

HOME PLOTS APPS EDITOR PUBLISH VIEW

New Open Save Find Files Compare Print Go To Find Insert Comment Indent Breakpoints Run Run and Advance Run Section Advance Run and Time

FILE NAVIGATE EDIT BREAKPOINTS RUN

Current Folder

Name

- 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

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

Editor - C:\Users\user\ATUMAONE,.m

```
ATUMAONE.m x ATUMATHREE.m x ATUMATWO.mlx x +
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

[0, -363000000000000*2^(1/2)*pi*(5^(1/2)/4 + 1/4)*(5 - 5^(1/2))^(1/2), -363000000000000*2^(1/2)

fx >>

Click and drag to move ATUMAONE,.m or its tab...

HOME PLOTS APPS LIVE EDITOR INSERT VIEW

New Open Save Find Files Compare Go To Find

Text Normal B I U M

Code % %

Section Break Run Section Run and Advance Run to End

Run Step Stop

FILE NAVIGATE TEXT CODE SECTION RUN

C:\Program Files\MATLAB\R2018a\bin

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Details

Workspace

Name	Value
C	100000000
dV	1x1 symfun
l	1x1 symfun
ln	1x1 symfun
P	1x1 symfun
Pn	1x1 symfun
t	1x1 sym
tn	1x36 double
V	1x1 symfun

Live Editor - C:\Users\user\ATUMATWO.mlx

ATUMAONE.m ATUMATHREE.m ATUMATWO.mlx

```
commandwindow
clear R T
clc
close all
```

Command Window

[0, -363000000000000*2^(1/2)*pi*(5^(1/2)/4 + 1/4)*(5 - 5^(1/2))^(1/2), -363000000000000*2^(1/2)*pi*(5^(1/2)/4

fx >>

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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

```
Editor - C:\Users\user\ATUMATHREE.m
ATUMAONE.m x ATUMATHREE.m x ATUMATWO.mlx x +
1 - commandwindow
2 - clear
3 - clc
4 - close all
5 - syms t
6 - V(t)=110*cos(120*pi*t)
7 - C=100.*(10.^6)
8 - dV=diff(V)
9 - I=C*dV
10 - P=V(t)*I
11 - tn=[0:0.01:0.35]
12 - Vn=subs(V,tn)
13 - In=subs(I,tn)
14 - Pn=subs(P,tn)
15 - plot(tn,Vn,tn,In,tn,Pn)
16 - xlabel('Time (secs)')
17 - ylabel('Variable')
18 - grid on
19 - grid minor
20 - legend('Voltage(V)', 'Current(A)', 'Power(W)')

Command Window
[ 0, -363000000000000*2^(1/2)*pi*(5^(1/2)/4 + 1/4)*(5
fx >>
```

