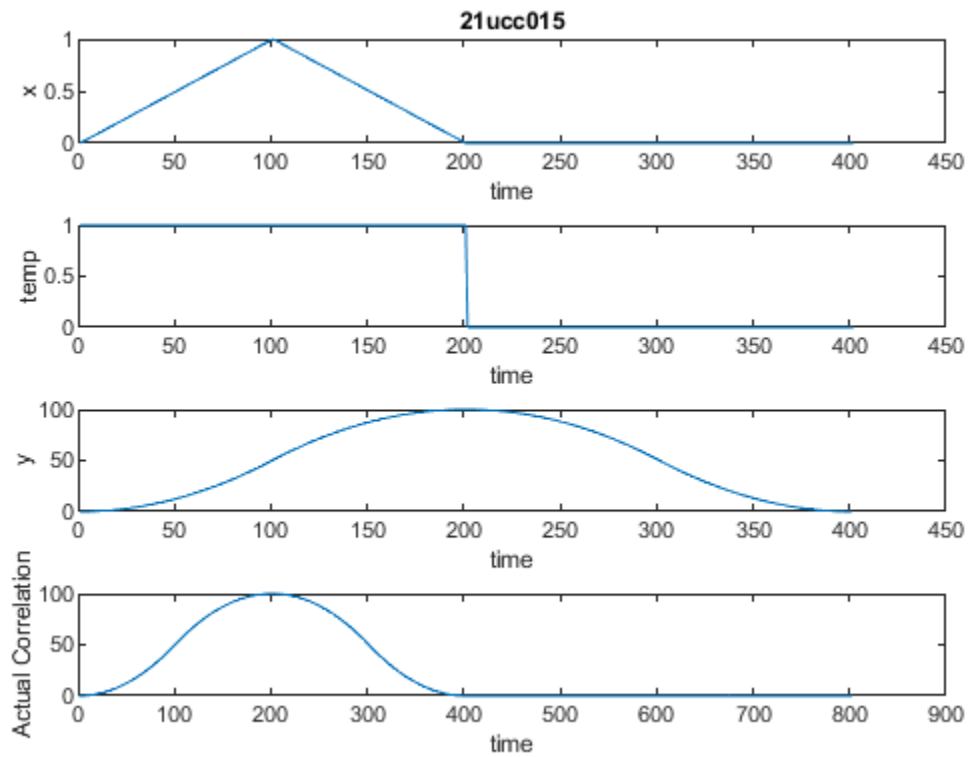

```
clc
clear all
close all
t=-1:0.01:1;
len=length(t);
y=-2:0.01:2;
x=zeros(1,len);
h=zeros(1,len);
leny=length(y);
for i=1:len
    if t(i)<0
        x(i)=t(i)+1;
        h(i)=1;
    elseif t(i)>=0
        x(i)=-t(i)+1;
        h(i)=1;
    if t(i)==-1
        h(i)=0;
    if t(i)==1
        h(i)=0;
    end
    end
    end
end
n=length(x);
m=length(h);
if (m>n)
    x=[x zeros(1,m-n)];
elseif (n>m)
    h=[h zeros(1,n-m)];
end
n=length(x);
m=length(h);
x=[x zeros(1,n)];
h=[h zeros(1,m)];
a=m+n-1;
temp=h;
for i=1:m+n-1
    y(i)=0;
    for j=1:i
        y(i)=y(i)+x(i-j+1)*h(j);
    end
end
end
h=fliplr(h);
y1=xcorr(x,h);
subplot(411);
plot(x);
xlabel("time");
ylabel("x");
title("21ucc015");
subplot(412);
plot(temp);
```

```

xlabel("time");
ylabel("temp");
subplot(413);
plot(y);
xlabel("time");
ylabel("y");
subplot(414);
plot(y1);
xlabel("time");
ylabel("Actual Correlation");

```



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