

dc simulation

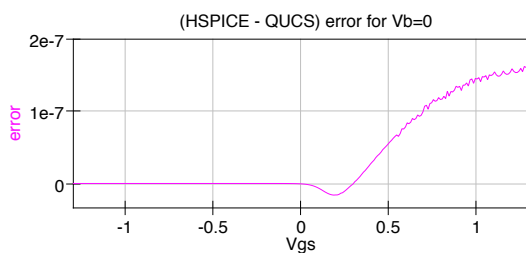
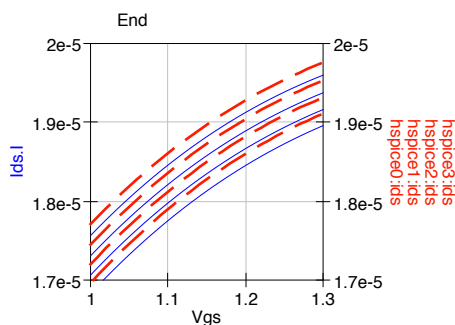
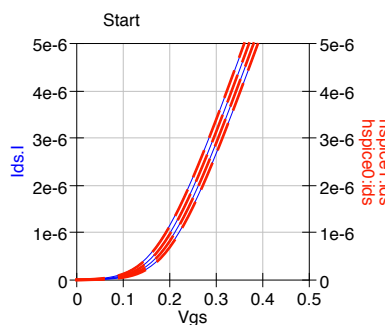
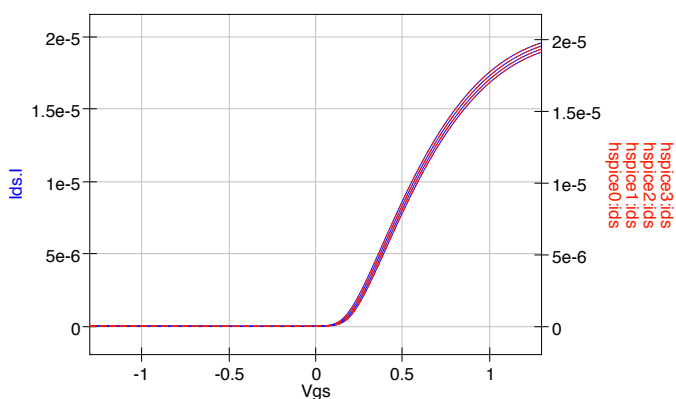
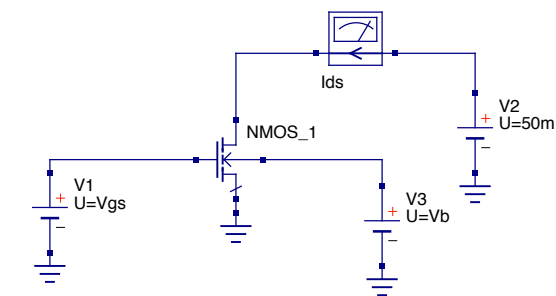
DC1

Parameter sweep

SW1
Sim=DC1
Type=lin
Param=Vgs
Start=-1.3
Stop=1.3
Points=261

Parameter sweep

SW2
Sim=SW1
Type=lin
Param=Vb
Start=0.3
Stop=0
Points=4



Equation

Eqn1
h3ids=data
q3ids=Ids.I[3]

Equation

Eqn2
error=(h3ids-q3)
q3=real(q3ids)

Error plot Notes:
- HSPICE data loaded manually in Eqn1, into the 'data' vector
- the 'data' vector is set to hidden, to make the schematic look nicer.
- the 'error' equation does not accept the 'q3ids' directly.
- using 'q3' as a temporary seems to work here.

BSIM 6.1.0 benchmark: idvg_nmos
Adapted from benchmark released by the BSIM Group.
It compares data from HSPICE and QUCS.

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Date: July 2015

Revision: 1