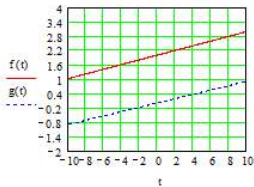
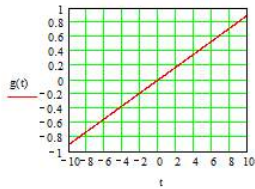
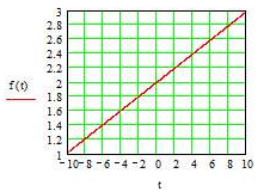


$$f(t) := 2 + 2t - 2 \cos\left(\frac{\pi}{10}\right)t$$

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

+



MATLAB R2018a

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FILE NAVIGATE EDIT BREAKPOINTS RUN

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Editor - C:\Users\Seyitan\Documents\MATLAB\test4d.m

```
practice1234.m x Untitled5.m x Untitled8.m x testt.m x test4aa.m x test4b.m x test4d.m x
1 - commandwindow
2 - clear
3 - clc
4 - close all
5 - syms t
6 - tn=[0:1:10]
7 - X=2+2*t-2*cos(pi/10)*t
8 - Y=2*sin(pi/70)*t
9 - Xn=subs(X,tn)
10 - Yn=subs(Y,tn)
11 - plot(tn,Xn,tn,Yn)
12
```

Current Folder

- arch
- m3registry
- registry
- util
- win32
- win64

Details

Workspace

- tn
- X

Command Window

```
(6465703463955825*t)/72057594037927936
Xn =
[ 2, 9448042964691713/4503599627370496, 4944443337321217/2251799813685248, 10329730384593155/4503599627370496, 2692643523635969/1125899906842624, 112
Yn =
[ 0, 6465703463955825/72057594037927936, 6465703463955825/36028797018963968, 19397110391867475/72057594037927936, 6465703463955825/18014398509481984,
```

Figure 1

File Edit View Insert Tools Desktop Window Help

t	X	Y
0	2	0
1	2.9448	0.09
2	3.8896	0.18
3	4.8344	0.27
4	5.7792	0.36
5	6.724	0.45
6	7.6688	0.54
7	8.6136	0.63
8	9.5584	0.72
9	10.5032	0.81
10	11.448	0.9

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

$$B := \begin{pmatrix} T1 \\ T2 \\ T3 \\ T4 \end{pmatrix}$$

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

$$\text{eigenvals}(A) = \begin{pmatrix} 2.432 + 2.244i \\ 2.432 - 2.244i \\ -1.932 + 1.765i \\ -1.932 - 1.765i \end{pmatrix}$$

T1 := 2.432 + 2.244i  
T2 := 2.432 + 2.244i +  
T3 := -1.932 + 1.765i  
T4 := -1.932 + 1.765i

MATLAB R2018a

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FILE NAVIGATE EDIT BREAKPOINTS RUN

C:\Program Files\MATLAB\R2018a\bin

Editor - C:\Users\Seyitan\Documents\MATLAB\test4b.m

```
practice1234.m x Untitled5.m x Untitled8.m x testt.m x test4aa.m x test4b.m x test4d.m x Untitled7* x +
1 - commandwindow
2 - clear
3 - c1c
4 - syms t1 t2 t3 t4
5 - A=[1 -2 -1 3; 2 3 0 1; 1 0 -4 -2; 0 -1 3 1]
6 - B=[t1;t2;t3;t4]
7 - C=[10;8;3;-7]
8 - TK=eig(A)
```

Current Folder

- Name
- arch
- m3registry
- registry
- util
- win32
- win64

Details

Workspace

- Name
- B
- C

Command Window

```
10
8
3
-7

TK =

2.4323 + 2.2437i
2.4323 - 2.2437i
-1.9323 + 1.7651i
-1.9323 - 1.7651i

fx >> |
```

MATLAB R2018a

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New Open Save Compare Go To Comment % % Breakpoints Run Run and Run Section Run and  
Print Print Indent Find Find Advance Advance Time  
FILE NAVIGATE EDIT BREAKPOINTS RUN

C:\Program Files\MATLAB\R2018a\bin

Editor - C:\Users\Seyitan\Documents\MATLAB\test4aa.m

practice1234.m x Untitled5.m x Untitled8.m x testt.m x test4aa.m x test4b.m x test4d.m x Untitled7\* x +

```
1 - commandwindow
2 - clear
3 - clc
4 - P=1
5 - Q=2
6 - R=3
7 - S=4
8 - T=5
9 - clearvars R T
10 - whos
```

Current Folder

- arch
- m3registry
- registry
- util
- win32
- win64

Details

Workspace

Name

- r
- Q
- S

Command Window

```
4
T =
5
Name      Size      Bytes  Class  Attributes
P         1x1         8  double
Q         1x1         8  double
S         1x1         8  double
```

f1 >>