

NGSPICE

```
.temp 27
.control
save all
op
ac dec 101 30k 30G
let tv=-v(vr)/v(vf)
let ti=-i(vir)/i(vif)
let t=(tv*ti - 1)/(tv + ti + 2)
plot db(t)
plot 180/pi*ph(t)
write mosfet_diode_loopgain.raw
.endc
```



→ simulate

→ annotate OP

MODEL

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

XSCHEM

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/foss/designs/xschem/mosfet_diode_loopgain.sch