

HOME PLOTS APPS EDITOR PUBLISH VIEW

Insert fx Comment Indent Breakpoints Run Run and Advance Run and Time

FILE NAVIGATE EDIT BREAKPOINTS RUN

C:\Users\Olatilewa Aiyedun\Documents\200 LVL TEXTS\Matlab\_R2017a

Current Folder

- Crack
- MATLAB2017
- MATHSTESTDIFF.asv
- MATHSTESTDIFF.m
- tiebabaaaa.m
- tilewaquestion1.m
- tilexeigennnnnnn.m
- tilexequation.m
- tilexholdon.m
- tilexmatrices.m
- tilexpartialdiff.m
- tilexdiffer.m
- tilexxxxooooo.m
- tilexxxexponentiality.m
- tilexxxxx.m

```
7 D=C*B
8 K=[273;273;273;273]
9 T=D+K
10 syms t
11 V=110*cos(120*pi*t)
12 C=0.0001
13 Q=C*V
14 I=diff(Q)
15 P=I*V
16 t=[0:0.01:0.35]
```

Command Window

New to MATLAB? See resources for [Getting Started](#).

K =

273  
273  
273  
273

T =

272  
275  
270  
277

V =

Workspace

Name	Value
A	4x4 double
B	[10;8;3;-7]
C	1.0000e-04
D	[-1.0000;2.0000;-...
I	1x1 sym
In	1x36 sym
K	[273;273;273;273]
P	1x1 sym
Pn	1x36 sym
Q	1x1 sym
t	1x36 double
T	[272;275;270;277]
V	1x1 sym
Vn	1x36 sym

HOME PLOTS APPS EDITOR PUBLISH VIEW

New Script New Open Compare Import Data Save Workspace New Variable Open Variable Clear Workspace Analyze Code Run and Time Clear Commands Simulink Layout Parallel Add-Ons Help Learn MATLAB Preferences Set Path Community Request Support

FILE VARIABLE CODE SIMULINK ENVIRONMENT RESOURCES

C:\Users\Olatilewa Aiyedun\Documents\200 LVL TEXTS\Matlab\_R2017a

- Current Folder
- Crack
  - MATLAB2017
  - MATHSTESTDIFF.asv
  - MATHSTESTDIFF.m
  - tiebabaaaa.m
  - tilexeigennnnnn.m
  - tilexequation.m
  - tilexholdon.m
  - tilexmatrices.m
  - tilexpartialdiff.m
  - tilexxdiff.m
  - tilexxxxooooo.m
  - tilexxxexponentaility.m
  - tilexxxxx.m

```

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- D=C*B
8- K=[273;273;273;273]
9- T=D+K
10- syms t
11- V=110*cos(120*pi*t)
12- I=110*0.012*pi*cos(120*pi*t+90)
    
```

Command Window

New to MATLAB? See resources for [Getting Started](#).

```

0.3000    0.3100    0.3200    0.3300    0.3400    0.3500

Vn =

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

In =

[ (33*pi*cos(90))/25, (33*pi*cos((6*pi)/5 + 90))/25, (33*pi*cos((12*pi)/5 + 90))/25, (33*pi*cos((18*pi)/

Pn =

[ (726*pi*cos(90))/5, -(726*pi*cos((6*pi)/5 + 90)*(5^(1/2)/4 + 1/4))/5, (726*pi*cos((12*pi)/5 + 90)*(5^(
    
```

Workspace

Name	Value
A	4x4 double
B	[10;8;3;-7]
C	4x4 double
D	[-1.0000;2.0000;-...
I	1x1 sym
In	1x36 sym
K	[273;273;273;273]
P	1x1 sym
Pn	1x36 sym
t	1x36 double
T	[272;275;270;277]
V	1x1 sym
Vn	1x36 sym

HOME PLOTS APPS EDITOR PUBLISH VIEW

Insert fx Comment Indent Breakpoints Run Run and Advance Run and Time

FILE NAVIGATE EDIT BREAKPOINTS RUN

C:\Users\Olatilewa Aiyedun\Documents\200 LVL TEXTS\Matlab\_R2017a

Current Folder

- Crack
- MATLAB2017
- MATHSTESTDIFF.asv
- MATHSTESTDIFF.m
- tiebabaaaaa.m
- tilewaquestion1.m
- tilexeigennnnnnn.m
- tilexequation.m
- tilxholdon.m
- tilxmatrices.m
- tilxpartialdiff.m
- tilxxdiffer.m
- tilxxxooooo.m
- tilxxxexponentiality.m
- tilxxxxx.m

Details

Select a file to view details

```
Editor - C:\Users\Olatilewa Aiyedun\Documents\200 LVL TEXTS\Matlab_R2017a\tilewaquestion1.m  
+8  
1 - commandwindow  
2 - clear  
3 - clc  
4 - P=2*54  
5 - Q=5*434  
6 - R=3*7393  
7 - S=9*33483  
8 - T=7-93839*83748  
9 - clear R  
10 - clear T  
11 - clc
```

Command Window

New to MATLAB? See resources for [Getting Started](#).

fx >>

Workspace

Name	Value
P	108
Q	2170
S	301347

$$A := \begin{pmatrix} 1 & -2 & -1 & 3 \\ 2 & 3 & 0 & 1 \\ 1 & 0 & -4 & -2 \\ 0 & -1 & 3 & 1 \end{pmatrix} \quad B := \begin{pmatrix} 10 \\ 8 \\ 3 \\ -7 \end{pmatrix}$$

$$C := A^{-1} \cdot B$$

$$C = \begin{pmatrix} -1 \\ 2 \\ -3 \\ 4 \end{pmatrix} \quad K := \begin{pmatrix} 273 \\ 273 \\ 273 \\ 273 \end{pmatrix}$$

$$T := C + K \quad T = \begin{pmatrix} 272 \\ 275 \\ 270 \\ 277 \end{pmatrix}$$

$$t := 0..10$$

$$f(t) := 2 + 2t - 2\cos\left(\pi \frac{t}{10}\right)$$

$$g(t) := 2\sin\left(\pi \frac{t}{10}\right)$$

t =

0
1
2
3
4
5
6
7
8
9
10

f(t) =

0
2.098
4.382
6.824
9.382
12
14.618
17.176
19.618
21.902

g(t) =

0
0.09
0.179
0.268
0.357
0.445
0.532
0.618
0.702

Matrix

- $\begin{bmatrix} \dots \\ \dots \\ \dots \end{bmatrix}$   $\times_n$   $\times^{-1}$   $|x|$
- $f(x)$   $n^{(x)}$   $n^x$   $m..n$
- $\delta$   $\cdot$   $\delta$   $\times$   $\delta$   $\Sigma$   $\delta$

Calculator

- $n!$   $i$   $m..n$   $\times_n$   $|x|$
- $\ln$   $e^x$   $\times^{-1}$   $\times^x$   $\pi^x$   $\Gamma$
- $\log$   $\pi$   $()$   $\times^2$   $\Gamma$
- $\tan$   $7$   $8$   $9$   $/$
- $\cos$   $4$   $5$   $6$   $\times$
- $\sin$   $1$   $2$   $3$   $+$
- $:=$   $.$   $0$   $-$   $=$

Normal Arial 10 B I U

$$C = \begin{pmatrix} -1 \\ 2 \\ -3 \\ 4 \end{pmatrix} \quad K := \begin{pmatrix} 273 \\ 273 \\ 273 \\ 273 \end{pmatrix}$$

$$T := C + K \quad T = \begin{pmatrix} 272 \\ 275 \\ 270 \\ 277 \end{pmatrix}$$

$$t := 0, 1.. 10$$

$$f(t) := 2 + 2t - 2 \cos\left(\pi \frac{t}{10}\right)$$

$$g(t) := 2 \sin\left(\pi \frac{t}{70}\right)$$

t =

0
1
2
3
4
5
6
7
8
9
10

f(t) =

0
2.098
4.382
6.824
9.382
12
14.618
17.176
19.618
21.902
24

g(t) =

0
0.09
0.179
0.268
0.357
0.445
0.532
0.618
0.703
0.786
0.868

Matrix

$\begin{bmatrix} \dots \\ \dots \\ \dots \end{bmatrix} \times_n \times^{-1} |x|$

$f(t) \quad n^{\langle \rangle} \quad n^{\uparrow} \quad m..n$

$\int \cdot \uparrow \quad \int \times \uparrow \quad \sum \quad \int \frac{\circ}{\circ}$

Calculator

n! i m..n  $\times_n$  |x|

ln e<sup>x</sup>  $\times^{-1}$   $\times^{\uparrow}$   $\uparrow$   $\Gamma$

log  $\pi$  ( )  $\times^2$   $\Gamma$

tan 7 8 9 /

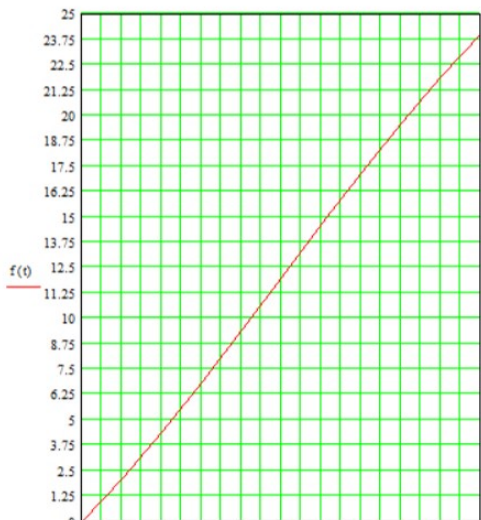
cos 4 5 6  $\times$

sin 1 2 3 +

:= . 0 - =

4	12	0.357
5	14.618	0.445
6	17.176	0.532
7	19.618	0.618
8	21.902	0.703
9	24	0.786
10		0.868

+

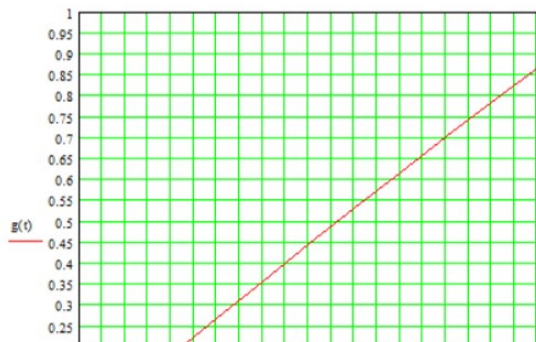
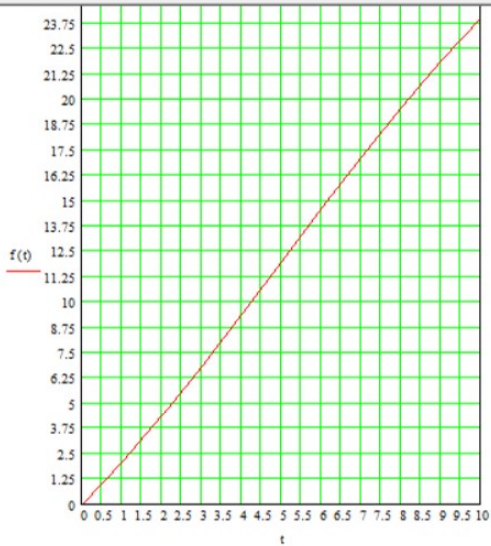


Matrix

$\begin{bmatrix} \dots \\ \dots \\ \dots \end{bmatrix}$ 
 $\times_n$ 
 $\times^{-1}$ 
 $|\times|$   
 $f(t)$ 
 $n^{\langle \rangle}$ 
 $n^{\uparrow}$ 
 $m..n$   
 $\int$ 
 $\cdot$ 
 $\cdot$ 
 $\times$ 
 $\sum$ 
 $\int$

Calculator

$n!$ 
 $i$ 
 $m..n$ 
 $\times_n$ 
 $|\times|$   
 $\ln$ 
 $e^x$ 
 $\times^{-1}$ 
 $\times^y$ 
 $\Gamma$   
 $\log$ 
 $\pi$ 
 $()$ 
 $\times^2$ 
 $\Gamma$   
 $\tan$ 
 $7$ 
 $8$ 
 $9$ 
 $/$   
 $\cos$ 
 $4$ 
 $5$ 
 $6$ 
 $\times$   
 $\sin$ 
 $1$ 
 $2$ 
 $3$ 
 $+$   
 $:=$ 
 $.$ 
 $0$ 
 $-$ 
 $=$



Matrix

$\begin{bmatrix} \dots \\ \dots \\ \dots \end{bmatrix}$   $\times_n$   $\times^{-1}$   $|\times|$

$f(t)$   $n^{(t)}$   $n^t$   $m..n$

$\int$   $\cdot$   $\div$   $\otimes$   $\otimes$   $\otimes$

Calculator

$n!$   $i$   $m..n$   $\times_n$   $|\times|$

$\ln$   $e^x$   $\times^{-1}$   $\times^y$   $\pi$   $\Gamma$

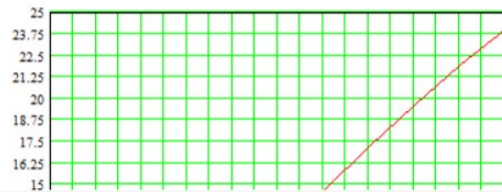
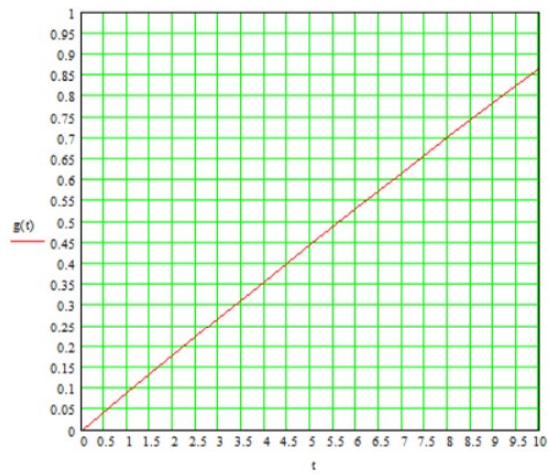
$\log$   $\pi$   $()$   $\times^2$   $\Gamma$

$\tan$   $7$   $8$   $9$   $/$

$\cos$   $4$   $5$   $6$   $\times$

$\sin$   $1$   $2$   $3$   $+$

$:=$   $.$   $0$   $-$   $=$



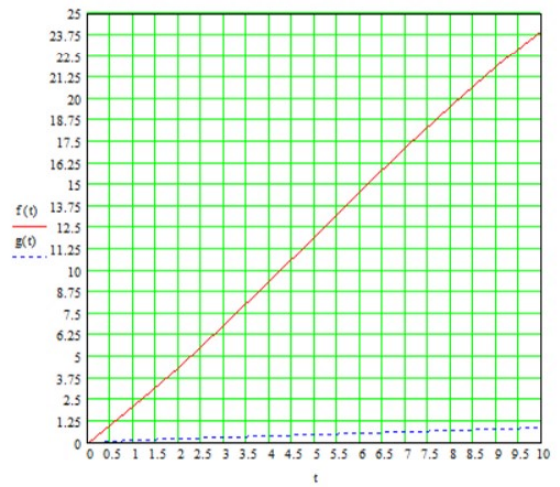
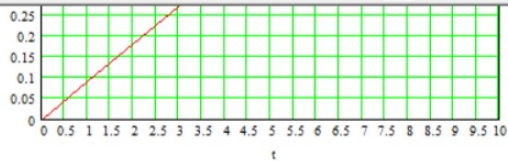
Matrix

- $\begin{bmatrix} \dots \\ \dots \\ \dots \end{bmatrix}$
- $\times_n$
- $\times^{-1}$
- $|x|$
- $f(t)$
- $n^{(t)}$
- $n^t$
- $m..n$
- $\int$
- $\sum$
- $\frac{d}{dx}$

Calculator

- $n!$
- $i$
- $m..n$
- $\times_n$
- $|x|$
- $\ln$
- $e^x$
- $\times^{-1}$
- $\times^y$
- $\pi$
- $\log$
- $\pi$
- $( )$
- $\times^2$
- $\sqrt{\quad}$
- $\tan$
- 7
- 8
- 9
- /
- $\cos$
- 4
- 5
- 6
- $\times$
- $\sin$
- 1
- 2
- 3
- +
- $:=$
- .
- 0
- 
- =





Matrix

- $\begin{bmatrix} \dots \\ \dots \\ \dots \end{bmatrix}$
- $\times_n$
- $\times^{-1}$
- $|x|$
- $f(t)$
- $n^{(t)}$
- $n^t$
- $m..n$
- $\int$
- $\sum$
- $\frac{d}{dx}$

Calculator

- nl
- i
- m..n
- $\times_n$
- $|x|$
- ln
- $e^x$
- $\times^{-1}$
- $\times^y$
- $\pi$
- $\Gamma$
- log
- $\pi$
- ( )
- $\times^2$
- $\Gamma$
- tan
- 7
- 8
- 9
- /
- cos
- 4
- 5
- 6
- $\times$
- sin
- 1
- 2
- 3
- +
- :=
- .
- 0
- 
- =

HOME PLOTS APPS EDITOR PUBLISH

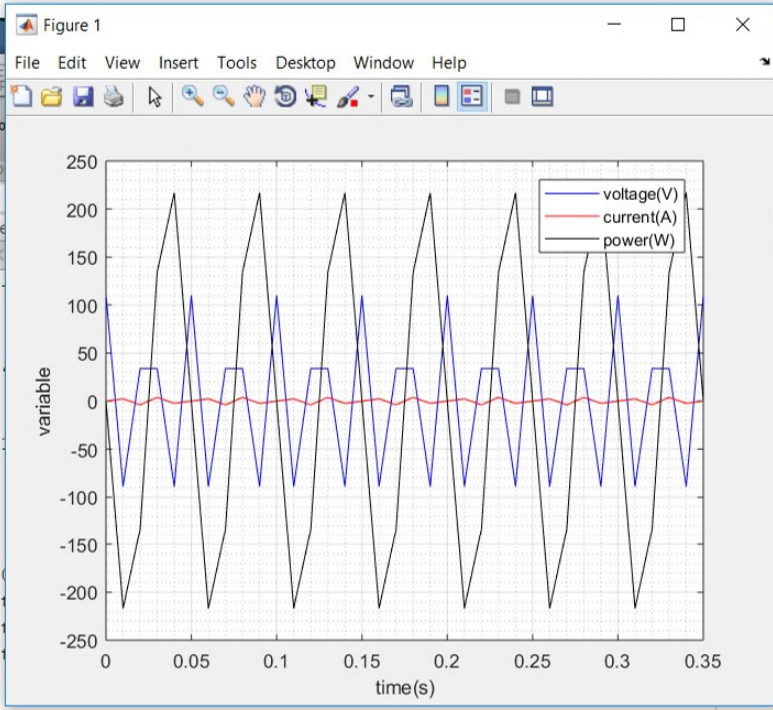
Insert fx  
Comment %  
Indent

Breakpoint

FILE NAVIGATE EDIT BREAKPOINT

C:\Users\Olatilewa Aiyedun\Documents\200 LVL TEXTS

```
Editor - C:\Users\Olatilewa Aiyedun\Documents\200 LVL TEXTS\tilexholdon.m  
5 B=[10;8;3;7];  
6 C=inv(A);  
7 D=C*B;  
8 K=[273;273;273;273];  
9 T=D+K;  
10 syms t;  
11 V=110*cos(2*pi*t);  
12 C=0.0001;  
13 Q=C*V;  
14 I=diff(Q);  
15 P=I*V;  
16 t=[0:0.01:0.35];  
17 Vn=subs(V,t);  
18 In=subs(I,t);  
19 Pn=subs(P,t);  
20 plot(t,Vn,In,Pn);  
21 grid on;  
22 grid minor;  
23 xlabel('time (s)');
```



Search Documentation Log In

Workspace

Name	Value
A	4x4 double
B	[10;8;3;7]
C	1.0000e-04
D	[-1.0000;2.0000;...]
I	1x1 sym
In	1x36 sym
K	[273;273;273;273]
P	1x1 sym
Pn	1x36 sym
Q	1x1 sym
t	1x36 double
T	[272;275;270;277]
V	1x1 sym
Vn	1x36 sym

Command Window

New to MATLAB? See resources for [Getting Started](#).

```
[ 0, (33*2^(1/2)*pi*(5 - 5^(1/2))^(1/2))/100, -(33*pi*2^(1/2)*(5^(1/2) + 5)^(1/2))/100, (33*pi*2^(1/2)*...
```

Pn =

```
[ 0, -(363*2^(1/2)*pi*(5^(1/2)/4 + 1/4)*(5 - 5^(1/2))^(1/2))/10, -(363*2^(1/2)*pi*(5^(1/2)/4 - 1/4)*(5^(1/2)...
```

fx >>

Current Folder

- Crack
- MATLAB2017
- MATHSTESTDIFF.asv
- MATHSTESTDIFF.m
- tiebabaaaaa.m
- tilewaquestion1.m
- tilexeigennnnnnn.m
- tilexequiom.m
- tilxholdon.m
- tilxmatrices.m
- tilxpartialdiff.m
- tilxxdiffer.m
- tilxxxooooo.m
- tilxxxexponentiality.m
- tilxxxxx.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  D=C*B
8  K=[273;273;273;273]
9  T=D+K
10 syms t
11 V=110*cos(120*pi*t)
12 C=0.0001
13 Q=C*V
14 I=diff(Q)
15 P=I*V
16 t=[0:0.01:0.35]
17 Vn=subs(V,t)
18 In=subs(I,t)
19 Pn=subs(P,t)
    
```

Workspace

Name	Value
A	4x4 double
B	[10;8;3;-7]
C	1.0000e-04
D	[-1.0000;2.0000;-...
I	1x1 sym
In	1x36 sym
K	[273;273;273;273]
P	1x1 sym
Pn	1x36 sym
Q	1x1 sym
t	1x36 double
T	[272;275;270;277]
V	1x1 sym
Vn	1x36 sym

Command Window

New to MATLAB? See resources for [Getting Started](#).

[ 0, (33\*2^(1/2)\*pi\*(5 - 5^(1/2))^(1/2))/100, -(33\*pi\*2^(1/2)\*(5^(1/2) + 5)^(1/2))/100, (33\*pi\*2^(1/2)\*...

Pn =

[ 0, -(363\*2^(1/2)\*pi\*(5^(1/2)/4 + 1/4)\*(5 - 5^(1/2))^(1/2))/10, -(363\*2^(1/2)\*pi\*(5^(1/2)/4 - 1/4)\*(5...

fx >>

HOME PLOTS APPS EDITOR PUBLISH VIEW

Insert Comment Indent Breakpoints Run Run and Advance Run and Time

FILE NAVIGATE EDIT BREAKPOINTS RUN

C:\Users\Olatilewa Aiyedun\Documents\200 LVL TEXTS\Matlab\_R2017a

Current Folder

- Crack
- MATLAB2017
- MATHSTESTDIFF.asv
- MATHSTESTDIFF.m
- tiebabaaaa.m
- tilewaquestion1.m
- tilexeigennnnnnn.m
- tilexequation.m
- tilexholdon.m
- tilexmatrices.m
- tilexpartialdiff.m
- tilexxdiffer.m
- tilexxooooo.m
- tilexxexponentiality.m
- tilexxxxx.m

Details

Select a file to view details

```

7 D=C*B
8 K=[273;273;273;273]
9 T=D+K
10 syms t
11 V=110*cos(120*pi*t)
12 C=0.0001
13 Q=C*V
14 I=diff(Q)
15 P=I*V
16 t=[0:0.01:0.35]
17 Vn=subs(V,t)
18 In=subs(I,t)
19 Pn=subs(P,t)
20 plot(t,Vn,'blue',t,In,'r',t,Pn,'black')
21 grid on
22 grid minor
23 xlabel('time (s)')
24 ylabel('variable')
25 legend('voltage (V)', 'current (A)', 'power (W)')
    
```

Workspace

Name	Value
A	4x4 double
B	[10;8;3;-7]
C	1.0000e-04
D	[-1.0000;2.0000;-...
I	1x1 sym
In	1x36 sym
K	[273;273;273;273]
P	1x1 sym
Pn	1x36 sym
Q	1x1 sym
t	1x36 double
T	[272;275;270;277]
V	1x1 sym
Vn	1x36 sym

Command Window

New to MATLAB? See resources for [Getting Started](#).

```

[ 0, (33*2^(1/2)*pi*(5 - 5^(1/2))^(1/2))/100, -(33*pi*2^(1/2)*(5^(1/2) + 5)^(1/2))/100, (33*pi*2^(1/2)*
Pn =
[ 0, -(363*2^(1/2)*pi*(5^(1/2)/4 + 1/4)*(5 - 5^(1/2))^(1/2))/10, -(363*2^(1/2)*pi*(5^(1/2)/4 - 1/4)*(5
fx >>
    
```

HOME PLOTS APPS EDITOR PUBLISH VIEW

Insert fx Comment Indent Breakpoints Run Run and Advance Run and Time

FILE NAVIGATE EDIT BREAKPOINTS RUN

C:\Users\Olatilewa Aiyedun\Documents\200 LVL TEXTS\Matlab\_R2017a

Current Folder

- Crack
- MATLAB2017
- MATHSTESTDIFF.asv
- MATHSTESTDIFF.m
- tiebabaaaaa.m
- tilewaquestion1.m
- tilexeigennnnnnn.m
- tilexequation.m
- tilxholdon.m
- tilxmatrices.m
- tilxpartialdiff.m
- tilxxdiffer.m
- tilxxxxooooo.m
- tilxxxexponentiality.m
- tilxxxxx.m

```

7 - D=C*B
8 - K=[273;273;273;273]
9 - T=D+K
10 - syms t
11 - V=110*cos(120*pi*t)
12 - C=0.0001
13 - Q=C*V
14 - I=diff(Q)
15 - P=I*V
16 - t=[0:0.01:0.35]
    
```

Command Window

New to MATLAB? See resources for [Getting Started](#).

```

A =

     1     -2     -1     3
     2     3      0     1
     1      0     -4    -2
     0     -1      3     1

B =

    10
     8
     3
    -7
    
```

Workspace

Name	Value
A	4x4 double
B	[10;8;3;-7]
C	1.0000e-04
D	[-1.0000;2.0000;-...
I	1x1 sym
In	1x36 sym
K	[273;273;273;273]
P	1x1 sym
Pn	1x36 sym
Q	1x1 sym
t	1x36 double
T	[272;275;270;277]
V	1x1 sym
Vn	1x36 sym

HOME PLOTS APPS EDITOR PUBLISH VIEW

Insert fx Comment Indent Breakpoints Run Run and Advance Run and Time

FILE NAVIGATE EDIT BREAKPOINTS RUN

C:\Users\Olatilewa Aiyedun\Documents\200 LVL TEXTS\Matlab\_R2017a

Current Folder

- Crack
- MATLAB2017
- MATHSTESTDIFF.asv
- MATHSTESTDIFF.m
- tiebabaaaa.m
- tilewaquestion1.m
- tilexeigennnnnnn.m
- tilexequation.m
- tilexholdon.m
- tilexmatrices.m
- tilexpartialdiff.m
- tilexdiffer.m
- tilexxxxooooo.m
- tilexxxexponentiality.m
- tilexxxxx.m

```
7 - D=C*B
8 - K=[273;273;273;273]
9 - T=D+K
10 - syms t
11 - V=110*cos(120*pi*t)
12 - C=0.0001
13 - Q=C*V
14 - I=diff(Q)
15 - P=I*V
16 - t=[0:0.01:0.35]
```

Command Window

New to MATLAB? See resources for [Getting Started](#).

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

D =

-1.0000
2.0000
-3.0000
4.0000

K =

Workspace

Name	Value
A	4x4 double
B	[10;8;3;-7]
C	1.0000e-04
D	[-1.0000;2.0000;-...
I	1x1 sym
In	1x36 sym
K	[273;273;273;273]
P	1x1 sym
Pn	1x36 sym
Q	1x1 sym
t	1x36 double
T	[272;275;270;277]
V	1x1 sym
Vn	1x36 sym