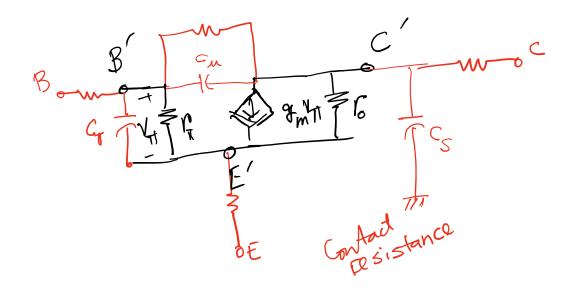
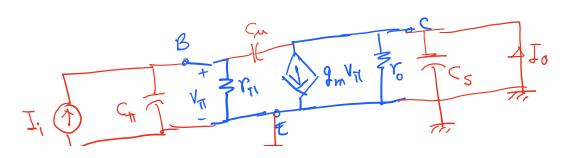
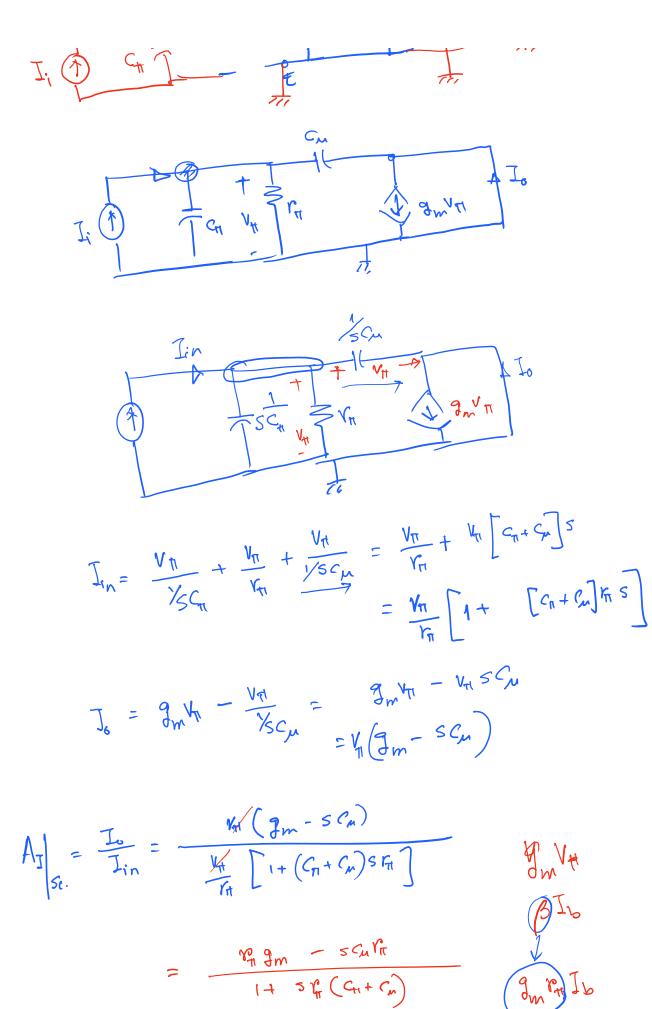
High Frequency Model

Monday, October 10, 2016 8:57 AM







$$\frac{1+3r_{1}(c_{1}+c_{2})}{1+3r_{1}(c_{1}+c_{2})}$$

$$\frac{1+3r_{1}(c_{1}+c_{2})}{1+3r_{1}(c_{1}+c_{2})}$$

$$\frac{S}{S} = 1$$

$$\frac{S}{10} = 10$$

$$\frac{S}{1+5r_{1}(c_{1}+c_{2})}$$

$$\frac{S}{S} = 10$$

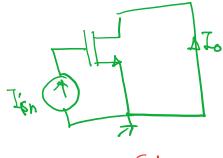
$$\frac{S}{S} =$$

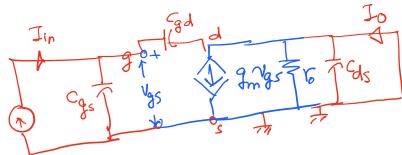
$$|A_{I}|=1=\frac{\beta}{\omega_{I} \sim}$$

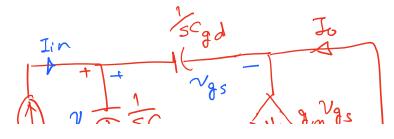
$$\frac{\beta}{1} = \frac{\beta}{2\pi r_n} = \frac{\beta}{2\pi r_n} \left[\frac{\beta}{\alpha + \alpha} \right]$$

$$\int_{T} = \beta \int_{B} = \frac{\beta}{\alpha in \times \beta and with}$$

MOSFET









$$I_{in} = v_{gs} s \left(c_{gs} + c_{gd} \right)$$

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$$I_{o} = g_{m} v_{gs} - v_{gs} s c_{gd} = v_{gs} \left(g_{in} s c_{gd} \right)$$

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$$1 = \frac{gm}{\omega_{+} (g_s + c_g d)} : \omega_{+} = \frac{gm}{c_g s + c_g d}$$