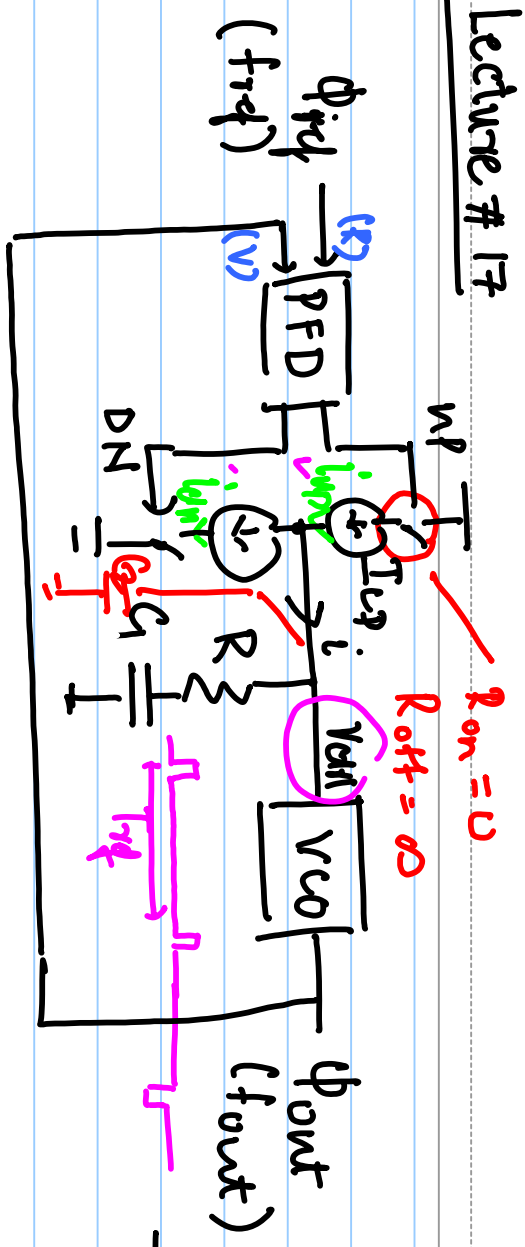
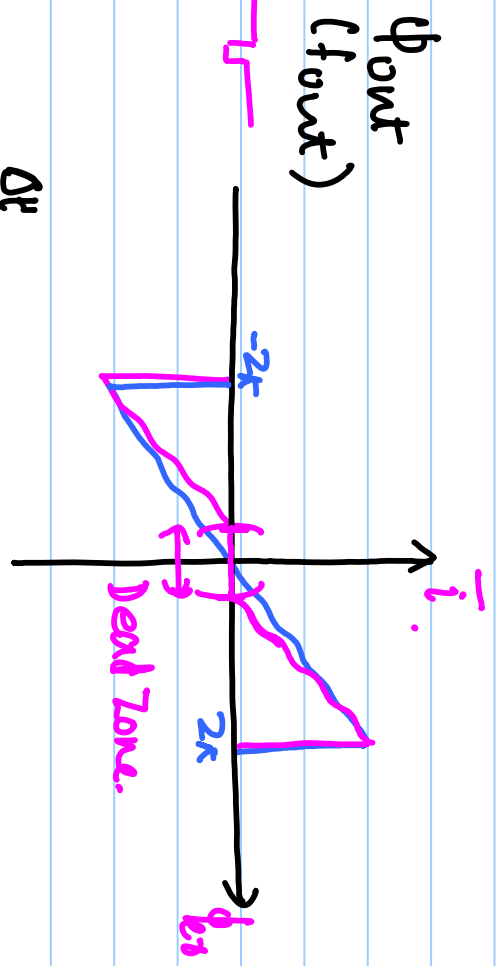
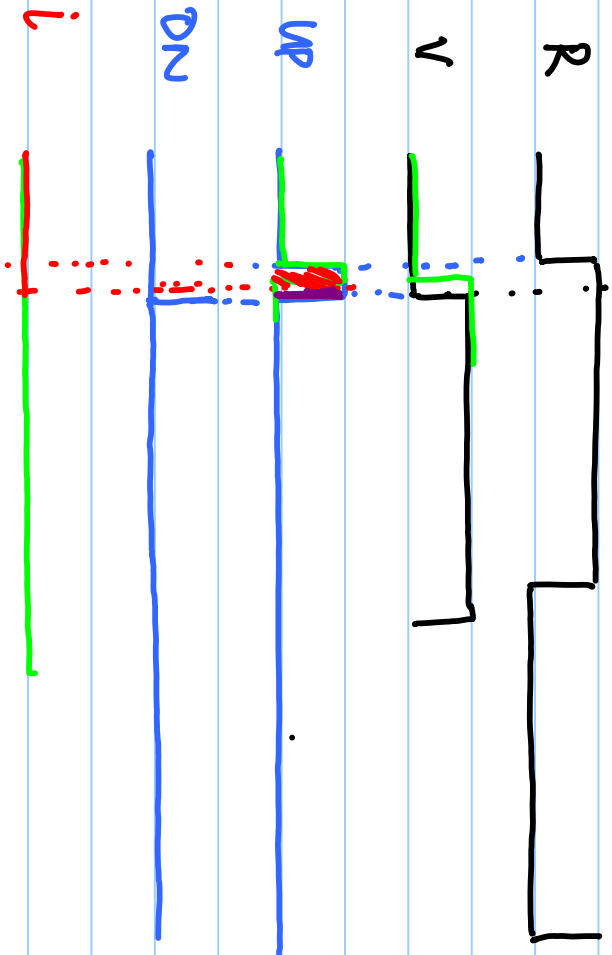
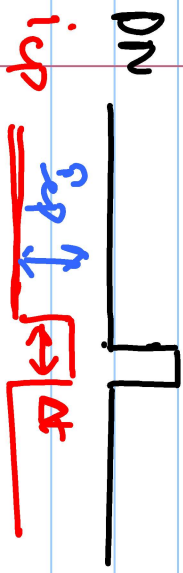
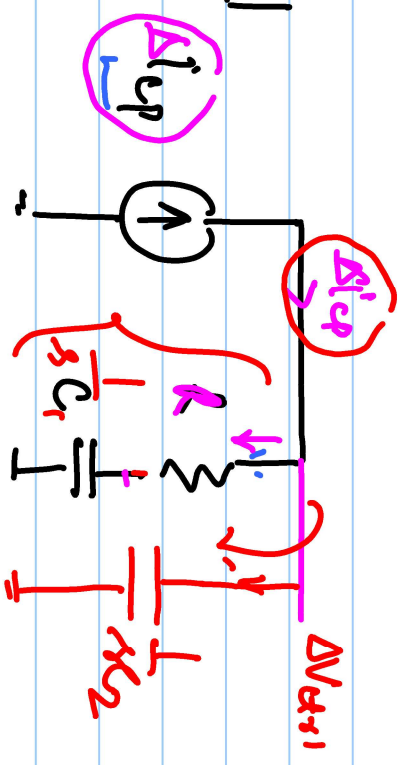
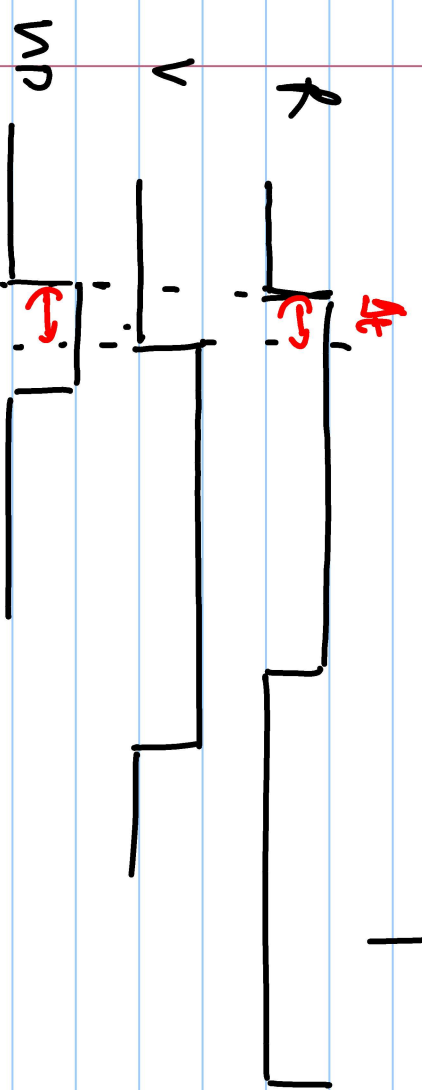
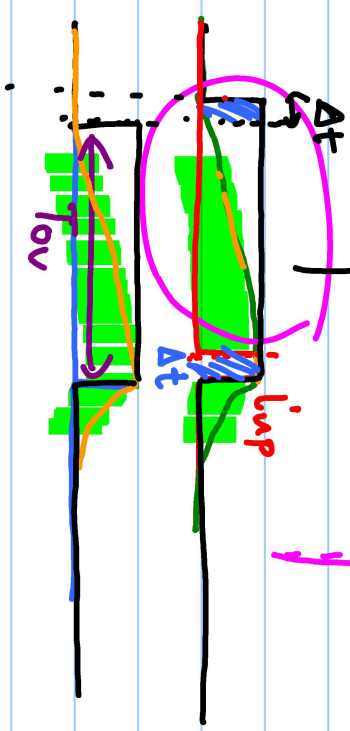
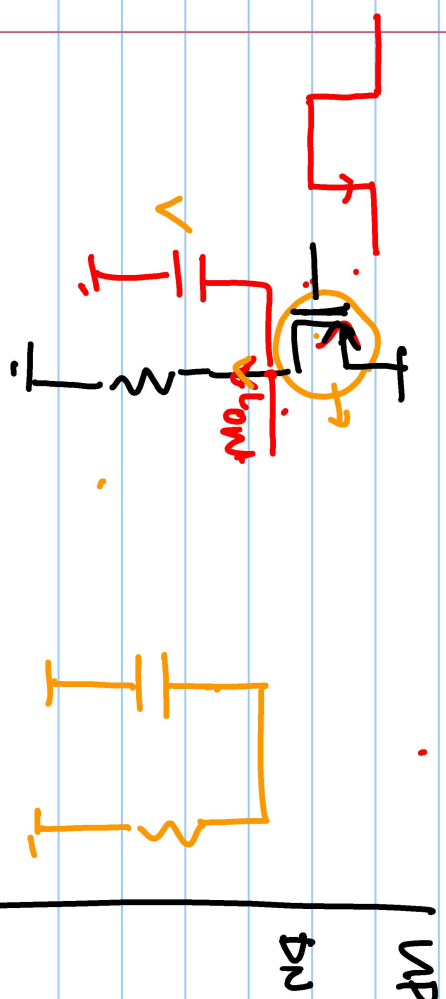
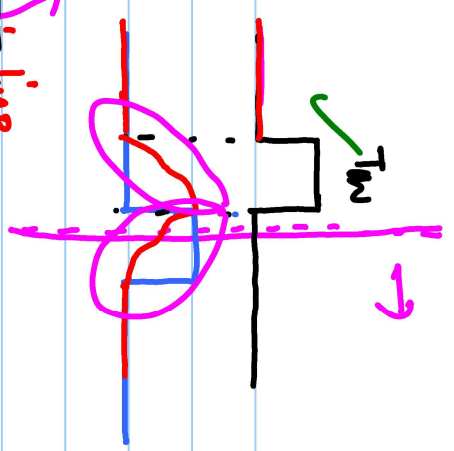
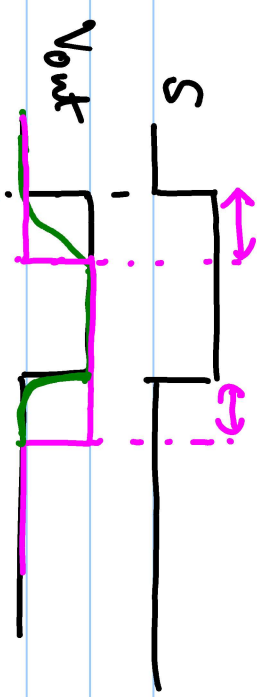
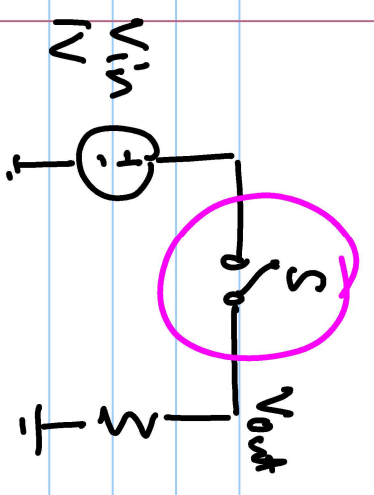


Lecture # 17



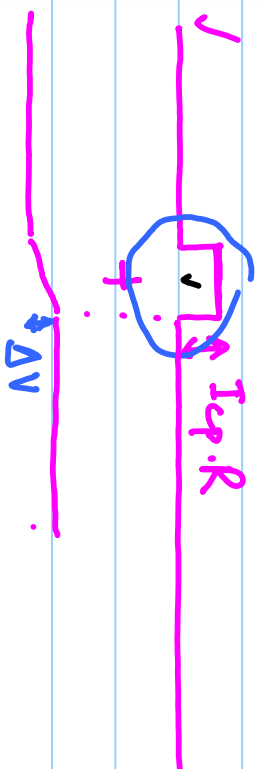
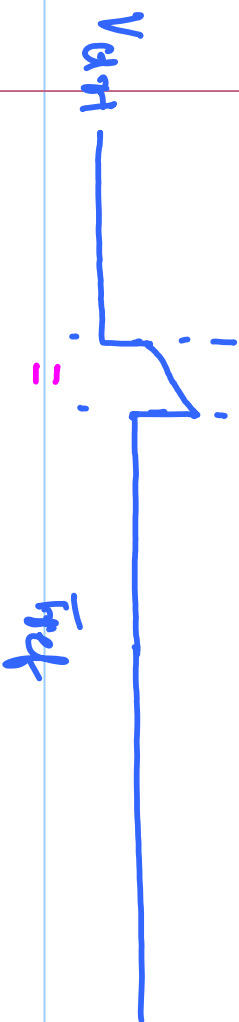
$R_{on} = U$
 $R_{off} = \infty$





$$\left| \frac{1}{j\omega R C_2} \right| \ll \left| R + \frac{1}{j\omega C_1} \right|$$

$$\omega R C_2 \gg \left| \frac{\omega R C_1}{1 + j\omega R C_1} \right|$$



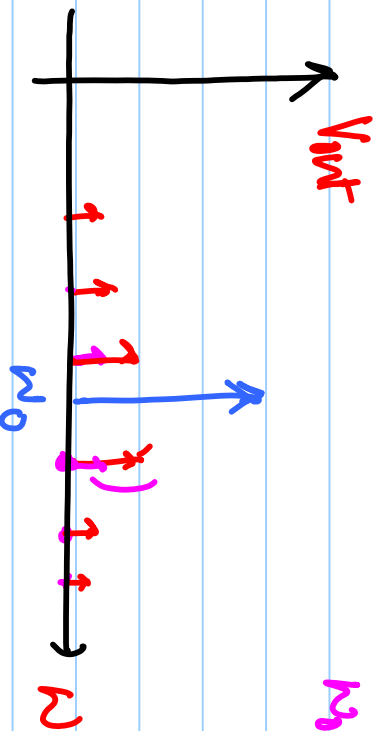
$$\Delta V_{GH1} = \sum a_n \cos(n\omega_0 t) + b_n \sin(n\omega_0 t)$$

$$\Delta V_{GH0} = 2K_{V_{GH0}} \Delta V_{GH1}$$

$$V_{out} = \sin(\omega_0 t + 2K \int K_{V_{GH0}} \Delta V_{GH1} \cdot dt)$$

$$\omega_0, \omega_0 \pm n\omega_0$$

Ref. spurs.



$$\Delta V_{GH11} = I_{cp} \cdot R$$

$$\Delta V_{GH12} = \int_{C_2} I_{cp} \cdot dt$$