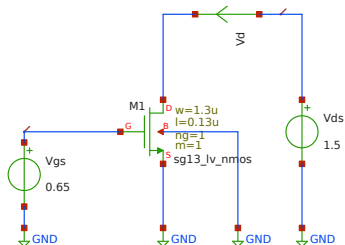


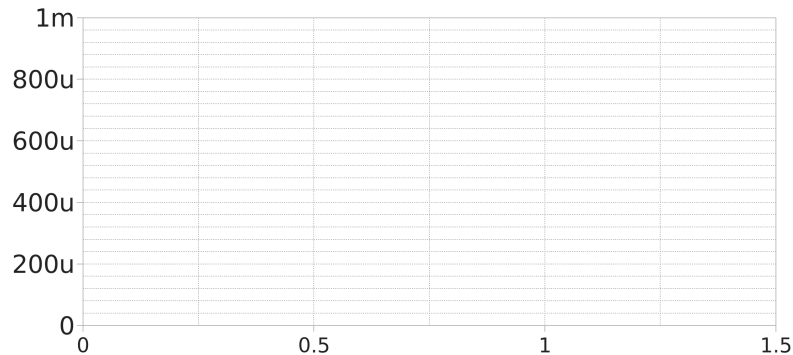
NGSPICE

```
.temp 27
.control
save all
save @n.xml1.nsg13_lv_nmos[gm]
save @n.xml1.nsg13_lv_nmos[gds]
save @n.xml1.nsg13_lv_nmos[vth]
save @n.xml1.nsg13_lv_nmos[cgg]
save @n.xml1.nsg13_lv_nmos[cgd]
save @n.xml1.nsg13_lv_nmos[vdss]
save @n.xml1.nsg13_lv_nmos[fug]
save @n.xml1.nsg13_lv_nmos[rg]
save @n.xml1.nsg13_lv_nmos[sid]
op
write dc_lv_nmos.raw
set appendwrite
dc Vds 0 1.5 0.01 Vgs 0 1.5 0.1
write dc_lv_nmos.raw
quit
.endc
```

```
gm=
?
gds=
?
vth=
?
vdss(vds_sat)=
?
cgs=
?
fug(f_t)=
?
cdg=
?
rg=
?
sid=
?
```



i(vd)



- ➡ simulate
- ➡ load waves
- ➡ annotate OP

MODEL

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

