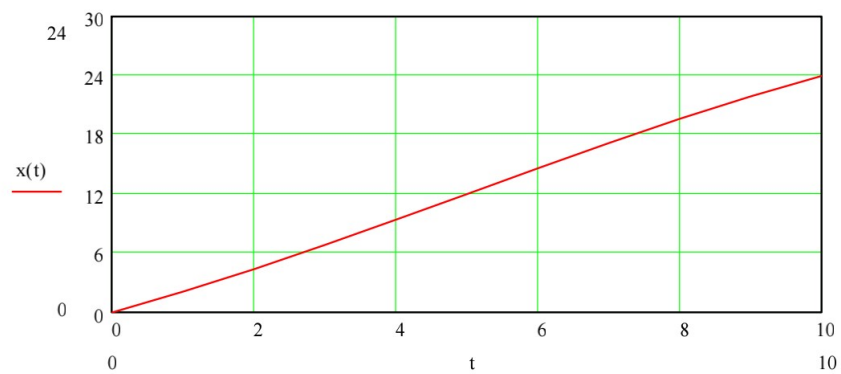
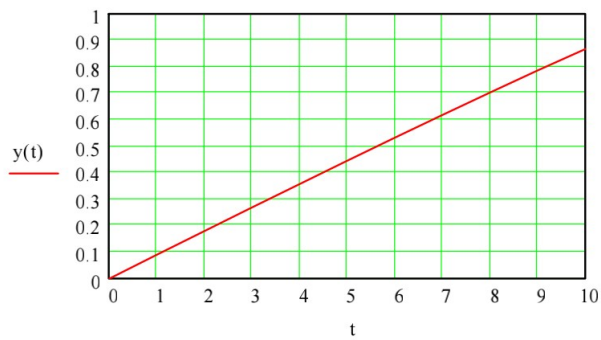
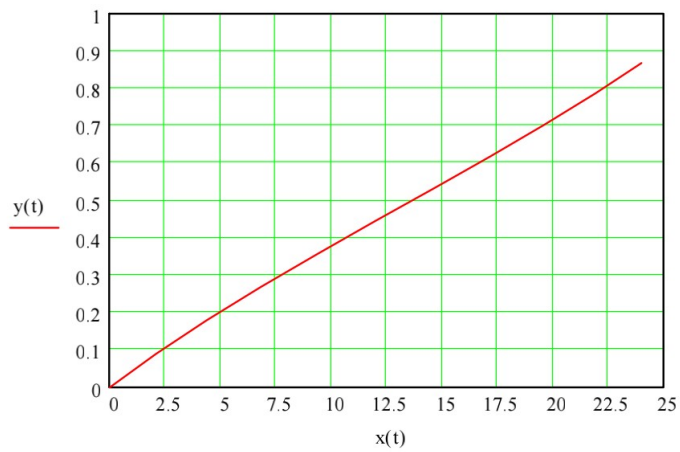


$t := 0, 1 \dots 10$

$$x(t) := 2 + 2t - 2 \cos\left[\left(\frac{\pi}{10}\right) \cdot t\right]$$

$$y(t) := 2 \cdot \sin\left[\left(\frac{\pi}{70}\right) \cdot t\right]$$



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

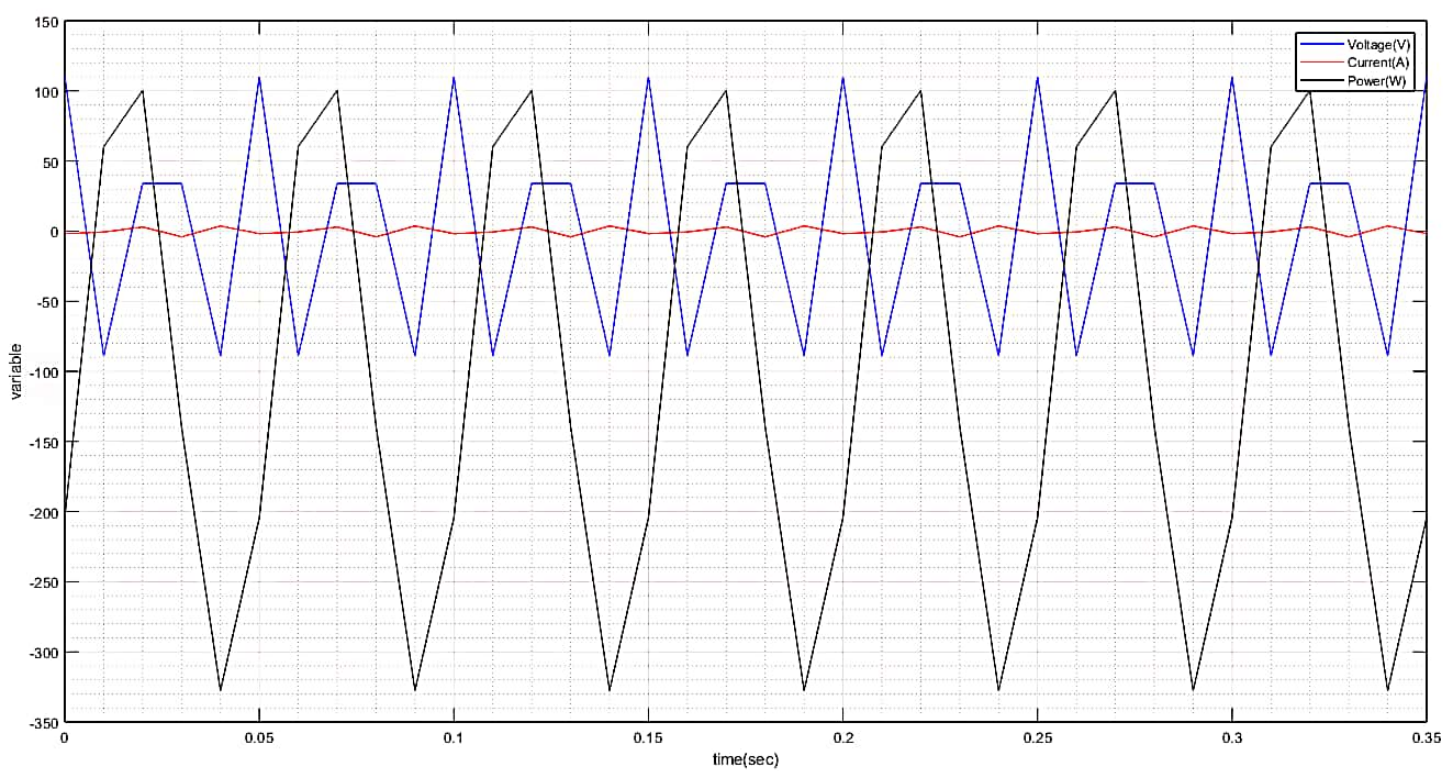
$$B := \begin{pmatrix} 10 \\ 8 \\ 3 \\ -7 \end{pmatrix}$$

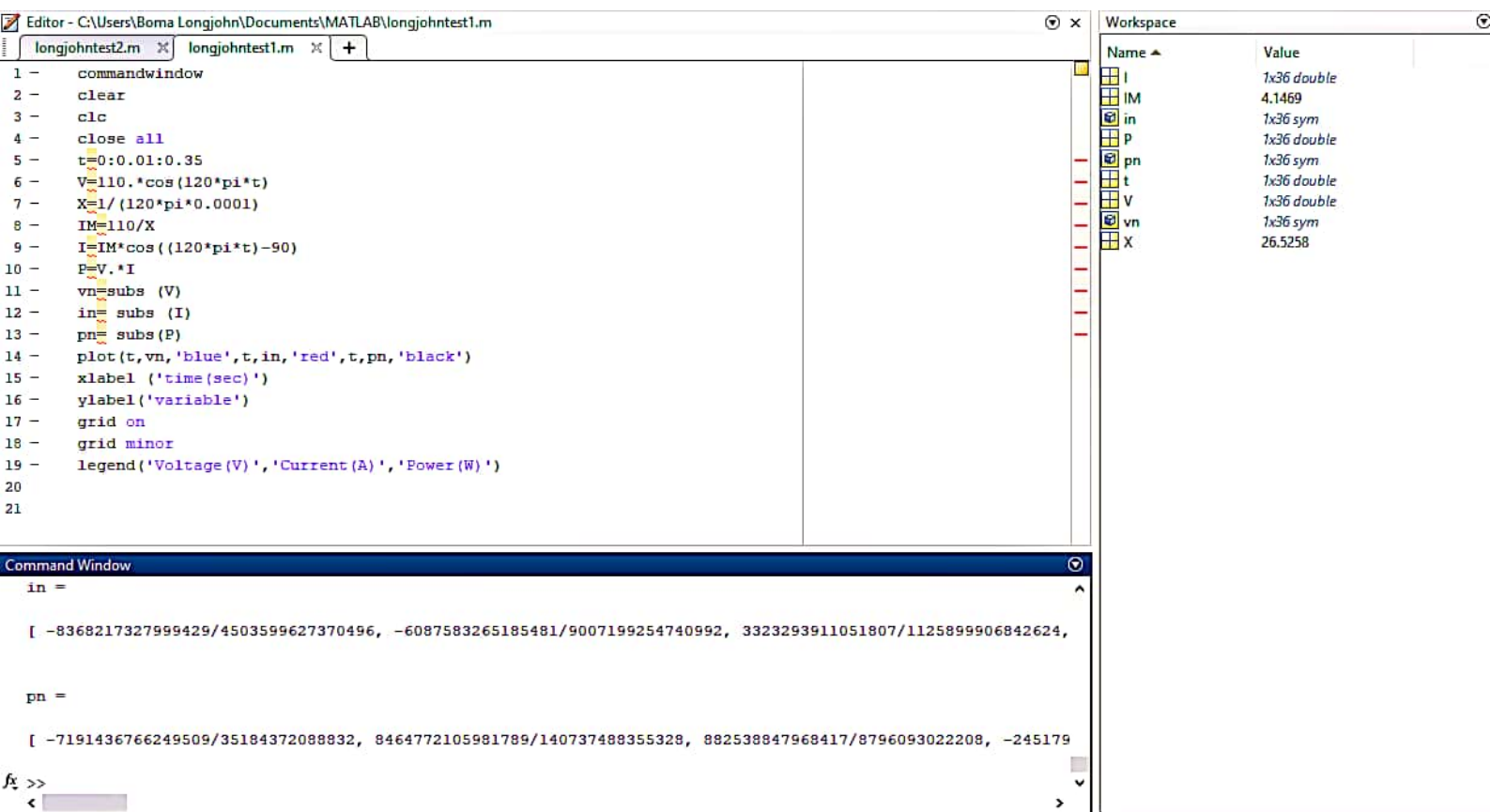
$$C := A^{-1}$$

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

$$D := C \cdot B$$

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





Editor - C:\Users\Borna Longjohn\Documents\MATLAB\longjohnntest2.m

longjohnntest2.m longjohnntest1.m +

```
1 - commandwindow
2 - clear
3 - clc
4 - close all
5
6 - A=[1 -2 -1 3;2 3 0 1;1 0 -4 -2;0 -1 3 1]
7 - B=inv(A)
8 - C=[10;8;3;-7]
9 - D=B*C
```

Workspace

Name	Value
A	4x4 double
B	4x4 double
C	[10;8;3;-7]
D	[-1.0000;2.0000;-3.0000...

Command Window

```
C =
    10
     8
     3
    -7

D =
   -1.0000
    2.0000
   -3.0000
    4.0000

fx >>
```