

MATLAB R2017a

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Current Folder

Name

- m3registry
- registry
- util
- win64
- deploytool.bat
- lcdata.xml
- lcdata.xsd
- lcdata_utf8.xml
- matlab.exe
- mbuild.bat
- mcc.bat
- mex.bat
- mex.pl

Details

Workspace

Name	Value
A	4x4 double
B	[10;8;3;-7]
C	4x4 double
K	[272;275;270;...]
T	[-1.0000;2.00...

Editor - C:\Users\Erneka\Documents\car3.m

```

car3.m x car4.m x kingstestthree.m x +
1- commandwindow
2- clear
3- clc
4- close all
5- A = [1 -2 -1 3; 2 3 0 1; 1 0 -4 -2; 0 -1 3 1]
6- C = inv(A)
7- B = [10; 8; 3; -7]
8- T = C*B
9- K = 273+ T

```

Command Window

```

-1.0000
2.0000
-3.0000
4.0000

K =

272
275
270
277

fx >>

```

script Ln 1 Col 14

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Details

Workspace

Name ^	Value
A	4x4 double
B	[10;8;3;-7]
C	4x4 double
K	[272;275;270;...

Editor - C:\Users\Emeka\Desktop\mathlabkinggs\kinggstestthree.m

```
car3.m x car4.m x kinggstestthree.m x +
1 - commandwindow
2 - clear R T
3 - clc
4 - close all
```

Command Window

```
fx >>
```

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Details

Workspace

Name	Value
C	1.0000e-04
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\Emeka\Documents\car4.m

```
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

