

NGSPICE

```
.temp 27
.control
option sparse
save all
op
write measurement_amplifier.raw
set appendwrite
ac dec 101 1k 1G
let vout_db=20*log(mag(vout))
write measurement_amplifier.raw
.endc
```



v_{out} (dB)



→ simulate

→ annotate OP

→ load waves

MODEL

```
.lib cornerMOSlv.lib mos_tt
```



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measurement_amplifier.sch

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