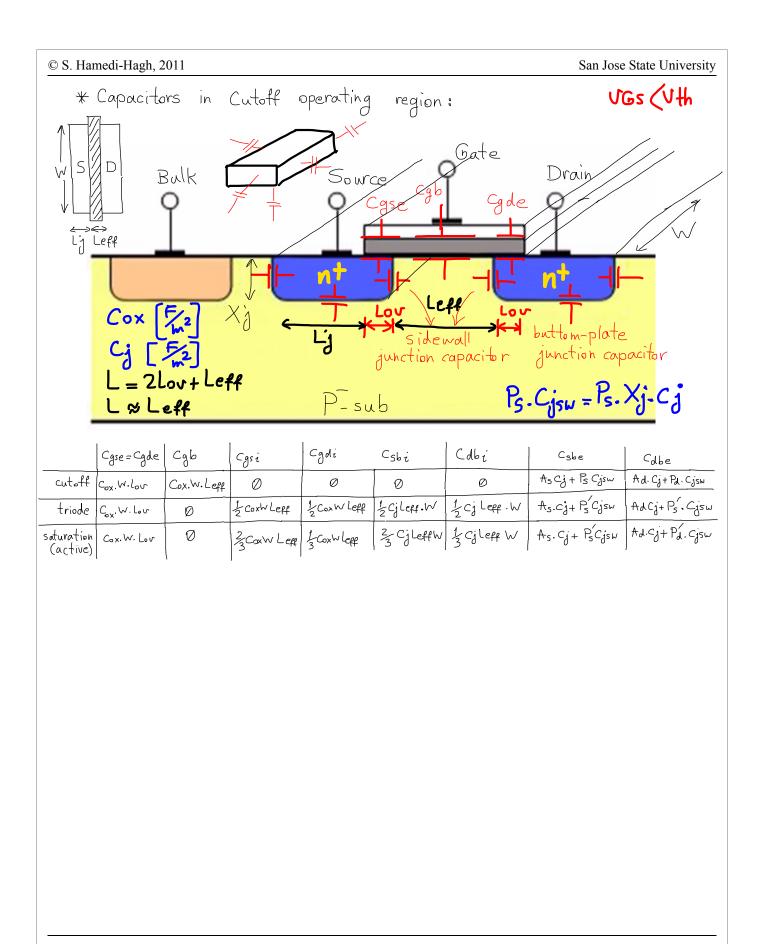
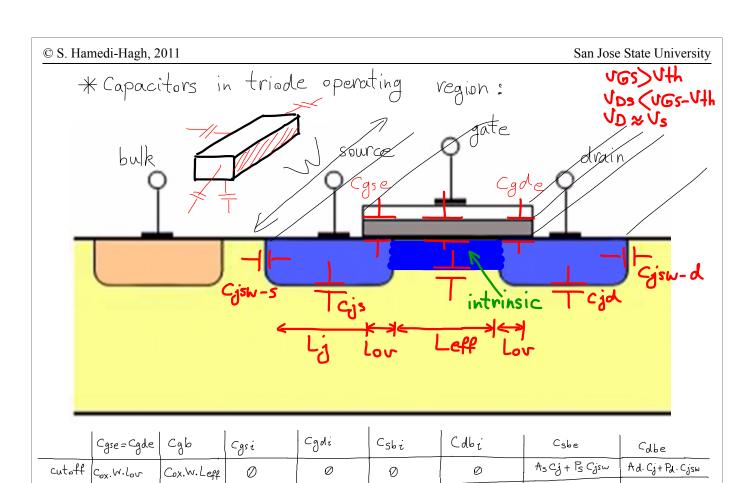


$$Cgsi = \frac{2}{3}Cox Leff.W$$

$$Cgoli = \frac{1}{3}Cox Leff.W$$

$$\begin{cases} Cjsi = \frac{2}{3}Cj. \ Leff.W \\ Cjdi = \frac{1}{3}Cj. \ Leff.W \\ Leff & L \end{cases}$$





12 Cileff.W

1/2 Cox W Leff

1 CoxW Leff

Ø

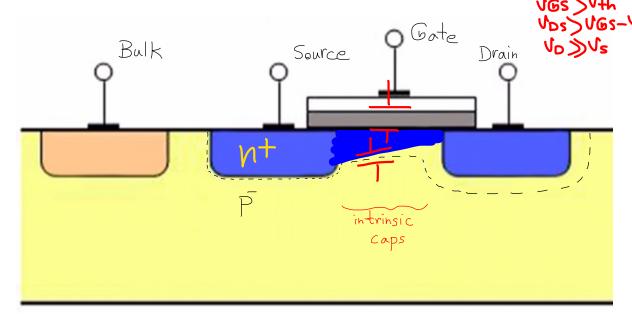
triode Cox. W. Lou

Cox. W. Lou

saturation (active) 12 Cj Leff. W As. Cj+Ps Cjsw

3 Cjleffw 3 Cjleff W As. Cj + PsCjsw Ad. Cj + Pd. Cjsw

\* capacitors in active (saturation) operating points:



	Cgse=Cgde	Cgb	Cgsi	Cgdi	CSbi	Cdbi	Csbe	Cdbe
cutoff	Cox.W.lou	Cox.W. Left	0	0	0	0	As Cj + Ps Cjsw	Ad. Cj + Pd. Cjsw
triode	Cox. W. Lou	Ø	1/2 coxW Leff	1/2 Cox W Leff	12 Cjleff.W			
saturation (active)	Cox.W.Lor	Ø	3 CoxW Left	13 Coxwlepp	3 Cjleffw	3 Cilepp W	As. Cj + Ps Cjsw	Ad. Cj + Pd. Cjsw