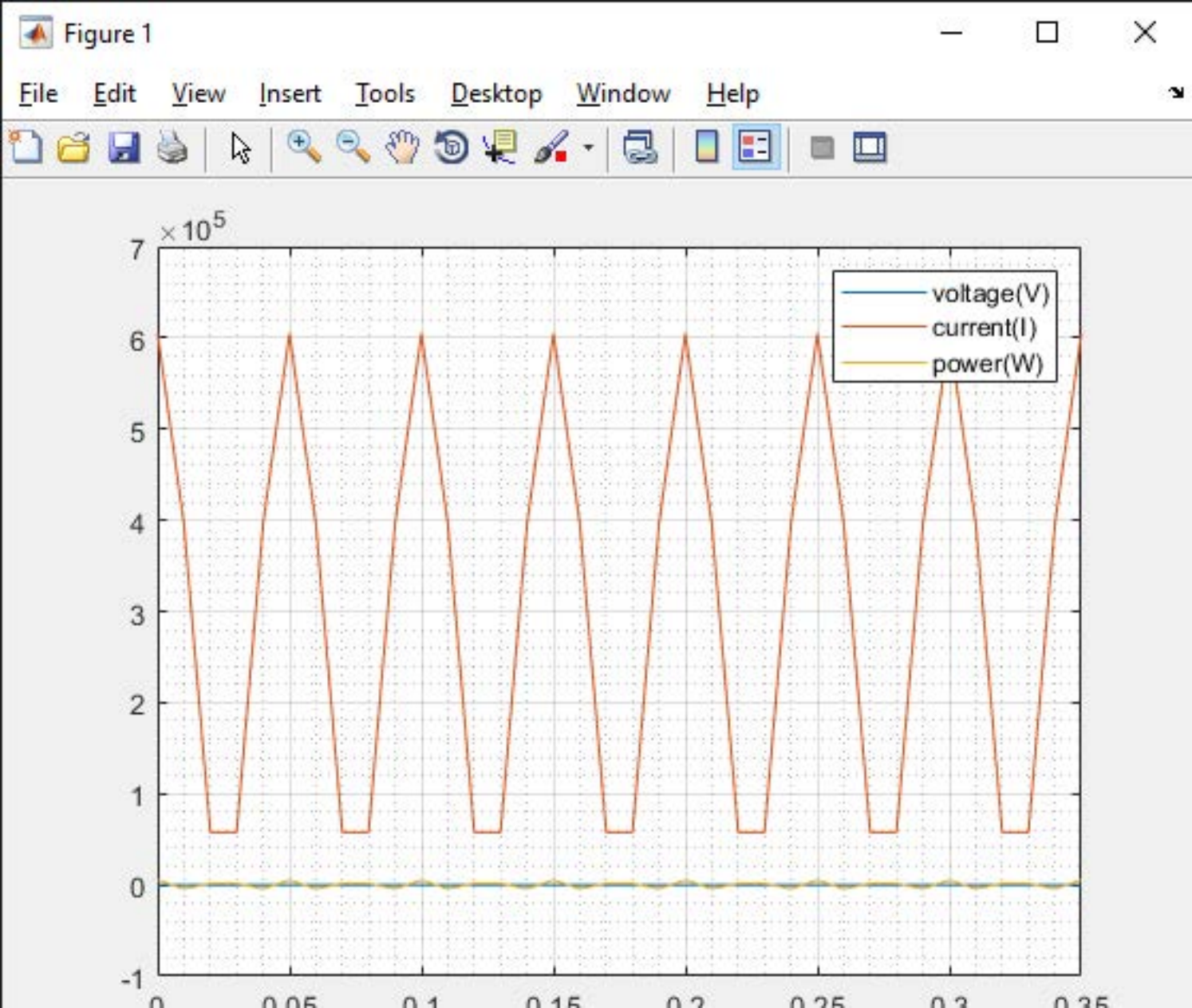
Figure 1
File
Edit
View
Insert
Tools
Desktop
Window
Help
×10^5
7
6
5
4
3
2
1
0
-1
voltage(V)
current(I)
power(W)

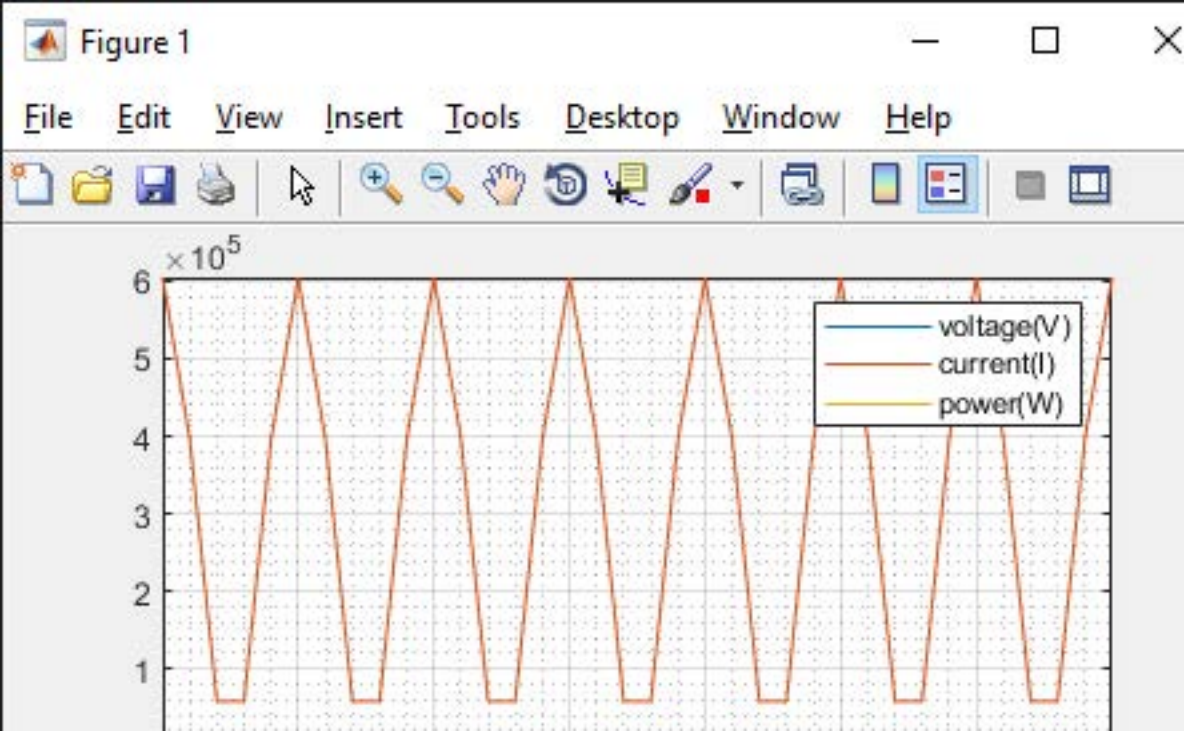
Figure 1
File
Edit
View
Insert
Tools
Desktop
Window
Help
×10^5
6
5
4
3
2
1
voltage(V)
current(I)
power(W)

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Current Folder

Name

- Untitled.m
- prine11.m
- prince_grap.m
- prince_equation.m
- prince_eigenvalues1.m
- prince10.m
- OMWUNZOCHIJOKE4...
- matlab.mat
- graph.m
- fake_integral.m
- failure.m
- emeka12.m
- differentiation_integra...

Details

Workspace

Name	Value
P	20
Q	14
S	30

Command Window

fx >>

Editor - C:\Users\HP\Documents\MATLAB\MATLAB\OMWUNZOCHIJOKE4.m

joshua001.m | joshua2813.m | Untitled.mlx | OMWUNZOCHIJOKE4.m

```
1 -  P=20
2 -  Q=14
3 -  R=56
4 -  S=30
5 -  T=45
6 -  clear R
7 -  clear T
8 -  commandwindow
9 -  clc
10
```

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Current Folder

Name

- OMWUNZOCHIJOKE4...
- joshuaeng2812.mat
- joshuaeng2313.fig
- Joshua007.m
- joshua2813.mat
- joshua2813.m
- joshua2812.m
- joshua2811.mat
- MATLAB

Details

Workspace

Name	Value
A	4x4 do
B	[10;8;3
C	4x4 do
K	[281.3
T	[8.333

Command Window

```
C =

    0.0267    0.2400    0.4933    0.6667
   -0.0933    0.1600   -0.2267   -0.3333
   -0.1067    0.0400    0.0267    0.3333
    0.2267    0.0400   -0.3067   -0.3333


B =

    10
     8
     3
     7


T =

    8.3333
   -2.6667
    1.6667
   -0.6667


K =

  281.3333
  270.3333
  274.6667
  272.3333

fx >>
```

Editor - C:\Users\HP\Documents\MATLAB\OMWUNZOCHIJOKE4.m

joshua2813.m | Untitled.mlx | OMWUNZOCHIJOKE4.m | OMWUNZOCHIJOKE4.m

```
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
10
```

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Current Folder

Name

- OMWUNZOCHIJOKE4...
- OMWUNZOCHIJOKE4...
- joshuaeng2812.mat
- joshuaeng2313.fig
- Joshua007.m
- joshua2813.mat
- joshua2812.m
- joshua2811.mat
- MATLAB

Details

Workspace

Name	Value
C	100
I	1x1 sy
In	1x36 s
P	1x1 sy
Pn	1x36 s
t	1x36 d
V	1x1 sy
Vn	1x36 s
xlabel	'time(
ylabel	'variab

Command Window

```
    0.3000    0.3100    0.3200    0.3300    0.3400

  Column 36

    0.3500


Vn =

[ 110, - (55*5^(1/2))/2 - 55/2, (55*5^(1/2))/2 - 55/2, (55


Pn =

[ 605000, 605000*(5^(1/2)/4 + 1/4)^2, 605000*(5^(1/2)/4 -


In =

[ 5500, - 1375*5^(1/2) - 1375, 1375*5^(1/2) - 1375, 1375*5


xlabel =

    'time(sec)'


ylabel =

    'variable'

>>
```

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OMWUNZOCHIJOKE4.m | OMWUNZOCHIJOKE4.m | OMWUNZOCHIJOKE4c.m

```
1  commandwindow
2  clear
3  clc
4  close all
5  syms t
6  V=110*cos(120*pi*t)
7  C=100
8  P= 0.5*C*V^2
9  I=P/V
10 t= [0:0.01:0.35]
11 Vn= subs(V,t)
12 Pn= subs(P,t)
13 In= subs(I,t)
14 plot(t,Vn,t,Pn,t,In)
15 xlabel=('time(sec)')
16 ylabel=('variable')
17 grid on
18 grid minor
19 legend ('voltage(V)','current(I)','power(W)')
20
```