

```

list
Vcc 1 0 DC 15.
Vee 6 0 DC -15.
Rc 1 2 10.K
Rb 3 0 100.K
Ra 4 6 20.K
Cc 4 6 22.u
Co 2 5 10.u
Q1 2 3 4 n area=1.
.model n npn ( kf=0. af=1. bf=50. br=1. is=15.f nf=1.
+ nr=1. vaf=100. isc=0. c4=0. nc=2. ise=0. c2=0. ne=1.5
+ xbe=0. xbm=0. xre=0. xrc=0. cjc=10.p cje=25.p cjs=0.
+ fc=0.5 mjc=0.33 mje=0.33 mjs=0. vjc=0.75 vje=0.75
+ vjs=0.75 xcjc=1. itf=0. ptf=0. tf=0. tr=0. xtf=0.
+ xtb=0. xti=3. eg=1.11)
**()

```

```

pr op v nodes
op
# v(1) v(2) v(3) v(4) v(5) v(6)
300.15 15. 8.5239 -1.1806 -1.8116 0. -15.
pr op i r*
op
# i(Rc) i(Rb) i(Ra)
300.15 647.61u -11.806u 659.42u
pr ac v 3 v 2 v 5
b
vin 3 0 ac 1

```

```

op
# i(Rc) i(Rb) i(Ra)
300.15 705.25u -1.3067f 718.32u
pr op v nodes
op
# v(1) v(2) v(3) v(4) v(5) v(6)
300.15 15. 7.9475 -130.67p -0.6336 0. -15.
ac lk
#FREQ v(3) v(2) v(5)
1.K 1. 251.43 251.43
b
vin 3 0 gen

```

```

op
# v(1) v(2) v(3) v(4) v(5) v(6)
300.15 15. 7.9475 -130.67p -0.6336 0. -15.
ac
#FREQ v(3) v(2) v(5)
1.K 1. 251.43 251.43
ac50
#FREQ v(3) v(2) v(5)
50. 1. 65.388 65.388
mod ce=100u
op
# v(1) v(2) v(3) v(4) v(5) v(6)
300.15 15. 7.9475 -130.67p -0.6336 0. -15.
ac
#FREQ v(3) v(2) v(5)
50. 1. 196.67 196.67
ac lk
#FREQ v(3) v(2) v(5)
1.K 1. 255.67 255.67

```

```

gen
freq=0. ampl=1. phase=0. max=1. min=0. offset=0. init=0.
+ rise=1.p fall=1.p delay=0. width=0. period=0.
gen ampl=.004 freq=1k
pr tr v 3 v 2 v 5
tr 0 .001 .01
#Time v(3) v(2) v(5)
0. -130.67p 7.9475 0.
tr0 .001 .0001
#Time v(3) v(2) v(5)
0. -130.67p 7.9475 0.
100.u 0.0023511 7.3304 -0.61703
200.u 0.0038042 6.943 -1.0045
300.u 0.0038042 6.972 -0.97549
400.u 0.0023511 7.4025 -0.54494
500.u -128.78p 8.0285 0.081009
600.u -0.0023511 8.5918 0.64433
700.u -0.0038042 8.9053 0.95779
800.u -0.0038042 8.8838 0.93632
900.u -0.0023511 8.5321 0.58465
0.001 -130.97p 7.9469 -587.63u
tr0 .001 .00005
#Time v(3) v(2) v(5)
0. -130.67p 7.9475 0.
50.u 0.0012361 7.6269 -0.32057
100.u 0.0023511 7.3304 -0.61702
150.u 0.0032361 7.0926 -0.85487
200.u 0.0038042 6.943 -1.0045
250.u 0.004 6.9012 -1.0462
300.u 0.0038042 6.9728 -0.97468
350.u 0.0032361 7.148 -0.79948
400.u 0.0023511 7.4039 -0.5436
450.u 0.0012361 7.7092 -0.23822
500.u -128.72p 8.0297 0.082274
550.u -0.0012361 8.3332 0.38578
600.u -0.0023511 8.5927 0.64523
650.u -0.0032361 8.788 0.84056
700.u -0.0038042 8.9056 0.95816
750.u -0.004 8.9382 0.99078
800.u -0.0038042 8.8837 0.93622
850.u -0.0032361 8.7453 0.79779
900.u -0.0023511 8.5315 0.58407
950.u -0.0012361 8.2578 0.31034
0.001 -130.98p 7.9461 -0.0014155

```

```

plot tran v(2)
tr0
v(2) -5. -2.5 0. 2.5 5.
0.
50.u
100.u
150.u
200.u
250.u
300.u
350.u
400.u
450.u
500.u

```

```

print fourier v(5)
fourier lk
#Time v(5)
0.001 -0.96115
0.0010313 -1.1788
0.0010625 -1.3909
0.0010938 -1.5878
0.001125 -1.7601
0.0011563 -1.8993
0.0011875 -1.9979
0.0012188 -2.0507
0.00125 -2.0544
0.0012813 -2.0087
0.0013125 -1.9155
0.0013438 -1.7796
0.001375 -1.6073
0.0014063 -1.4071
0.0014375 -1.1877
0.0014688 -0.9587
0.0015 -0.72919
0.0015313 -0.50781
0.0015625 -0.302
0.0015938 -0.11836
0.001625 0.037972
0.0016563 0.16278
0.0016875 0.25319
0.0017188 0.3071
0.00175 0.32357
0.0017813 0.3023
0.0018125 0.24411
0.0018438 0.15046
0.001875 0.024025
0.0019063 -0.13173
0.0019375 -0.31194
0.0019688 -0.51083
0.002 -0.72123

```

```

#FREQ actual value dB phase value dB phase
0. 0.82974 -1.62 -90.000 0.68789 -3.25 86.898
1.K 1.2062 1.63 -176.898 1. 0.00 0.000
2.K 0.053279 -25.47 142.736 0.04417 -27.10 -40.366
3.K 0.024896 -32.08 -164.957 0.02064 -33.71 11.941
4.K 0.019422 -34.23 -158.742 0.016102 -35.86 18.156
5.K 0.01577 -36.04 -152.808 0.013074 -37.67 24.089
6.K 0.013382 -37.47 -146.977 0.011094 -39.10 29.920
7.K 0.01172 -38.62 -141.205 0.0097163 -40.25 35.693
8.K 0.010515 -39.56 -135.467 0.0087177 -41.19 41.431
9.K 0.0096196 -40.34 -129.751 0.007975 -41.97 47.147

```

```

gen
freq=1.K ampl=.004 phase=0. max=1. min=0. offset=0.
+ init=0. rise=1.p fall=1.p delay=0. width=0. period=0.
gen ampl=.04
tr0
#Time v(3) v(2) v(5)
0. -130.67p 7.9475 0.
50.u 0.012361 4.0796 -3.8679
100.u 0.023511 -0.50664 -8.4541
150.u 0.032361 -0.57207 -8.5195
200.u 0.038042 -0.58087 -8.5283
250.u 0.04 -0.58195 -8.5294
300.u 0.038042 -0.57767 -8.5251
350.u 0.032361 -0.56247 -8.5099
400.u 0.023511 0.87466 -7.0728
450.u 0.012361 5.4841 -2.4634
500.u -113.72p 8.9228 0.97535
550.u -0.012361 11.132 3.1842
600.u -0.023511 12.445 4.4974
650.u -0.032361 13.149 5.2011
700.u -0.038042 13.501 5.554
750.u -0.04 13.586 5.6382
800.u -0.038042 13.469 5.5213
850.u -0.032361 13.069 5.122
900.u -0.023511 12.287 4.3391
950.u -0.012361 10.838 2.8905
0.001 -128.54p 8.4246 0.47714

```

```

plot tran v(2) ( 0., 16.)
ac
dc
op
fourier
tr0

```

```

550.u
600.u
650.u
700.u
750.u
800.u
850.u
900.u
950.u
0.001

```

```

plot tran v(2) (0,16)
tr0
v(2) 0. 4. 8. 12. 16.
0.
50.u
100.u
150.u
200.u
250.u
300.u
350.u
400.u
450.u
500.u
550.u
600.u
650.u
700.u
750.u
800.u
850.u
900.u
950.u
0.001

```

```

print fourier v(5)
fourier lk
#Time v(5)
0.001 -0.96115
0.0010313 -1.1788
0.0010625 -1.3909
0.0010938 -1.5878
0.001125 -1.7601
0.0011563 -1.8993
0.0011875 -1.9979
0.0012188 -2.0507
0.00125 -2.0544
0.0012813 -2.0087
0.0013125 -1.9155
0.0013438 -1.7796
0.001375 -1.6073
0.0014063 -1.4071
0.0014375 -1.1877
0.0014688 -0.9587
0.0015 -0.72919
0.0015313 -0.50781
0.0015625 -0.302
0.0015938 -0.11836
0.001625 0.037972
0.0016563 0.16278
0.0016875 0.25319
0.0017188 0.3071
0.00175 0.32357
0.0017813 0.3023
0.0018125 0.24411
0.0018438 0.15046
0.001875 0.024025
0.0019063 -0.13173
0.0019375 -0.31194
0.0019688 -0.51083
0.002 -0.72123

```

```

#FREQ actual value dB phase value dB phase
0. 0.82974 -1.62 -90.000 0.68789 -3.25 86.898
1.K 1.2062 1.63 -176.898 1. 0.00 0.000
2.K 0.053279 -25.47 142.736 0.04417 -27.10 -40.366
3.K 0.024896 -32.08 -164.957 0.02064 -33.71 11.941
4.K 0.019422 -34.23 -158.742 0.016102 -35.86 18.156
5.K 0.01577 -36.04 -152.808 0.013074 -37.67 24.089
6.K 0.013382 -37.47 -146.977 0.011094 -39.10 29.920
7.K 0.01172 -38.62 -141.205 0.0097163 -40.25 35.693
8.K 0.010515 -39.56 -135.467 0.0087177 -41.19 41.431
9.K 0.0096196 -40.34 -129.751 0.007975 -41.97 47.147

```

```

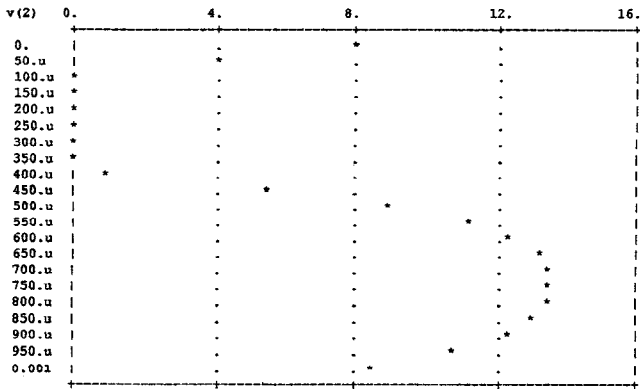
gen
freq=1.K ampl=.004 phase=0. max=1. min=0. offset=0.
+ init=0. rise=1.p fall=1.p delay=0. width=0. period=0.
gen ampl=.04
tr0
#Time v(3) v(2) v(5)
0. -130.67p 7.9475 0.
50.u 0.012361 4.0796 -3.8679
100.u 0.023511 -0.50664 -8.4541
150.u 0.032361 -0.57207 -8.5195
200.u 0.038042 -0.58087 -8.5283
250.u 0.04 -0.58195 -8.5294
300.u 0.038042 -0.57767 -8.5251
350.u 0.032361 -0.56247 -8.5099
400.u 0.023511 0.87466 -7.0728
450.u 0.012361 5.4841 -2.4634
500.u -113.72p 8.9228 0.97535
550.u -0.012361 11.132 3.1842
600.u -0.023511 12.445 4.4974
650.u -0.032361 13.149 5.2011
700.u -0.038042 13.501 5.554
750.u -0.04 13.586 5.6382
800.u -0.038042 13.469 5.5213
850.u -0.032361 13.069 5.122
900.u -0.023511 12.287 4.3391
950.u -0.012361 10.838 2.8905
0.001 -128.54p 8.4246 0.47714

```

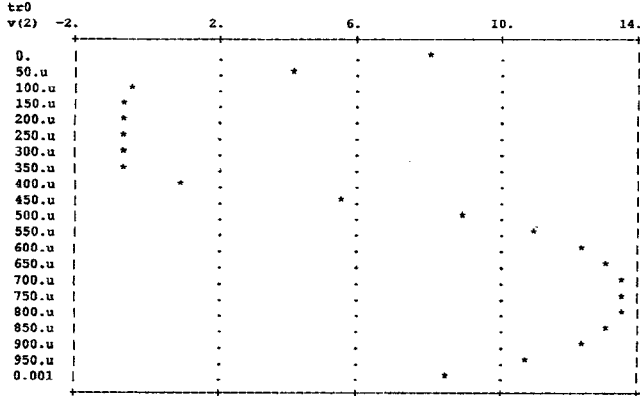
```

plot tran v(2) ( 0., 16.)
ac
dc
op
fourier
tr0

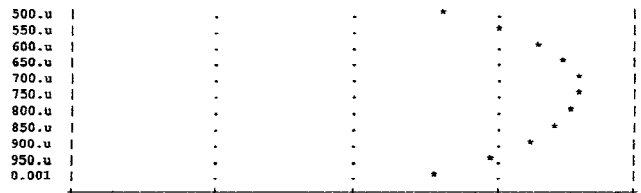
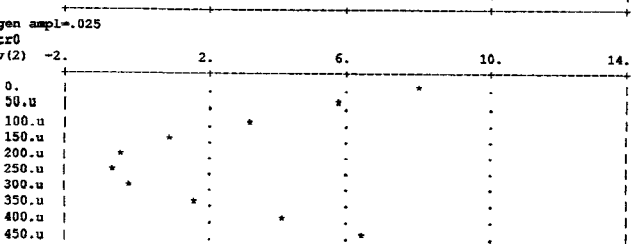
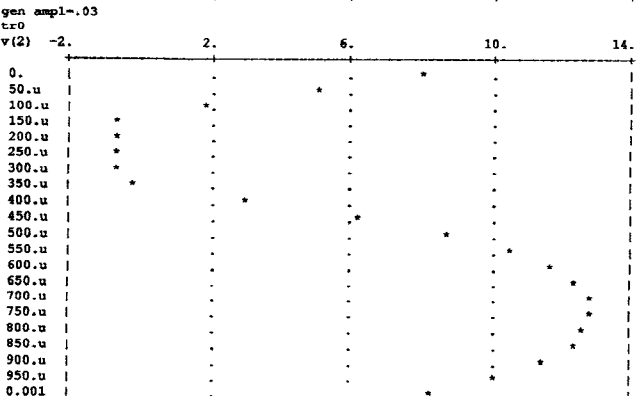
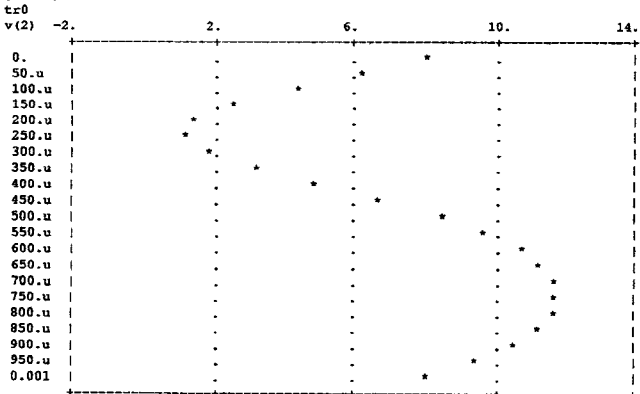
```



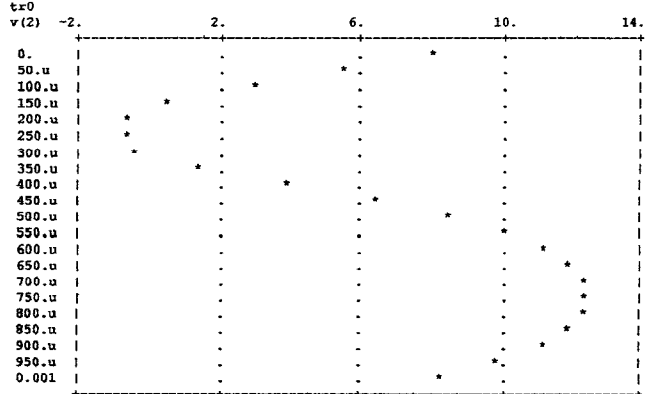
plot tran v(2) (-2,14)



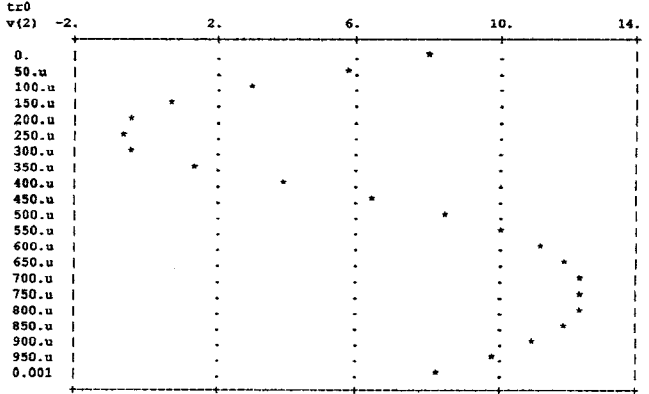
gen
freq= 1.K ampl= 0.04 phase= 0. max= 1. min= 0. offset= 0.
+ init= 0. rise= 1.p fall= 1.p delay= 0. width= 0. period= 0.
gen ampl=.02



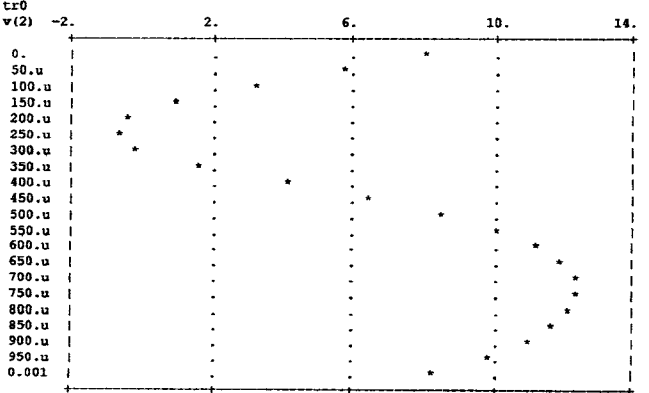
gen ampl=.026



gen ampl=.0255



gen ampl=.025



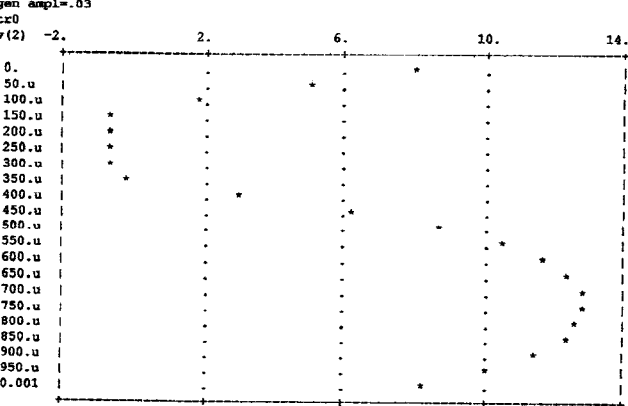
fo

\$Time	v(5)
0.001	-0.71143
0.0010313	-2.1823
0.0010625	-3.8073
0.0010938	-5.4989
0.001125	-7.1369
0.0011563	-8.435
0.0011875	-9.4894
0.0012188	-8.499
0.00125	-8.5001
0.0012813	-8.4937
0.0013125	-8.4702
0.0013438	-7.7048
0.001375	-6.1331
0.0014063	-4.4436
0.0014375	-2.7931
0.0014688	-1.2532
0.0015	0.085709
0.0015313	1.2242
0.0015625	2.1331
0.0015938	2.8567
0.001625	3.3901
0.0016563	3.7859
0.0016875	4.0369
0.0017188	4.1871
0.00175	4.2175
0.0017813	4.1583
0.0018125	3.9771

# v(5)	actual	phase	relative	phase
0.0018438	3.6901			
0.001875	3.2521			
0.0019063	2.6876			
0.0019375	1.885			
0.0019688	0.91008			
0.002	-0.29263			

#freq	value	dB	phase	value	dB	phase
0.	1.4405	3.17	-90.000	0.21292	-13.44	87.077
1.K	6.7651	16.61	-177.077	1.	0.00	0.000
2.K	1.0523	0.44	100.234	0.15554	-16.16	-82.689
3.K	0.21488	-13.36	-173.958	0.031763	-29.96	3.118
4.K	0.26151	-11.65	109.868	0.038656	-28.26	-73.055
5.K	0.16606	-15.59	16.637	0.024546	-32.20	-166.287
6.K	0.12442	-18.10	-78.975	0.018391	-34.71	98.101
7.K	0.079672	-21.97	-151.289	0.011777	-38.58	25.788
8.K	0.025428	-31.89	-178.801	0.0037588	-48.50	-1.725
9.K	0.030364	-30.35	-155.224	0.0044884	-46.96	21.853

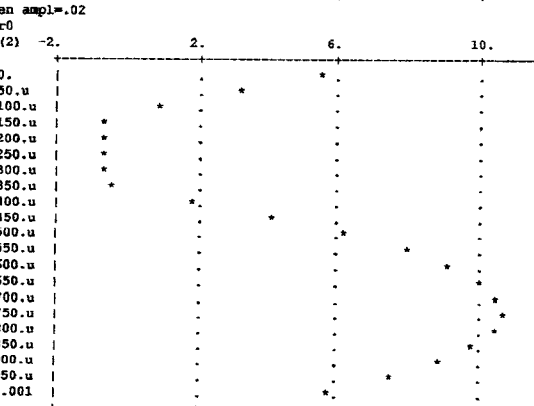
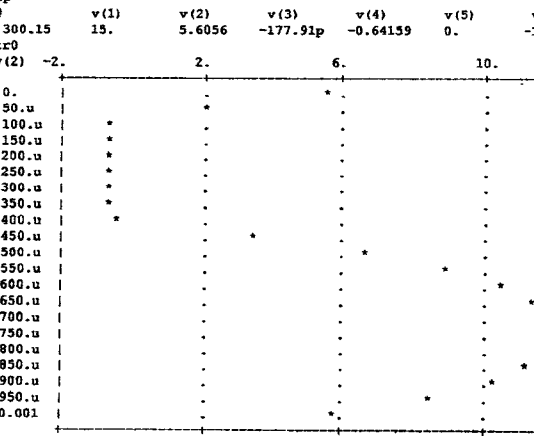
# v(5)	actual	phase	relative	phase
0.002	-0.92426			
0.0020313	-2.4844			
0.0020625	-4.2269			
0.0020938	-6.0505			
0.002125	-7.8113			
0.0021563	-8.4833			
0.0021875	-8.5029			
0.0022188	-8.5091			
0.00225	-8.5097			
0.0022813	-8.5054			
0.0023125	-8.4924			
0.0023438	-8.3938			
0.002375	-6.7151			
0.0024063	-4.8905			
0.0024375	-3.1151			
0.0024688	-1.4694			
0.0025	-0.045775			
0.0025313	1.1558			
0.0025625	2.1098			
0.0025938	2.8637			
0.002625	3.4169			
0.0026563	3.8248			
0.0026875	4.0832			
0.0027188	4.237			
0.00275	4.2687			
0.0027813	4.2083			
0.0028125	4.0235			
0.0028438	3.7291			
0.002875	3.2784			
0.0029063	2.6729			
0.0029375	1.8584			
0.0029688	0.83643			
0.003	-0.43111			



#freq	value	dB	phase	value	dB	phase
0.	1.5801	3.97	-90.000	0.22768	-12.85	87.120
1.K	6.9402	16.83	-177.120	1.	0.00	0.000
2.K	0.93845	-0.33	100.274	0.13522	-17.38	-82.606
3.K	0.38951	-8.19	-169.750	0.056125	-25.02	7.370
4.K	0.37327	-8.56	110.680	0.053784	-25.39	-72.200
5.K	0.1996	-14.00	17.709	0.02876	-30.82	-165.171
6.K	0.10787	-19.34	-85.604	0.015542	-36.17	91.516
7.K	0.030181	-30.41	-168.351	0.0043487	-47.23	8.769
8.K	0.051268	-25.80	-71.940	0.0073871	-42.63	105.180
9.K	0.081475	-21.78	-140.279	0.01174	-38.61	36.841

# v(5)	actual	phase	relative	phase
0.0017813	4.6895			
0.0018125	4.5314			
0.0018438	4.2249			
0.001875	3.7969			
0.0019063	3.1628			
0.0019375	2.3333			
0.0019688	1.2187			
0.002	-0.16003			

#freq	value	dB	phase	value	dB	phase
0.	1.4193	3.04	-90.000	0.19276	-14.30	87.194
1.K	7.3629	17.34	-177.194	1.	0.00	0.000
2.K	0.91281	-0.79	100.599	0.12397	-18.13	-82.207
3.K	0.61774	-4.18	-171.800	0.083899	-21.52	5.394
4.K	0.50946	-5.86	106.853	0.069193	-23.20	-75.954
5.K	0.20656	-13.70	17.430	0.028054	-31.04	-165.376
6.K	0.034354	-29.28	-97.236	0.0046658	-46.62	79.957
7.K	0.060867	-24.31	10.657	0.0082667	-41.65	-172.150
8.K	0.11006	-19.17	-76.277	0.014948	-36.51	100.917
9.K	0.087405	-21.17	-145.892	0.011871	-38.51	31.301



#freq	value	dB	phase	value	dB	phase
0.	1.5801	3.97	-90.000	0.22768	-12.85	87.120
1.K	6.9402	16.83	-177.120	1.	0.00	0.000
2.K	0.93845	-0.33	100.274	0.13522	-17.38	-82.606
3.K	0.38951	-8.19	-169.750	0.056125	-25.02	7.370
4.K	0.37327	-8.56	110.680	0.053784	-25.39	-72.200
5.K	0.1996	-14.00	17.709	0.02876	-30.82	-165.171
6.K	0.10787	-19.34	-85.604	0.015542	-36.17	91.516
7.K	0.030181	-30.41	-168.351	0.0043487	-47.23	8.769
8.K	0.051268	-25.80	-71.940	0.0073871	-42.63	105.180
9.K	0.081475	-21.78	-140.279	0.01174	-38.61	36.841

```

Vcc 1 0 DC 15.
Vee 6 0 DC -15.
Rc 1 2 10.K
Rb 3 0 100.K
Re 4 6 15.K
Ce 4 6 100.u
Co 2 5 10.u
Q1 2 3 4 4 n area=1.
.model n npn ( kf=0. af=1. bf=50. br=1. is=15.f nf=1.
+ nr=1. vaf=100. isc=0. c4=0. nc=2. ise=0. c2=0. ne=1.5
+ rb=0. xbm=0. xm=0. xc=0. cjc=10.p cje=25.p cjs=0.
+ fc=0.5 mjc=0.33 mje=0.33 mjs=0. vjc=0.75 vje=0.75
+ vjs=0.75 xccjc=1. itf=0. ptf=0. tf=0. tr=0. xtf=0.
+ xtb=0. xti=3. eg=1.11)
+()

```

```

Vin 3 0 GENERATOR
b
.model n npn is=15f bf=200 vaf=100 cje=25p cjc=10p

```

```

1
Vcc 1 0 DC 15.
Vee 6 0 DC -15.
Rc 1 2 10.K
Rb 3 0 100.K
Re 4 6 15.K
Ce 4 6 100.u
Co 2 5 10.u
Q1 2 3 4 4 n area=1.
.model n npn ( kf=0. af=1. bf=50. br=1. is=15.f nf=1.
+ nr=1. vaf=100. isc=0. c4=0. nc=2. ise=0. c2=0. ne=1.5
+ rb=0. xbm=0. xm=0. xc=0. cjc=10.p cje=25.p cjs=0.
+ fc=0.5 mjc=0.33 mje=0.33 mjs=0. vjc=0.75 vje=0.75
+ vjs=0.75 xccjc=1. itf=0. ptf=0. tf=0. tr=0. xtf=0.
+ xtb=0. xti=3. eg=1.11)
+()

```

```

Vin 3 0 GENERATOR
.model n npn ( kf=0. af=1. bf=200. br=1. is=15.f nf=1.
+ nr=1. vaf=100. isc=0. c4=0. nc=2. ise=0. c2=0. ne=1.5
+ rb=0. xbm=0. xm=0. xc=0. cjc=10.p cje=25.p cjs=0.
+ fc=0.5 mjc=0.33 mje=0.33 mjs=0. vjc=0.75 vje=0.75
+ vjs=0.75 xccjc=1. itf=0. ptf=0. tf=0. tr=0. xtf=0.
+ xtb=0. xti=3. eg=1.11)
+()

```

```

del n
b
.model n npn is=15f bf=200 vaf=100 cje=25p cjc=10p

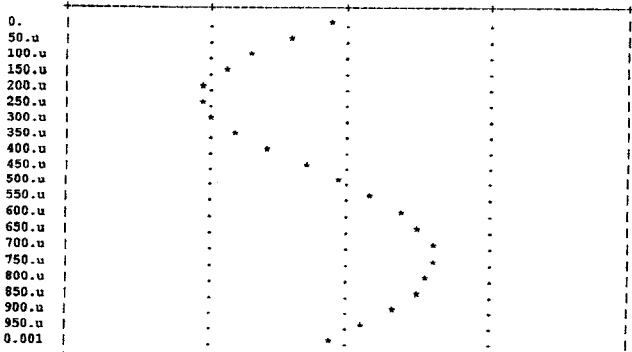
```

```

1
Vcc 1 0 DC 15.
Vee 6 0 DC -15.
Rc 1 2 10.K
Rb 3 0 100.K
Re 4 6 15.K
Ce 4 6 100.u
Co 2 5 10.u
Q1 2 3 4 4 n area=1.
Vin 3 0 GENERATOR
.model n npn ( kf=0. af=1. bf=200. br=1. is=15.f nf=1.
+ nr=1. vaf=100. isc=0. c4=0. nc=2. ise=0. c2=0. ne=1.5
+ rb=0. xbm=0. xm=0. xc=0. cjc=10.p cje=25.p cjs=0.
+ fc=0.5 mjc=0.33 mje=0.33 mjs=0. vjc=0.75 vje=0.75
+ vjs=0.75 xccjc=1. itf=0. ptf=0. tf=0. tr=0. xtf=0.
+ xtb=0. xti=3. eg=1.11)
+()

```

#	v(1)	v(2)	v(3)	v(4)	v(5)	v(6)
300.15	15.	5.4731	-45.162p	-0.64198	0.	-15.



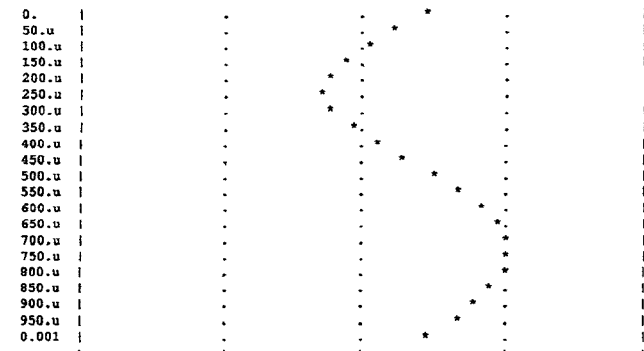
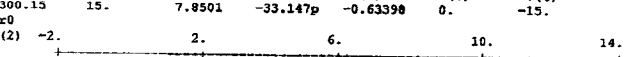
ac	#Freq	v(3)	v(2)	v(5)
1	1.K	1.	336.41	336.41

```

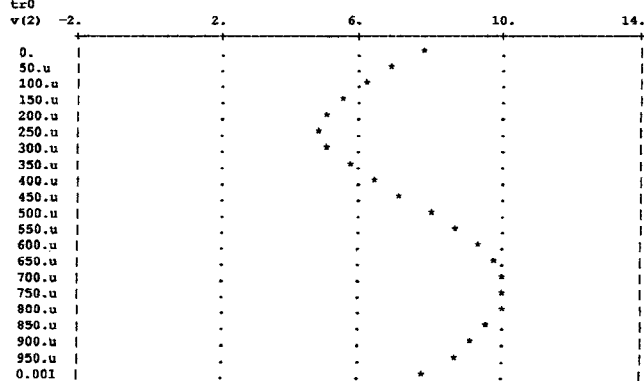
1
Vcc 1 0 DC 15.
Vee 6 0 DC -15.
Rc 1 2 10.K
Rb 3 0 100.K
Re 4 6 15.K
Ce 4 6 100.u
Co 2 5 10.u
Q1 2 3 4 4 n area=1.
Vin 3 0 GENERATOR
.model n npn ( kf=0. af=1. bf=200. br=1. is=15.f nf=1.
+ nr=1. vaf=100. isc=0. c4=0. nc=2. ise=0. c2=0. ne=1.5
+ rb=0. xbm=0. xm=0. xc=0. cjc=10.p cje=25.p cjs=0.
+ fc=0.5 mjc=0.33 mje=0.33 mjs=0. vjc=0.75 vje=0.75
+ vjs=0.75 xccjc=1. itf=0. ptf=0. tf=0. tr=0. xtf=0.
+ xtb=0. xti=3. eg=1.11)
+()

```

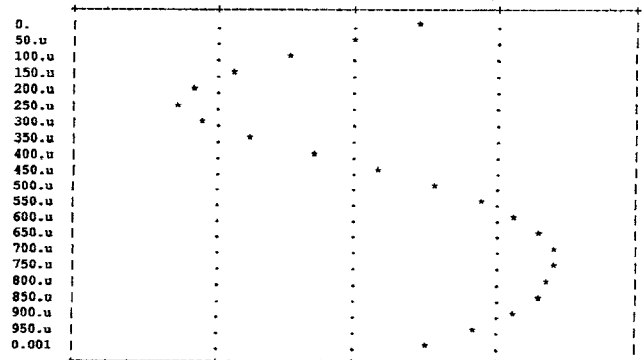
#	v(1)	v(2)	v(3)	v(4)	v(5)	v(6)
300.15	15.	7.8501	-33.147p	-0.63398	0.	-15.



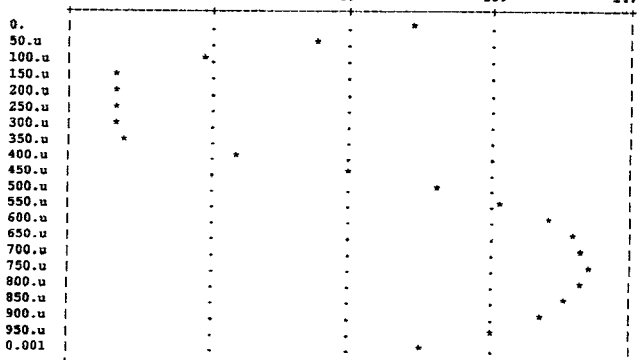
ac	#Freq	v(3)	v(2)	v(5)
1	1.K	1.	258.1	258.1



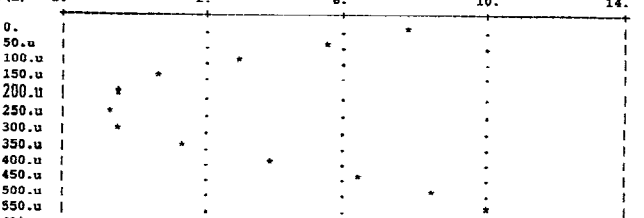
gen	ampl	tr0
0.02		

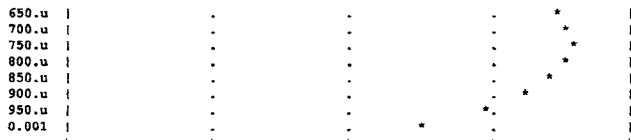


gen	ampl	tr0
0.03		

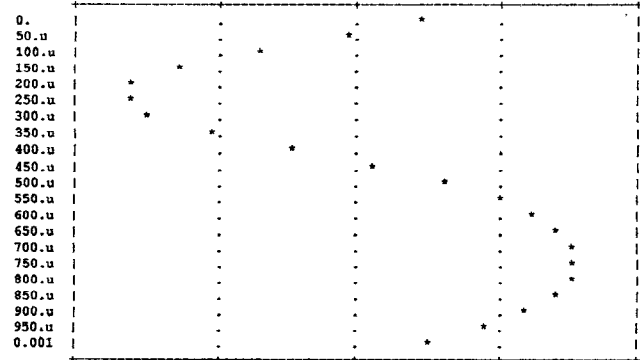


gen	ampl	tr0
0.025		

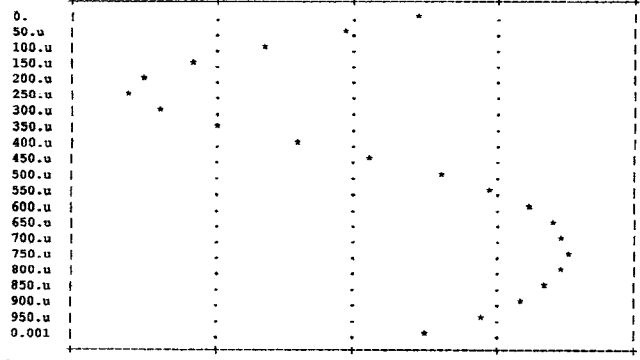




gen ampl=-.024
tr0
v(2) -2. 2. 6. 10. 14.



gen ampl=-.023
tr0
v(2) -2. 2. 6. 10. 14.



fo

#Time	v(5)
0.001	-0.71995
0.0010313	-2.0753
0.0010625	-3.56
0.0010938	-5.0919
0.001125	-6.5595
0.0011563	-7.9376
0.0011875	-9.3681
0.0012188	-10.7877
0.00125	-12.1995
0.0012813	-13.5986
0.0013125	-14.9859
0.0013438	-16.3652
0.001375	-17.7306
0.0014063	-19.0833
0.0014375	-20.4227
0.0014688	-21.7486
0.0015	0.038342
0.0015313	1.1019
0.0015625	2.19856
0.0015938	3.2753
0.001625	4.3121
0.0016563	5.3919
0.0016875	6.4559
0.0017188	7.4937
0.00175	8.5037
0.0017813	9.4864
0.0018125	10.4433
0.0018438	11.3743
0.001875	12.279
0.0019063	13.1576
0.0019375	14.0093
0.0019688	14.8337
0.002	-0.32072

#freq	actual			relative		
	value	dB	phase	value	dB	phase
0.	1.3895	2.86	-90.000	0.21504	-13.35	87.101
1.K	6.4615	16.21	-177.101	1.	0.00	0.000
2.K	1.0491	0.42	99.734	0.16237	-15.79	-83.166
3.K	0.080031	-21.93	-173.207	0.012306	-39.14	3.894
4.K	0.14661	-16.68	117.528	0.02269	-32.88	-65.371
5.K	0.097664	-20.21	19.689	0.015115	-36.41	-163.210
6.K	0.098306	-20.15	-79.262	0.015214	-36.36	97.838
7.K	0.085503	-21.36	-153.184	0.013233	-37.57	23.917
8.K	0.041459	-27.65	136.772	0.0064163	-43.85	-46.128
9.K	0.011591	-38.72	-19.263	0.0017939	-54.92	157.838

ac 1 1q dec

#Freq	v(3)	v(2)	v(5)
1.	1.	6.2571	6.2571
10.	1.	60.793	60.793
100.	1.	247.92	247.92
1.K	1.	269.92	269.92
10.K	1.	270.16	270.16
100.K	1.	270.07	270.07
1.Meg	1.	261.09	261.09
10.Meg	1.	95.087	95.087
100.Meg	1.	10.2	10.2

pr	ac	vdb 3	vdb 2	vdb 5
1.G	1.	1.4254	1.4254	
1.				
10.				
100.				
1.K				
10.K				
100.K				
1.Meg				
10.Meg				
100.Meg				
1.G				

#Freq	vdb(3)	vdb(2)	vdb(5)
1.	-899.02p	15.928	15.928
10.	-1.4811n	35.677	35.677
100.	-10.677n	47.886	47.886
1.K	-12.49n	48.625	48.625
10.K	-12.529n	48.633	48.633
100.K	-14.293n	48.63	48.63
1.Meg	-178.93n	48.336	48.336
10.Meg	-2.2196u	39.562	39.562
100.Meg	-2.5281u	20.172	20.172
1.G	-2.5317u	3.0789	3.0789