

MATLAB R2018a

FILE PLOTS APPS EDITOR PUBLISH VIEW

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- mbuild.bat
- mcc.bat
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- mex.pl

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\OLAITANTHREE.m

```

1  OLAITANONE.m x OLAITANTWO.m x OLAITANTHREE.m x
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, -3630000000000000*2^(1/2)*pi*(5^(1/2)/4 + 1/4)*(5
>>

```

Figure 1

Variable

Time(secs)

Legend: Voltage(V), Current(A), Power(W)

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FILE NAVIGATE EDIT BREAKPOINTS RUN

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Editor - C:\Users\user\OLAITANONE.m

- OLAITANONE.m
- OLAITANTWO.m
- OLAITANTHREE.m

```
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, -3630000000000000\*2^(1/2)\*pi\*(5^(1/2)/4 + 1/4)\*(5 - 5^(1/2))^(1/2), -36

EDITOR PUBLISH VIEW

Insert Command Edit Breakpoints Run Run and Advance Run Section Advance Run and Time

FILE NAVIGATE EDIT BREAKPOINTS RUN

C:\Program Files\MATLAB\R2018a\bin

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gistry  
y  
ytool.bat  
.xml  
.xsd  
\_utf8.xml  
.exe  
.d.bat  
at  
at  
Value  
100000000  
1x1 symfun  
1x1 symfun  
1x1 symfun

Editor - C:\Users\user\OLAITANTWO.m

OLAITANONE.m x OLAITANTWO.m x OLAITANTHREE.m x +

```
1 - commandwindow  
2 - clear R I  
3 - clc  
4 - close all
```