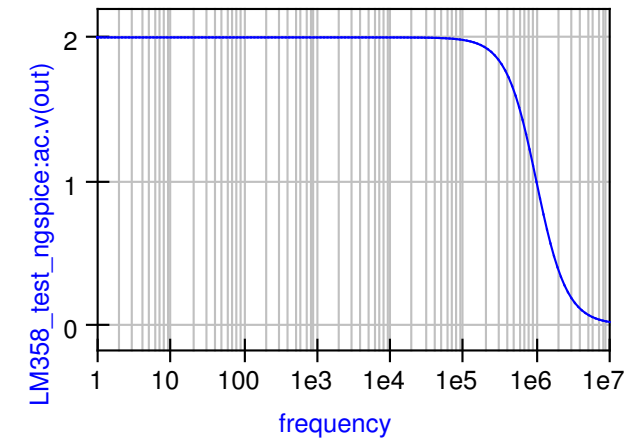
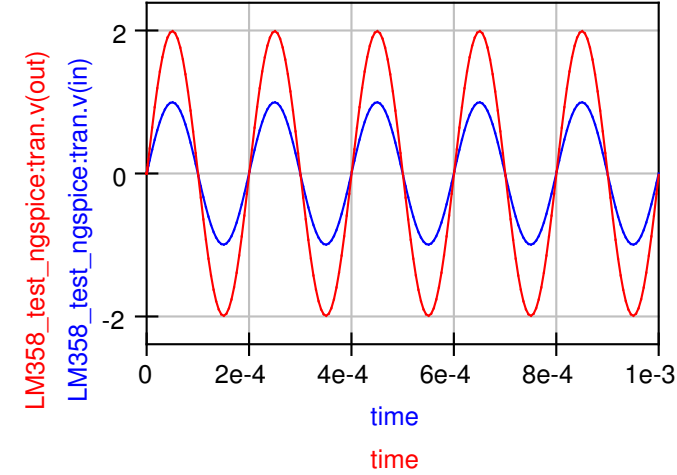
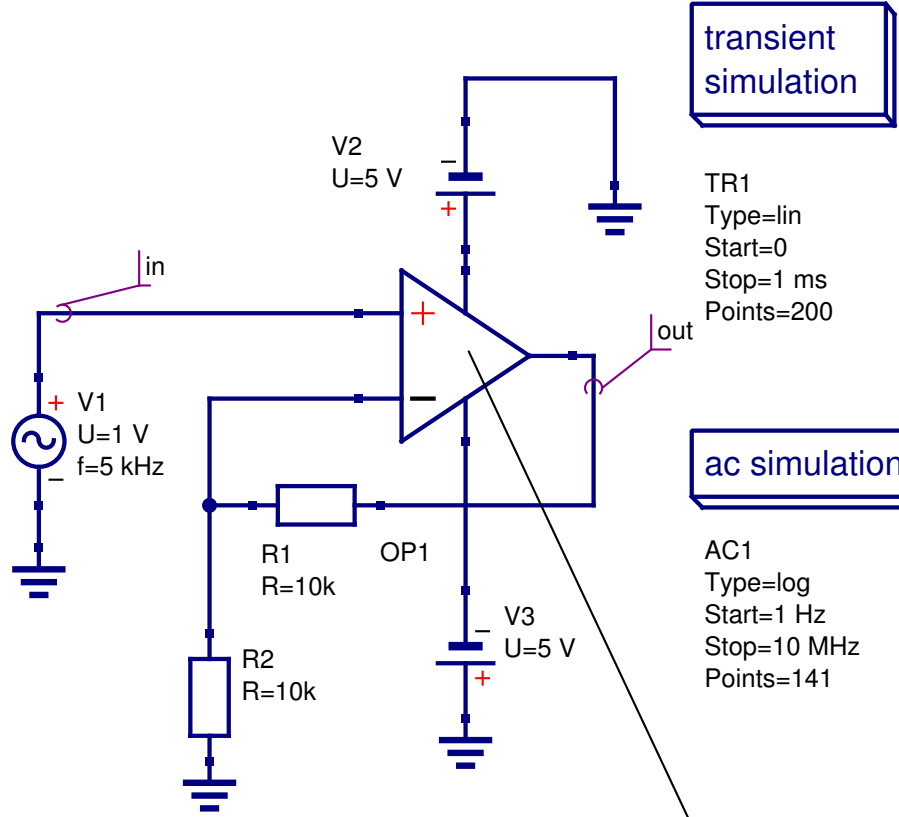


LM358 XSPICE macromodel



```
.SUBCKT LM358      1 2 3 4 5
*
C1      11 12 5.544E-12
C2       6  7 20.00E-12
DC       5 53 DX
DE      54  5 DX
DLP     90 91 DX
DLN     92 90 DX
DP       4  3 DX
EGND    99  0 POLY(2) (3,0) (4,0) 0 .5 .5
FB       7 99 POLY(5) VB VC VE VLP VLN 0 15.91E6
+ -20E6 20E6 20E6 -20E6
GA       6  0 11 12 125.7E-6
GCM      0  6 10 99 7.067E-9
IEE      3 10 DC 10.04E-6
HLIM    90  0 VLIM 1K
Q1      11  2 13 QX
Q2      12  1 14 QX
R2       6  9 100.0E3
RC1      4 11 7.957E3
RC2      4 12 7.957E3
RE1     13 10 2.773E3
RE2     14 10 2.773E3
REE     10 99 19.92E6
R01      8  5 50
R02      7 99 50
RP       3  4 30.31E3
VB       9  0 DC 0
VC      3 53 DC 2.100
VE      54  4 DC .6
VLIM     7  8 DC 0
VLP     91  0 DC 40
VLN      0 92 DC 40
.MODEL  DX  D(IS=800.0E-18)
.MODEL  QX  PNP(IS=800.0E-18 BF=250)
.ENDS
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