

SF Joen are voltage-out amplifiers.

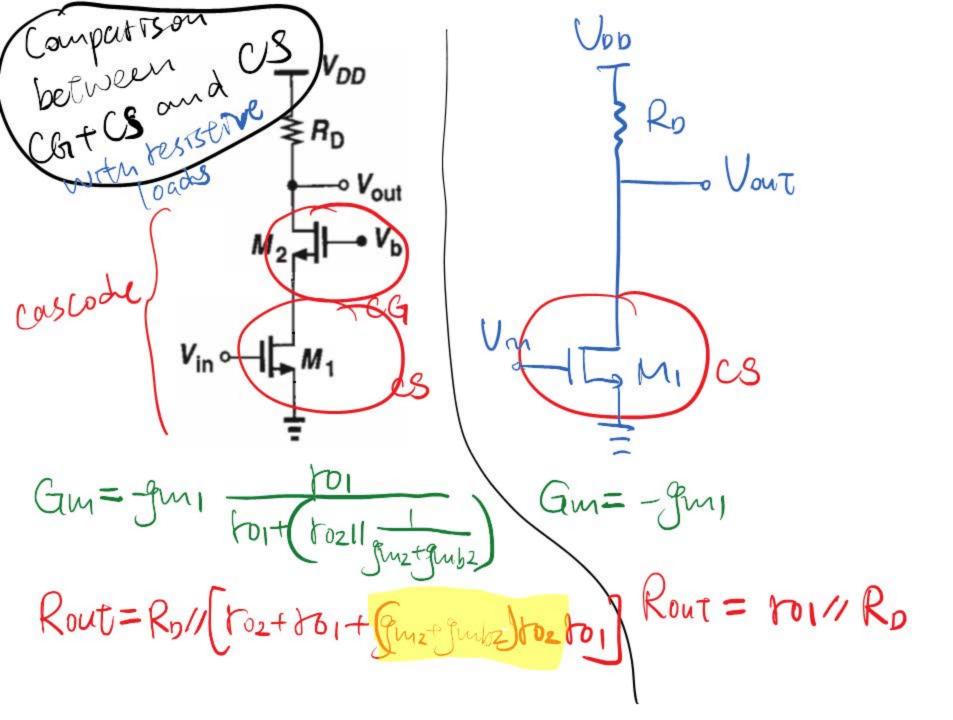
Common-Gate (CG)

Current-m-voltage-out

Assume Mound M2 mSa7. Assume 77 =0, 8 =0

Gun = Dout Jon DI = Dout DI=(-gmi Dm) toit Ri

mtrinsre Rout = RD// 802+801 + (Pruz+ Prub2) 202801



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Dout = - gry Um

Compatison Cht Cs and US Source Towas Va source (oad Assume all msat. * Assume カキロ, ドキロ Va, b, e, d are DC R1=103+104+ Justgub3) 803 104 FUTTIMISTE gam

Compatison Chtcs and with when? gource (oad Assume all msat. * Dssume カキロ, ドキロ Va, b, e, d are DC am= -9m1 Rout = 1011/1 +04

htcs and Assume all msat. * Assume カキロ, 下生の Va, b, e, d are DC Rout = (ro3+ ro4+ (9m3+9mb3) 203 204]/ (102+ 101+ (m2+9mb2) 202 101]

Equivalent Small Signal circuit for cascoche with cas code custent source. Rout Voul Source follower as buffer Small