

MATLAB R2018a

HOME PLOTS APPS EDITOR PUBLISH VIEW

C:\Program Files\MATLAB\R2018a\bin

Current Folder

- arch
- m3iregistry
- registry
- util
- win32
- win64
- deploytool.bat
- lcdata.xml
- lcdata.xsd
- lcdata_utf8.xml
- matlab.exe
- mbuild.bat
- mcc.bat
- mex.bat
- mex.pl
- mexext.bat
- mexsetup.pm
- mexutils.pm

Details

Workspace

Name	Value
C	100000000
dV	1x1 symfun
I	1x1 symfun
In	1x1 symfun
P	1x1 symfun
Pn	1x1 symfun
t	1x1 sym
tn	1x36 double
V	1x1 symfun
Vn	1x1 symfun

Editor - C:\Users\user\Desktop\CHRISTIANONE.m

```
CHRISTIANONE.m  CHRISTIANTHREE.mlx  CHRISTIANTWO.mlx  +
1 -  commandwindow
2 -  clear
3 -  clc
4 -  a=[1 -2 -1 3 ; 2 3 0 1 ; 1 0 -4 -2 ; 0 1 3 1]
5 -  b=[10 ; 8 ; 3 ; -7]
6 -  c=inv(a)
7 -  x=c*b
```

Command Window

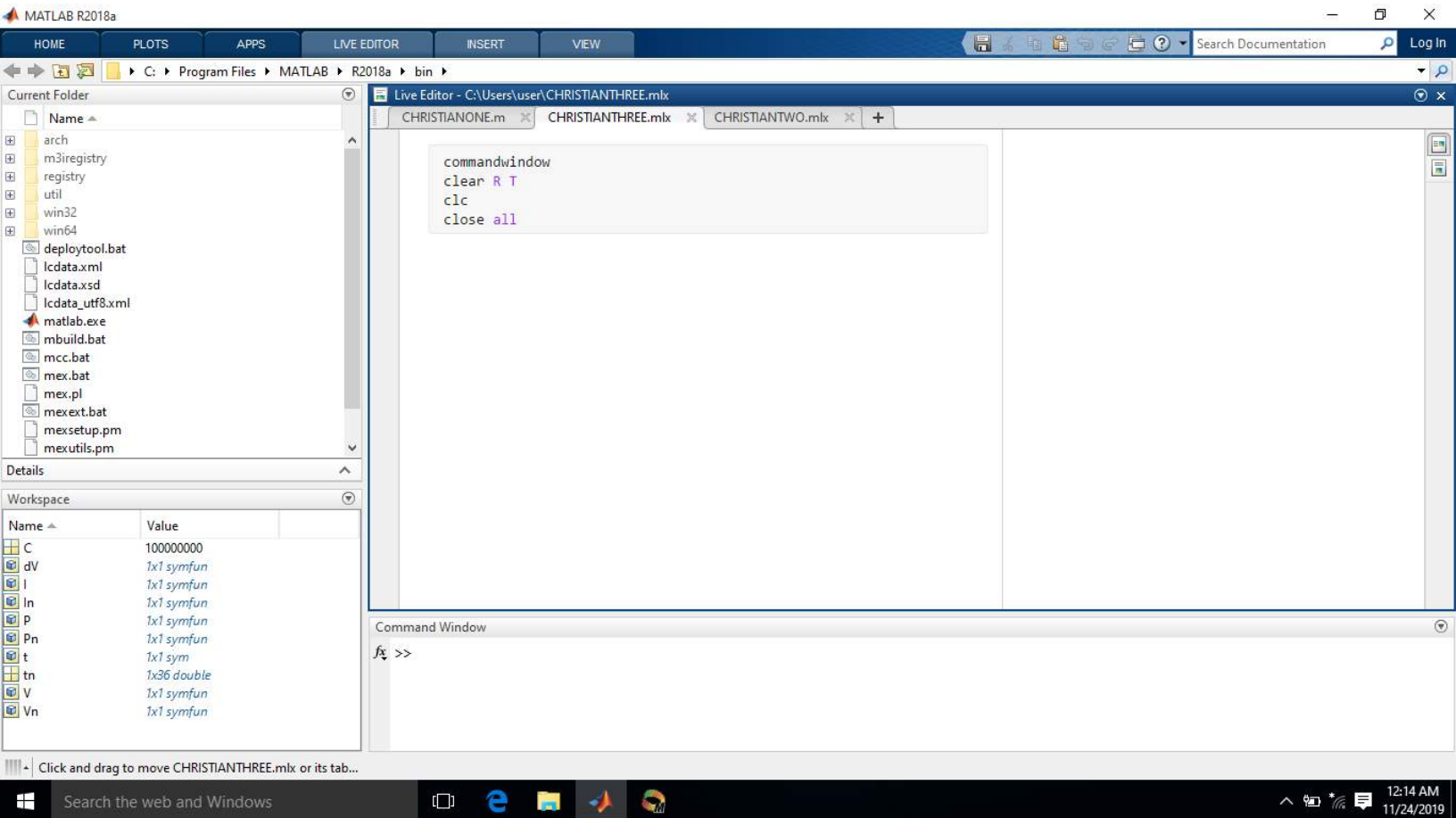
```
f >>
```

Click and drag to move CHRISTIANONE.m or its tab...

Ln 1 Col 1

Search the web and Windows

12:14 AM 11/24/2019



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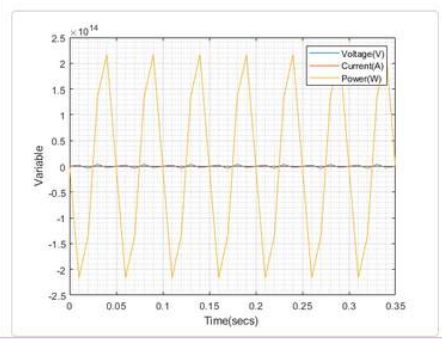
```

commandwindow
clear
clc
close all
syms t
V(t)=110*cos(120*pi*t)
C=100.*(10.^6)
dV=diff(V)
I=C*dV
P=V(t)*I
tn=[0:0.01:0.35]
Vn=subs(V,tn)
In=subs(I,tn)
Pn=subs(P,tn)
plot(tn,Vn,tn,In,tn,Pn)
xlabel('Time(secs)')
ylabel('Variable')
grid on
grid minor
legend('Voltage(V)', 'Current(A)', 'Power(W)')
    
```

where

$$\sigma_1 = 36300000000000 \pi \sqrt{2} \left(\frac{\sqrt{5}-1}{4} \right) \sqrt{\sqrt{5}+5}$$

$$\sigma_2 = 36300000000000 \pi \sqrt{2} \left(\frac{\sqrt{5}+1}{4} \right) \sqrt{5-\sqrt{5}}$$



Command Window

```

>> |
    
```