Current series feedback (Input Resistance) y Q Si ZRi Dig Roser For current series N= 12-18 or 12 = 1; +18 1 = 5:8: +4 = 5:8: + BIO -0 of loop to is of when at load resister Using current-dividing N/W at- 0/P So = GmV; RO =) So = GmRo

Ro+R

Vi

Ro+R

J Substitute in (1) Vs = Siki + BGMV; =) Siki + BGMS. Ri V5= 5, R; (1+BGm) Vs = R; (1+ BGm) 4 = P; (1+ BGm)

