

$$A = \begin{pmatrix} 1 & -2 & -1 & 3 \\ 2 & 3 & 0 & 1 \\ 1 & 0 & -4 & -2 \\ 0 & -1 & 3 & 1 \end{pmatrix}$$

$$B = A^{-1} = \begin{pmatrix} 0.027 & 0.24 & 0.493 & 0.667 \\ -0.093 & 0.16 & -0.227 & -0.333 \\ -0.107 & 0.04 & 0.027 & 0.333 \\ 0.227 & 0.04 & -0.307 & -0.333 \end{pmatrix}$$

$$C_w = \begin{pmatrix} 10 \\ 8 \\ 3 \\ -7 \end{pmatrix}$$

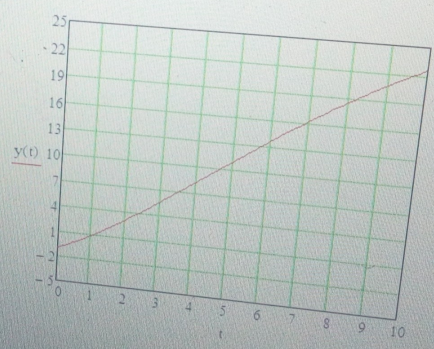
$$D = B \cdot C$$

$$D = \begin{pmatrix} -1 \\ 2 \\ -3 \\ 4 \end{pmatrix}$$

$$t = 0.0:1.10 \quad y(t) = \sin(0.25 \cdot t) + (2 \cdot t) + e^{-0.85 \cdot t} - 2 \cdot \cos\left[\left(\frac{\pi}{10}\right) \cdot t\right]$$

t =
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4

y(t) =
-1
-0.856
-0.702
-0.541
-0.373
-0.197
-0.015
0.174
0.368
0.568
0.773
0.982
1.197
1.415
1.637



Graph

Graphing toolbar with icons for zoom, pan, and other functions.

Current Folder

- Name
- arch
- m3impdir
- registry
- util
- wm32
- wm34
- deploytool.bat
- lcdata.xml
- lcdata.rsd
- lcdata_util.xml
- matlab.exe
- rebuild.bat
- mcx.bat
- msc.bat
- msr.pl

Details

Workspace

Name	Value
------	-------

```
Editor - C:\Users\user\AWEJOHNTHREE.m
AWEJOHNTWO.m  AWEJOHNTHREE.m  AWEJOHNTHREE.mlx
1 - commandwindow
2 - clear
3 - cla
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

>>

MATLAB R2018a

HOME PLOTS APPS EDITOR PUBLISH VIEW

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

FILE NAVIGATE EDIT BREAKPOINTS RUN

C:\Program Files\MATLAB\R2018a\bin

Current Folder

- Name
- arch
- m3registry
- registry
- util
- win32
- win64
- deploytool.bat
- lcdata.xml
- lcdata.xsd
- lcdata_util.xml
- matlab.exe
- mbuild.bat
- mcc.bat
- mex.bat
- mex.el

Details

Workspace

Name	Value
------	-------

Editor: C:\Users\user\Desktop\AWEJOHNDONE.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 ;0 ;3 ;-7]
6  c=inv(a)
7  x=c*b
```

Command Window

```
>>
```

Click and drag to move AWEJOHNDONE.m or its tab...

MATLAB R2015a

HOME PLOTS APPS LIVE EDITOR INSERT VIEW

File Edit View Insert Tools

Current Folder: C:\Program Files\MATLAB\R2015a\bin

- Name
- arch
- mlregistry
- registry
- util
- win32
- win64
- deploytool.bat
- ldata.xml
- ldata.xml
- ldata_util.xml
- matlab.exe
- rebuild.bat
- mcc.bat
- mcx.bat
- mpx.sl

Details

Workspace

Name	Value
------	-------

Live Editor - C:\Users\user\AWEJOHNTHREE\mlx

- AWEJOHNTHREE.m
- AWEJOHNTHREE.mlx

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

Command Window

```
>>
```

Click and drag to move AWEJOHNTHREE.mlx or its tabs.