

octave-gui

Octave

File Edit Debug Window Help News

Current Directory: /home/alex

Command Window

```
>> A=[1.5 -2.1; -7.6 3.11]
A =
    1.5000   -2.1000
   -7.6000    3.1100

>> b=[8.3;6.7]
b =
    8.3000
    6.7000

>> [R r] = G(A,b)
R =
    1.50000   -2.10000
    0.00000   -7.53000

r =
    8.3000
   48.7533

>> z=SST(R,r)
-6.47455
-3.53103
z =
   -3.5310
   -6.4745













>> A*z
ans =
    8.3000
    6.7000

>> |
```

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```
>> A=[1.5 -2.1; -7.6 3.11]
A =
    1.5000   -2.1000
   -7.6000    3.1100

>> b=[8.3;6.7]
b =
    8.3000
    6.7000













>> [R r]=GPP(A,b)
R =
   -7.60000    3.11000
    0.00000   -1.48618

r =
    6.7000
    9.6224

>> z=SST(R,r)
-6.47455
-3.53103
z =
   -3.5310
   -6.4745

>> A*z
ans =
    8.3000
    6.7000






>> |
```





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Command Window

```
>>
>> A=[1.5 -2.1; -7.6 3.11]
A =
    1.5000   -2.1000
   -7.6000    3.1100
>> b=[8.3;6.7]
b =
    8.3000
    6.7000
>> [R r]=GPPS(A,b)
R =
   -7.60000    3.11000
    0.00000   -1.48618
r =
    6.7000
    9.6224
>> z=SST(R,r)
-6.47455
-3.53103
z =
   -3.5310
   -6.4745
>> A*z
ans =
    8.3000
    6.7000
>> |
```

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**A =**

```
>> b
b =
```

```
>> [R r]=GPP_SHessenberg(A,b)
R =
```

3













 $\Gamma =$ 

```
>> z=SST(R,r)
2.42857
```

$$Z =$$

```
>> A*z
ans =
```

 $\gg |$



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```
>> A=[1.5 -2.1; -7.6 3.11]
A =
    1.5000   -2.1000
   -7.6000    3.1100

>> b=[8.3;6.7]
b =
    8.3000
    6.7000

>> [R r]=GPT(A,b)
R =
   -7.60000    3.11000
    0.00000   -1.48618

r =
    6.7000
    9.6224

>> z=SST(R,r)
-6.47455
-3.53103
z =
   -3.5310
   -6.4745

>> A*z
ans =
    8.3000
    6.7000

>> |
```

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1	4	2	3
3	4	1	7
0	2	3	4
0	0	1	3

- 1
- 2
- 3
- 4


















1.00000	4.00000	2.00000	3.00000
0.00000	-8.00000	-5.00000	-2.00000
0.00000	0.00000	1.75000	3.50000
0.00000	0.00000	0.00000	1.00000

$$\begin{array}{r} 1.0000 \\ -1.0000 \\ \hline 2.7500 \\ 2.4286 \end{array}$$

-6.0000  
1.5714  
-3.2857  
2.4286

1.0000  
2.0000  
3.0000  
4.0000

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Command Window

```
>> A=[1.5 -2.1; -7.6 3.11]
A =
    1.5000   -2.1000
   -7.6000    3.1100

>> b=[8.3;6.7]
b =
    8.3000
    6.7000

>> z=G_System(A,b)
-6.47455
-3.53103
z =
   -3.5310
   -6.4745

















>> A*z
ans =
    8.3000
    6.7000

>> |
```

Command Window

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A

A

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Command Window

```
>> A
A =
    1    0    1    0
    0    2    0    2
    1    0    3    0
    0    2    0    4

>> a
a =
    1
    2

>> b
b =
    1
    2
    3
    4

>> c
c =
    1
    2

>> d
d =
    1
    2
    3
    4

>> x=Problema3(a,b,c,d)
x =
    0
    0
    1
    1















x =
    0
    0
    1
    1
```


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









Command Window


```
a =  
1  
2  
  
>> b  
b =  
1  
2  
3  
4  
  
>> c  
c =  
1  
2  
  
>> d  
d =  
1  
2  
3  
4  
  
>> x=Problema3(a,b,c,d)  
x =  
0  
0  
1  
1  
  
x =  
0  
0  
1  
1  
  
>> A*x  
ans =  
1  
2  
3  
4  
  
>> |
```

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Command Window

```
>> A=[1 4 0 0; 3 4 1 0; 0 2 3 4; 0 0 1 3]
A =

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

>> b=[1 2 3 4]
b =

     1     2     3     4

>> b=b'
b =

     1
     2
     3
     4

>> c=[4; 1; 4]
c =

     4
     1
     4

>> b=[1;4;3;3]
b =

     1
     4
     3
     3














>> a=[3;2;1]
a =


     3
     2
     1

>> d=[1;2;3;4]
d =

     1
     2
     3
     4
```

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```
4
1
4

>> b=[1;4;3;3]
b =

     1
     4
     3
     3

>> a=[3;2;1]
a =

     3
     2
     1

>> d=[1;2;3;4]
d =

     1
     2
     3
     4

>> x=Thomas(a,b,c,d)
x =

    1.173913   -0.043478   -1.347826    1.782609

>> X=x'
X =

    1.173913
   -0.043478
   -1.347826
    1.782609

>> A*x
ans =

     1
     2
     3
     4

>> |
```

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