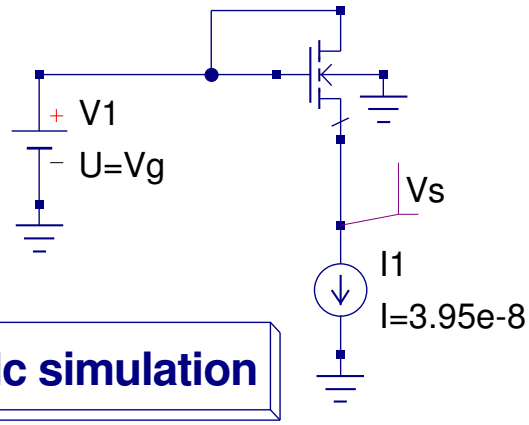
EKV26nMOS1
LEVEL=1
L=10e-6
W=10e-6
Cox=3.45e-3
Vto=0.6
Gamma=0.71
Phi=0.97
Kp=50e-6



dc simulation

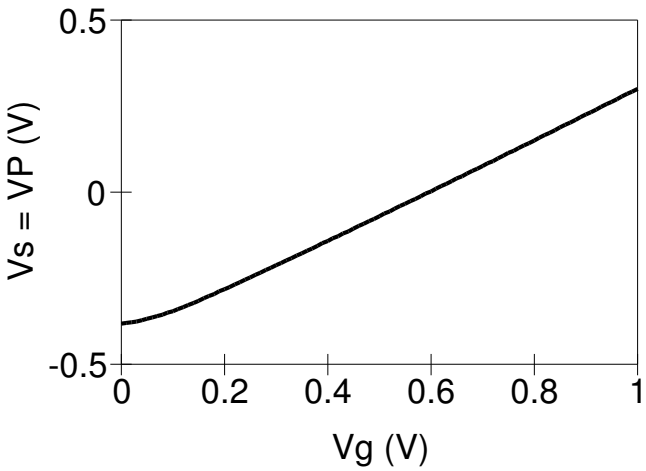
DC1

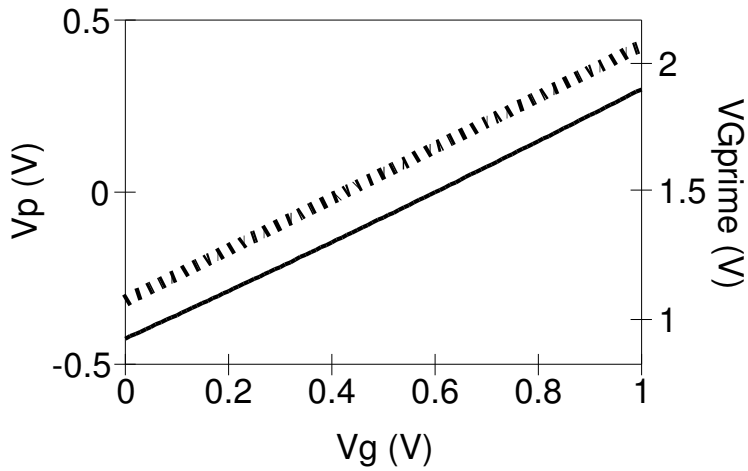
Parameter sweep

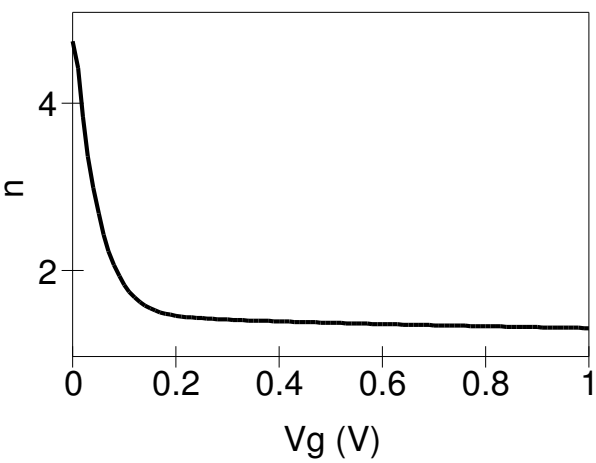
SW1
Sim=DC1
Type=lin
Param=Vg
Start=0
Stop=1
Points=101

Equation

Eqn1
VGprime=Vg-Vto+Phi+Gamma*sqrt(Phi)
Gamma=0.71
Vto=0.6
Phi=0.97
Vp=VGprime-Phi-Gamma*(sqrt(VGprime+(Gamma/2)*(Gamma/2)) -Gamma/2)
n=diff(Vg, Vs.V)







Vg	n	Vs.V	Vp	VGprime
0.57	1.37297	-0.0187	-0.022	1.64
0.58	1.37151	-0.0114	-0.0147	1.65
0.59	1.37006	-0.00408	-0.00735	1.66
0.6	1.36862	0.00322	-1.11e-16	1.67
0.61	1.3672	0.0105	0.00735	1.68
0.62	1.3658	0.0179	0.0147	1.69