Exp 4

VDS

1.8

M1
PMOS

C1
vout
50

M2
NMOS

VGS

1.8

.dc VGS 0 1.8 0.01

.model NMOS NMOS
+Level = 49

+Lint = 1.5e-08 Tox = 2.5
+Vth0 = 0.2607 Rdsw = 1

M2
PMOS

Vout

Vdd

1.8V

M1
NMOS

Vgs

PULSE(0 1.8 0.01 2 2 2)

.tran 8

.model NMOS NMOS
+Level = 49

+Lint = 1.5e-08 Tox = 2.5e-09
+Vth0 = 0.2607 Rdsw = 180

+lmin=1.0e-7 lmax=1.0e-7 wmi
+Tref=27.0 version =3.1

Id(M1)

-3.315508V,-221.62463µA

-4.4451872V,-246.92159µ