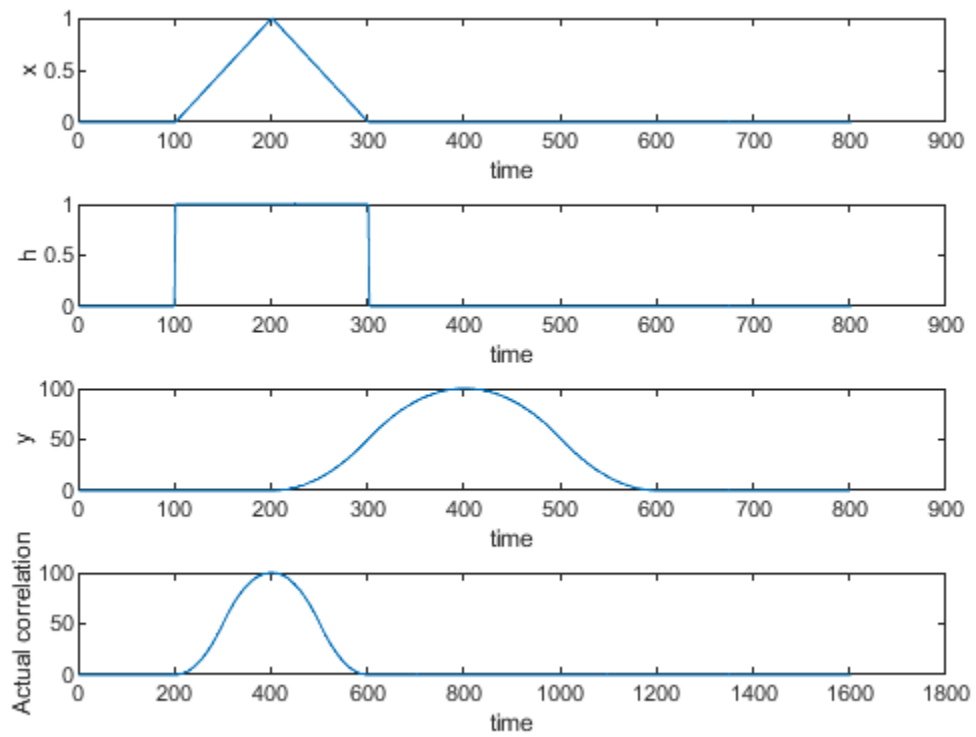
---

```
clc;
clear all;
close all;
t=-2:0.01:2;
var=length(t);
x=zeros(1,var);
h=zeros(1,var);
for i=1:var
    if (t(i)>-1 && t(i)<=0)
        x(i)=t(i)+1;
    elseif (t(i)>0 && t(i)<1)
        x(i)=1-t(i);
    else
        x(i)=0;
    end
end
for i=1:var
    if(t(i)>=-1 && t(i)<=1)
        h(i)=1;
    else
        h(i)=0;
    end
end
n=length(x);
m=length(h);
x=[x,zeros(1,n)];
h=[h,zeros(1,m)];
y1=conv(x,h);
a=n+m-1;
temp=h;
fliplr(h);
for i=1:a
    y(i)=0;
    for j=1:i
        y(i)=x(i-j+1)*h(j)+y(i);
    end
end
subplot(411);
title("2lucc015");
plot(x);
xlabel("time");
ylabel("x");
subplot(412);
plot(temp);
xlabel("time");
ylabel("h");
subplot(413);
plot(y);
xlabel("time");
ylabel("y");
subplot(414);
plot(y1);
```

---

---

```
xlabel("time");  
ylabel("Actual correlation");
```



*Published with MATLAB® R2022b*