

Circuit R-L serie

```

TOTAL POWER DISSIPATION  0.00E+00  WATTS
□
**** 04/15/21 12:14:24 ***** Evaluation PSpice (Nov 1999) *****

Circuit R-L serie

****      AC ANALYSIS                      TEMPERATURE =  27.000 DEG C

*****

FREQ      I(R1)      IP(R1)      IR(R1)      II(R1)

1.000E+02  8.467E-02  -3.214E+01  7.170E-02  -4.505E-02

JOB CONCLUDED

TOTAL JOB TIME          .03
□
```

Circuit R-C serie

```

□
**** 04/15/21 12:19:42 ***** Evaluation PSpice (Nov 1999) *****

Circuit R-C serie

****      AC ANALYSIS                      TEMPERATURE =  27.000 DEG C

*****

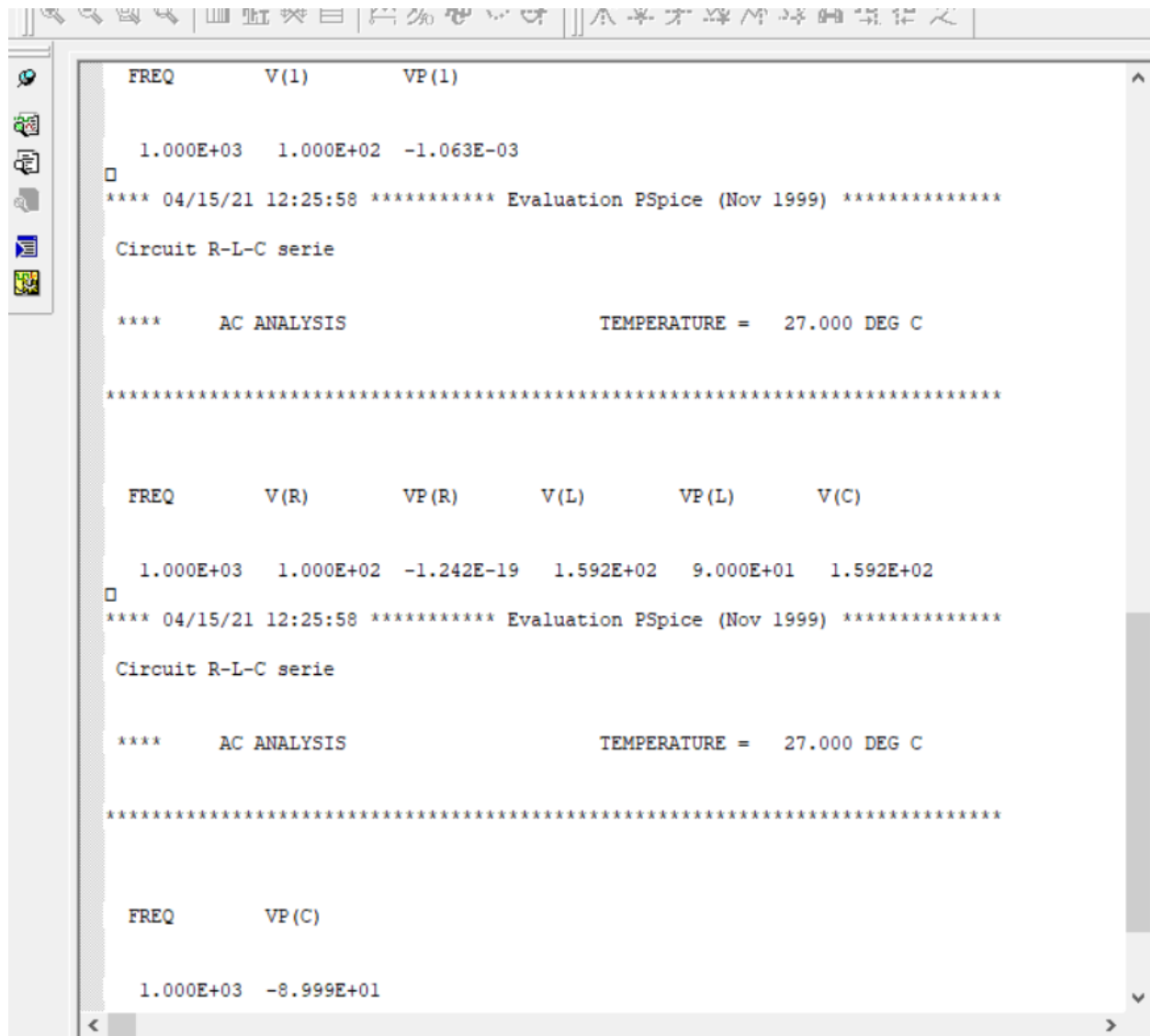
FREQ      I(R1)      IP(R1)      V(R1)      V(C1)

3.180E+02  8.943E-02  2.659E+01  8.943E-01  4.476E-01

JOB CONCLUDED

TOTAL JOB TIME          0.00
□
```

Circuit R-L-C serie



```
FREQ      V(1)      VP(1)

1.000E+03  1.000E+02  -1.063E-03
**** 04/15/21 12:25:58 ***** Evaluation PSpice (Nov 1999) *****
Circuit R-L-C serie

****      AC ANALYSIS                      TEMPERATURE = 27.000 DEG C

*****

FREQ      V(R)      VP(R)      V(L)      VP(L)      V(C)

1.000E+03  1.000E+02  -1.242E-19  1.592E+02  9.000E+01  1.592E+02
**** 04/15/21 12:25:58 ***** Evaluation PSpice (Nov 1999) *****
Circuit R-L-C serie

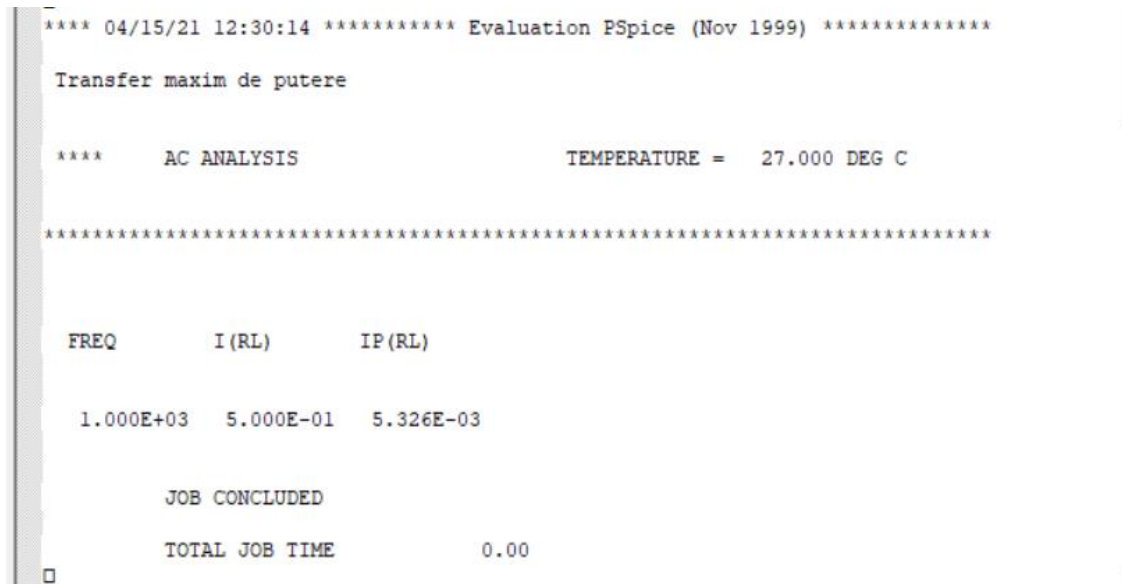
****      AC ANALYSIS                      TEMPERATURE = 27.000 DEG C

*****

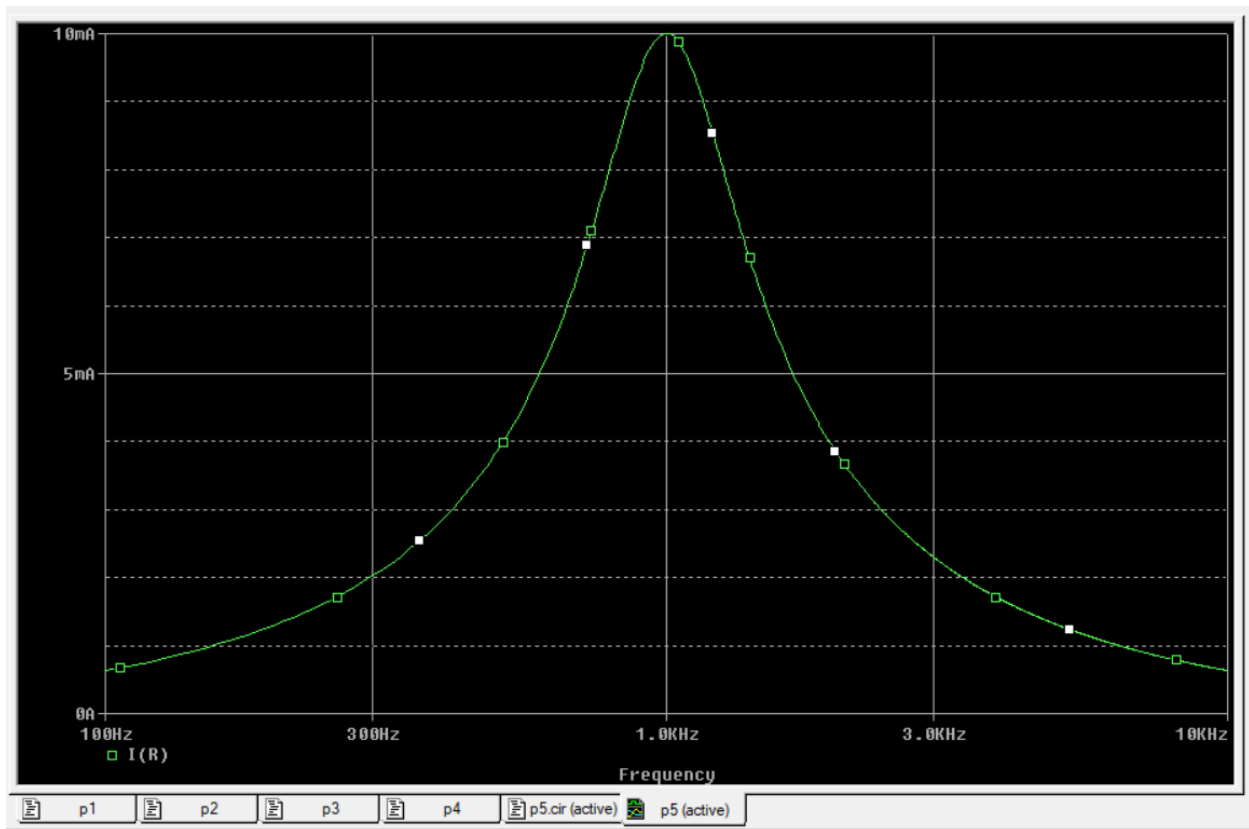
FREQ      VP(C)

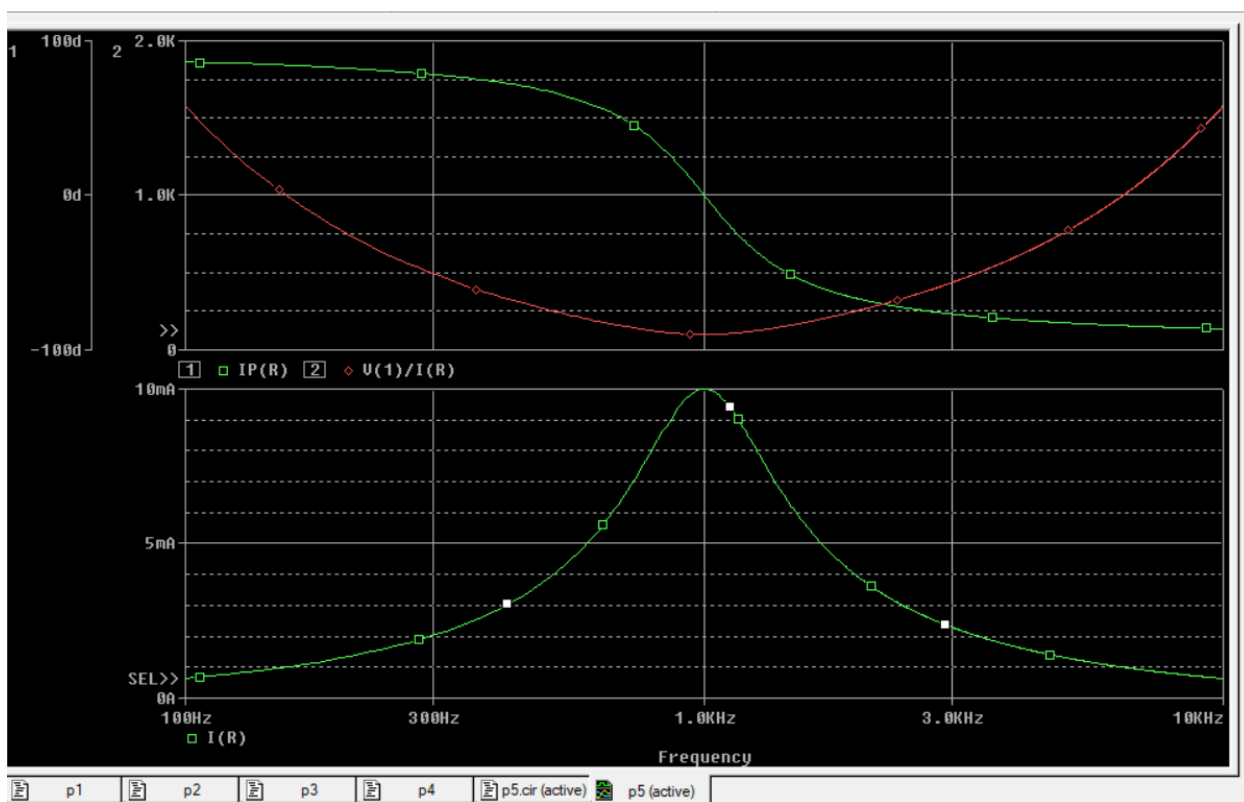
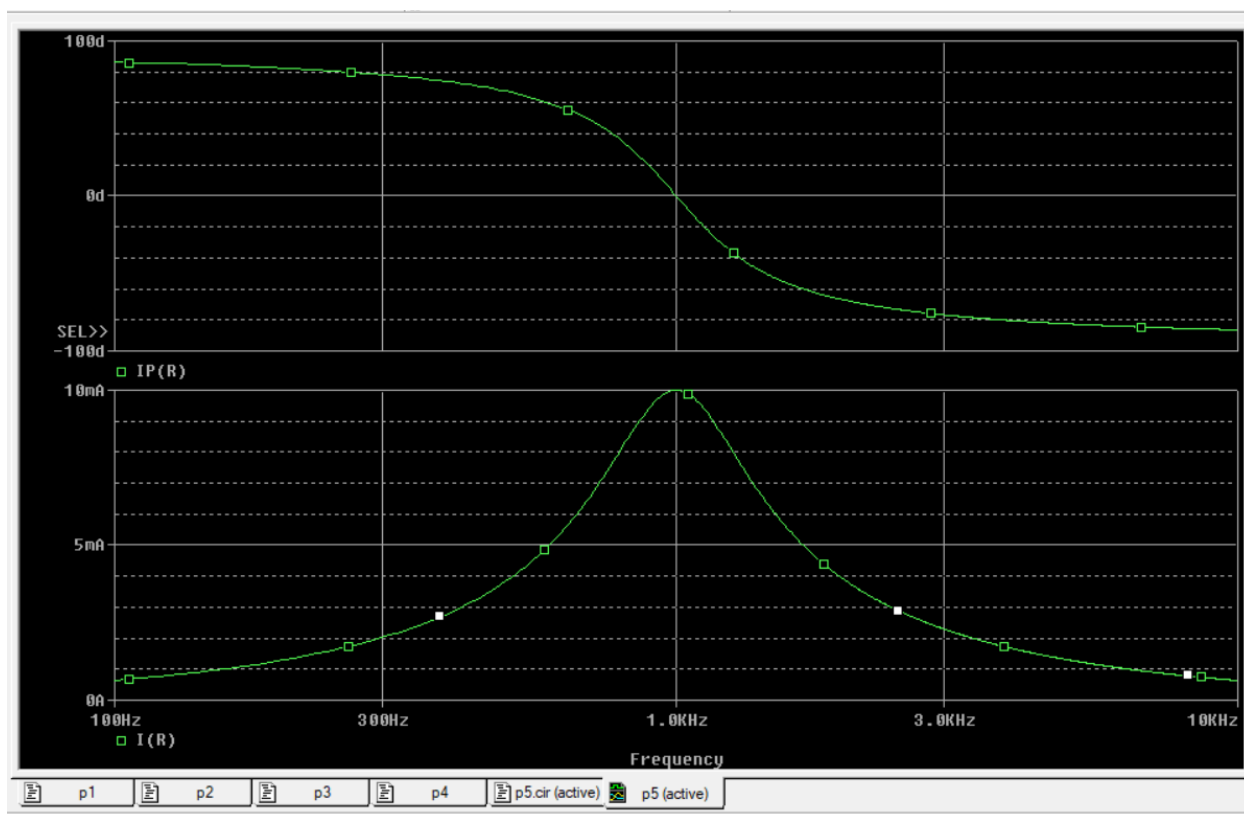
1.000E+03  -8.999E+01
```

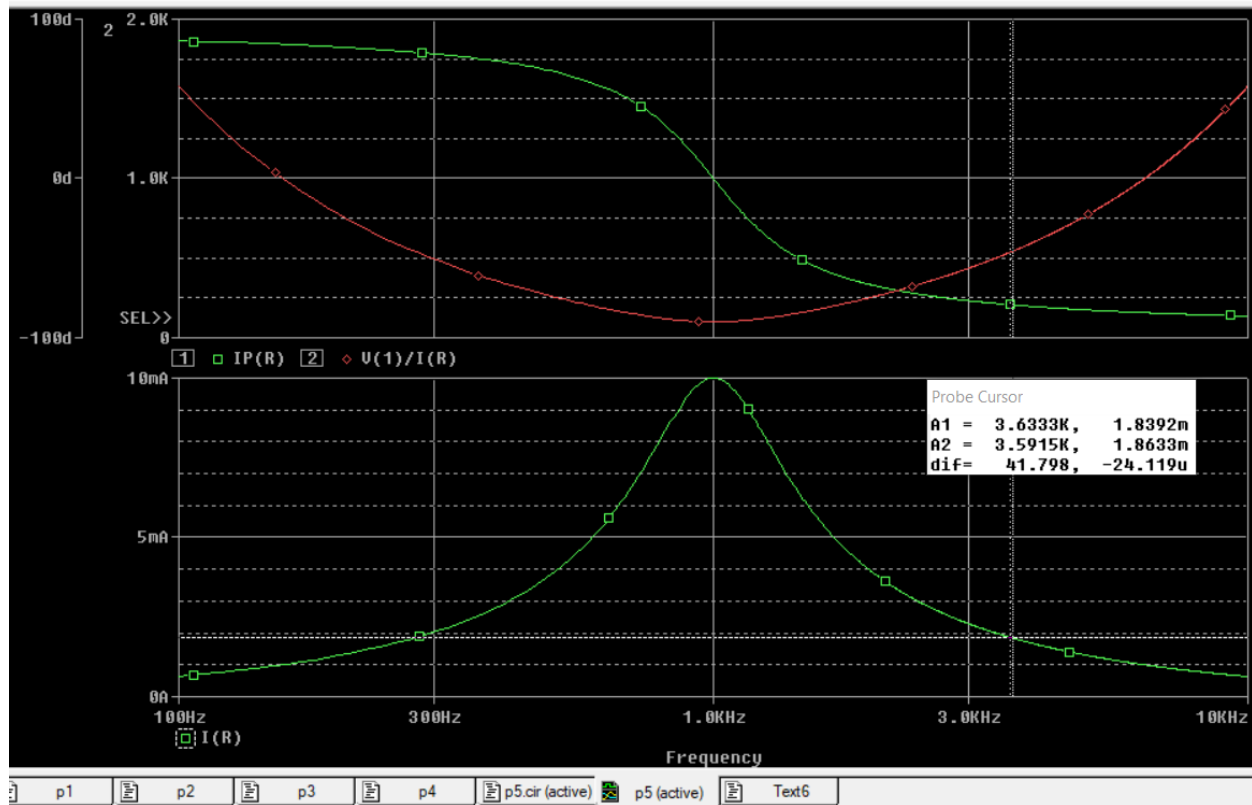
Transfer maxim de putere



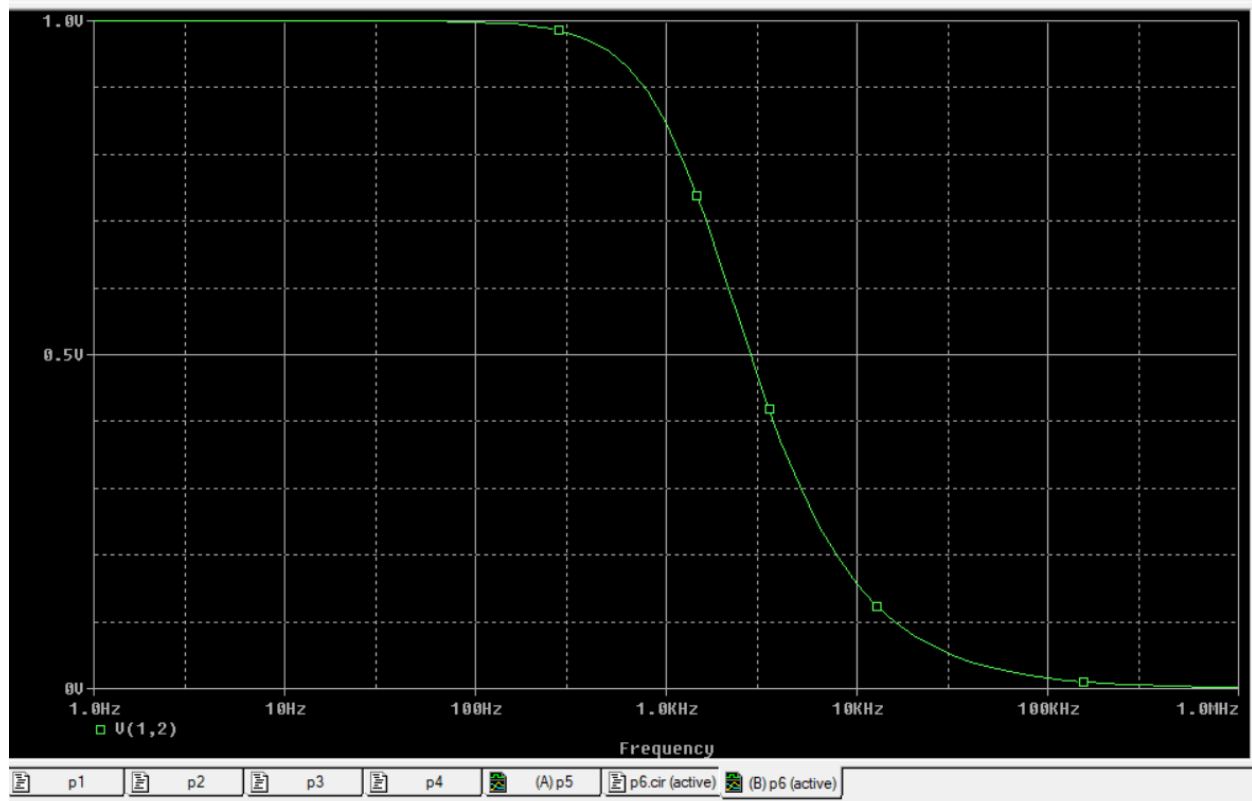
Rezonanta serie

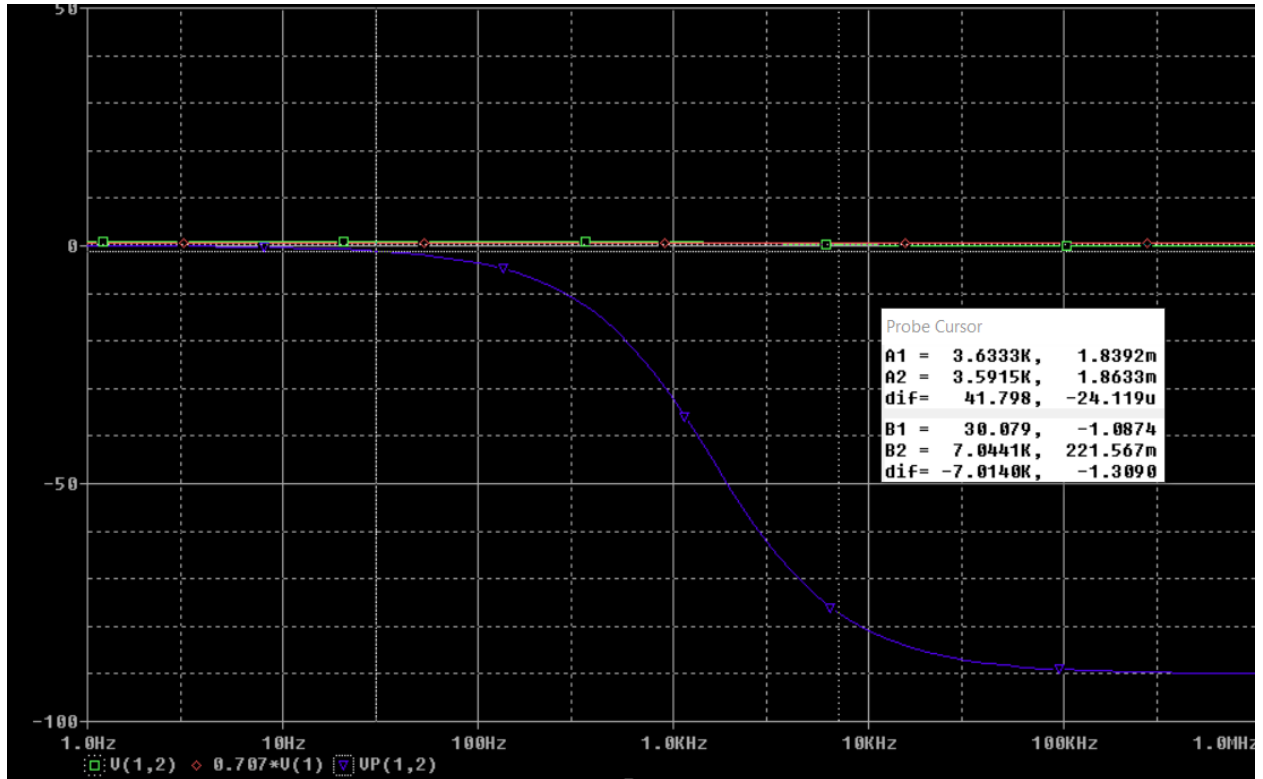
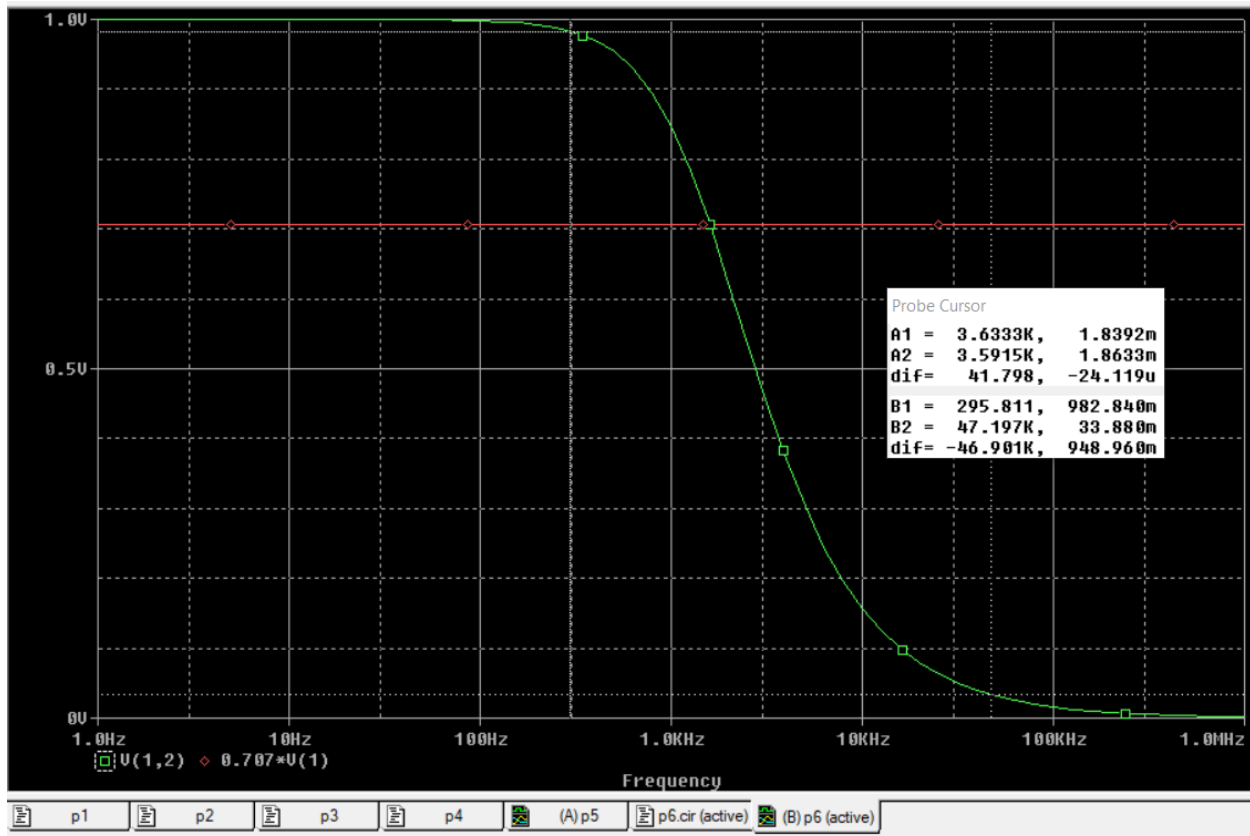




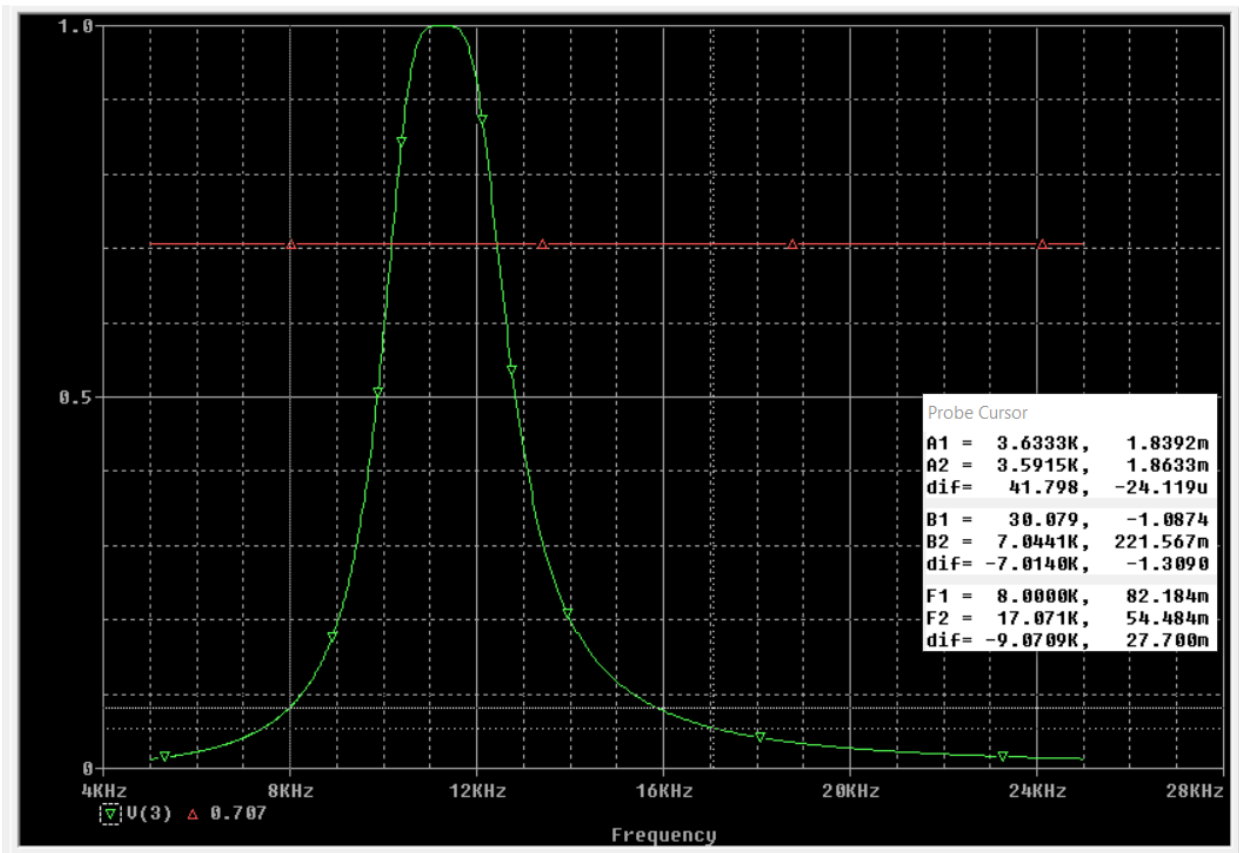


Filtru trece-jos

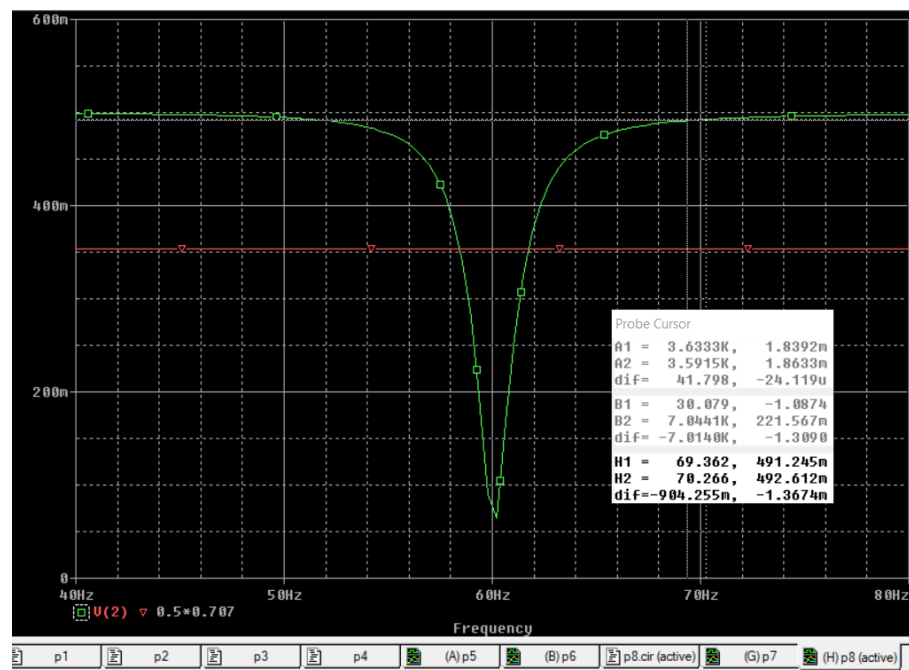




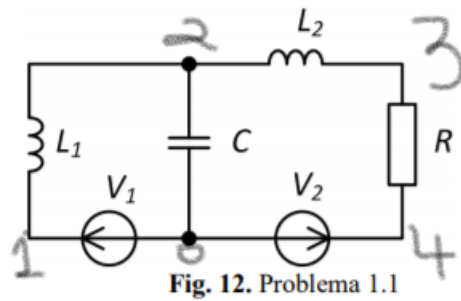
Filtru trece-banda de tip Butterworth



Filtrul opreste-banda



Problema 1.1



```

V1      0.000E+00
V2      0.000E+00

TOTAL POWER DISSIPATION  0.00E+00  WATTS

**** 04/15/21 13:48:25 ***** Evaluation PSpice (Nov 1999) *****

Problema 1.1

**** AC ANALYSIS TEMPERATURE = 27.000 DEG C

*****

FREQ      I(L1)      IP(L1)      I(R)      IP(R)      I(L2)

5.000E+01  2.000E+00  1.350E+02  1.414E+00  -1.800E+02  1.414E+00

**** 04/15/21 13:48:25 ***** Evaluation PSpice (Nov 1999) *****

Problema 1.1

**** AC ANALYSIS TEMPERATURE = 27.000 DEG C

*****

FREQ      IP(L2)      I(C)      IP(C)

5.000E+01  -1.800E+02  1.415E+00  8.999E+01
    
```

```

Problema 1.1
V1 1 0 AC 20 -45
L1 1 2 31.84M
L2 2 3 95.54M
R 3 4 10
V2 4 0 AC 60 45
C 2 0 159.15u
.AC LIN 1 50 50
.PRINT AC I(L1) IP(L1) I(R) IP(R) I(L2) IP(L2) I(C) IP(C)
.END
    
```


Problema 1.2

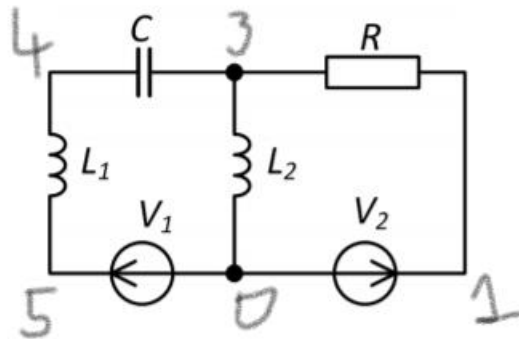


Fig. 13. Problema 1.2

```
Problema 1.2
V1 5 0 AC 28.28 -90
V2 1 0 AC 20 135
L1 5 4 63.7m
L2 3 0 31.85m
C 4 3 318.47u
R 3 1 10
.AC LIN 1 50 50
.PRINT AC I(L1) IP(L1) I(R) IP(R) I(L2) IP(L2) I(C) IP(C)
.END
```

```
**** 04/15/21 14:02:34 **** Evaluation PSpice (Nov 1999) ****
Problema 1.2

**** AC ANALYSIS TEMPERATURE = 27.000 DEG C ****

*****

FREQ      I(L1)      IP(L1)      I(R)      IP(R)      I(L2)
|
5.000E+01  1.998E+00  -1.350E+02  2.827E+00  -9.002E+01  1.998E+00
□
**** 04/15/21 14:02:34 **** Evaluation PSpice (Nov 1999) ****
Problema 1.2

**** AC ANALYSIS TEMPERATURE = 27.000 DEG C ****

*****

FREQ      IP(L2)      I(C)      IP(C)
|
5.000E+01  1.350E+02  1.998E+00  -1.350E+02

JOB CONCLUDED

TOTAL JOB TIME 0.00
□
< >
```

Problema 1.3

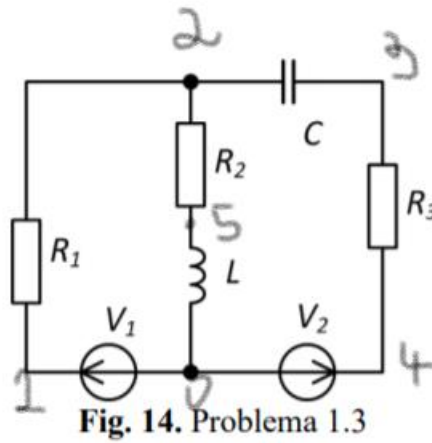


Fig. 14. Problema 1.3

```
Problema 1.3
V1 1 0 AC 40 45
V2 4 0 AC 80 45
R1 1 2 20
R2 2 5 10
L 5 0 31.841m
C 2 3 79.61u
R3 3 4 20
.AC LIN 1 50 50
.PRINT AC I(L) IP(L) I(R1) IP(R1) I(R2) IP(R2) I(R3) IP(R3) I(C) IP(C)
.END
```

```

0
**** 04/15/21 14:56:10 **** Evaluation PSpice (Nov 1999) ****
Problema 1.3

**** AC ANALYSIS TEMPERATURE = 27.000 DEG C
*****

FREQ      I(L)      IP(L)      I(R1)      IP(R1)      I(R2)
5.000E+01  2.000E+00  4.499E+01  1.414E+00  -1.663E-02  2.000E+00
d
**** 04/15/21 14:56:10 **** Evaluation PSpice (Nov 1999) ****
Problema 1.3

**** AC ANALYSIS TEMPERATURE = 27.000 DEG C
*****

FREQ      IP(R2)      I(R3)      IP(R3)      I(C)      IP(C)
5.000E+01  4.499E+01  1.415E+00  -9.002E+01  1.415E+00  -9.002E+01
<

```