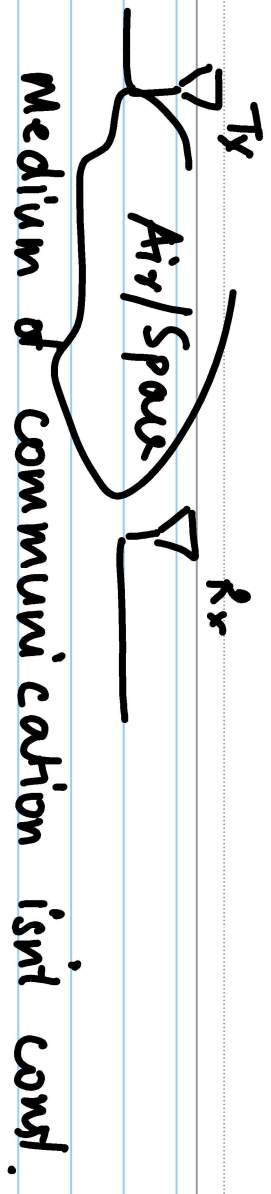
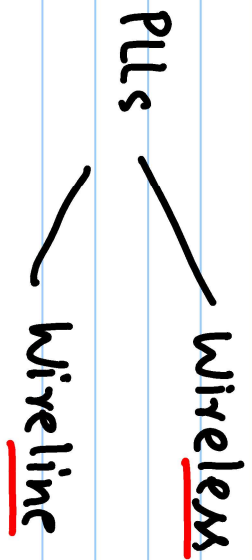
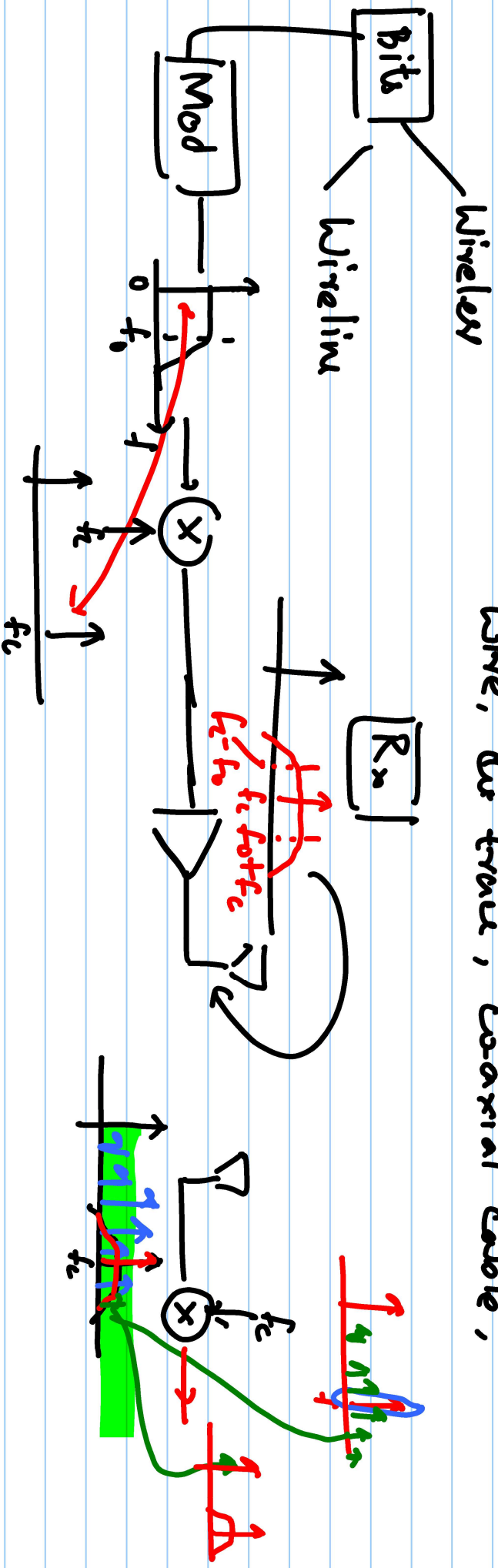
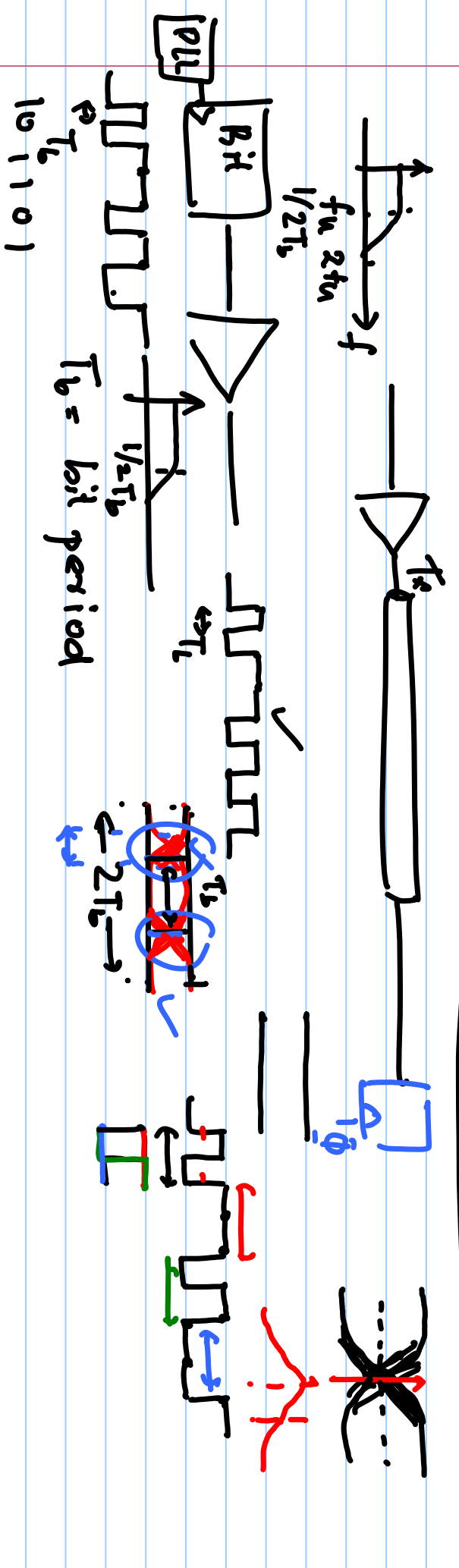
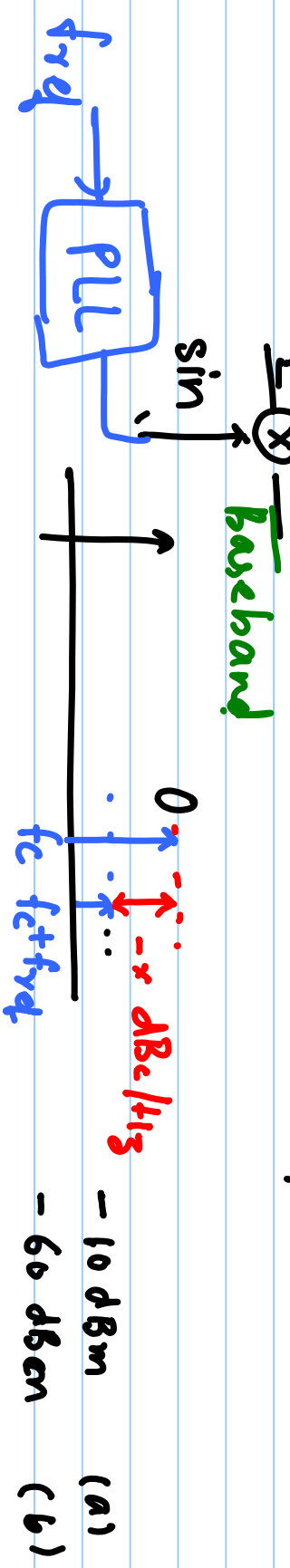
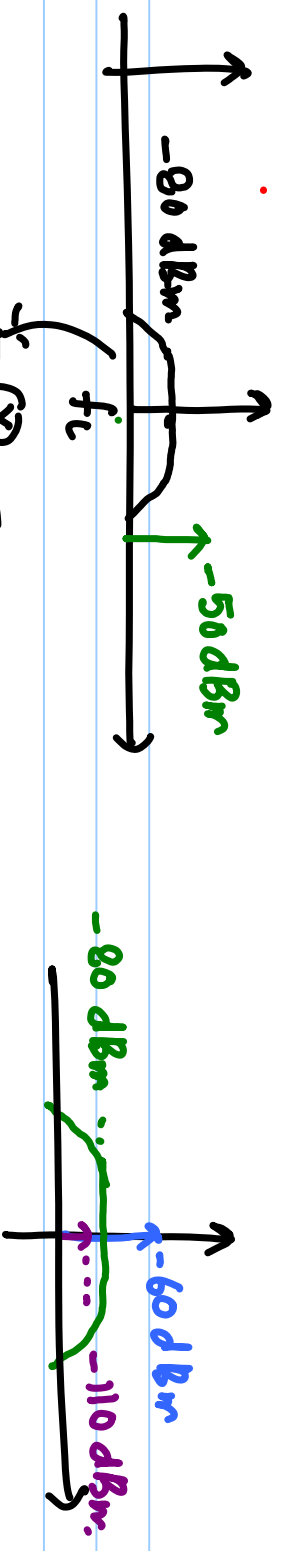


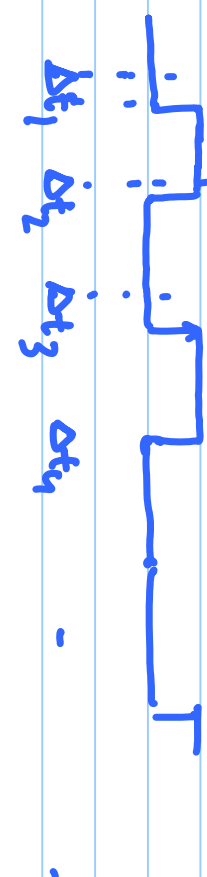
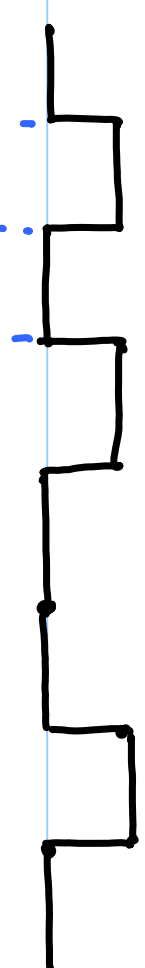
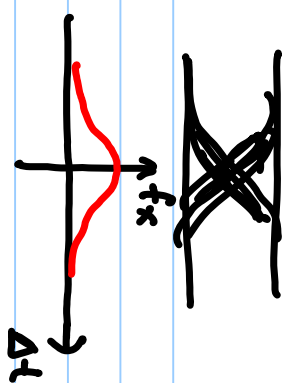
Lecture # 27



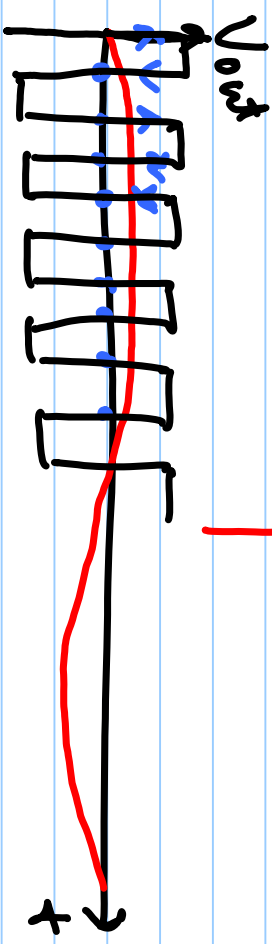
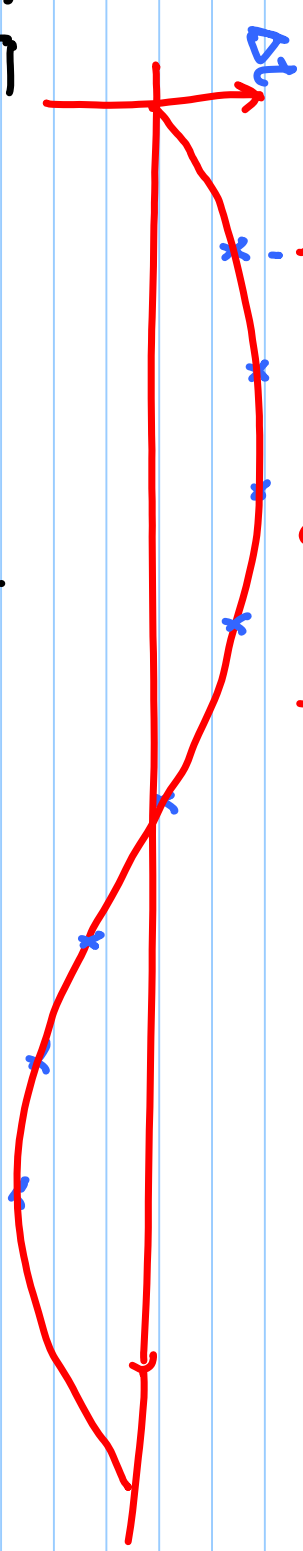
of drive
 Medium of comm. **fixed**
 wire, fiber, coaxial cable,





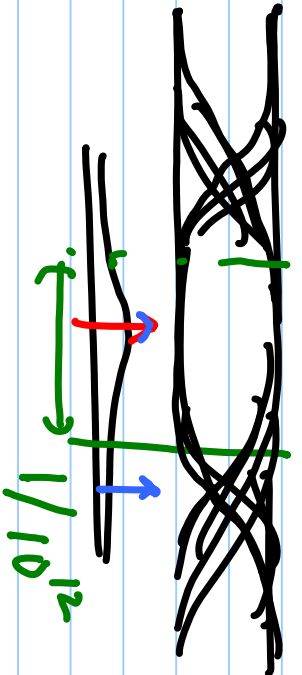


$\Delta t_1 \quad \Delta t_2 \quad \Delta t_3 \quad \Delta t_4$

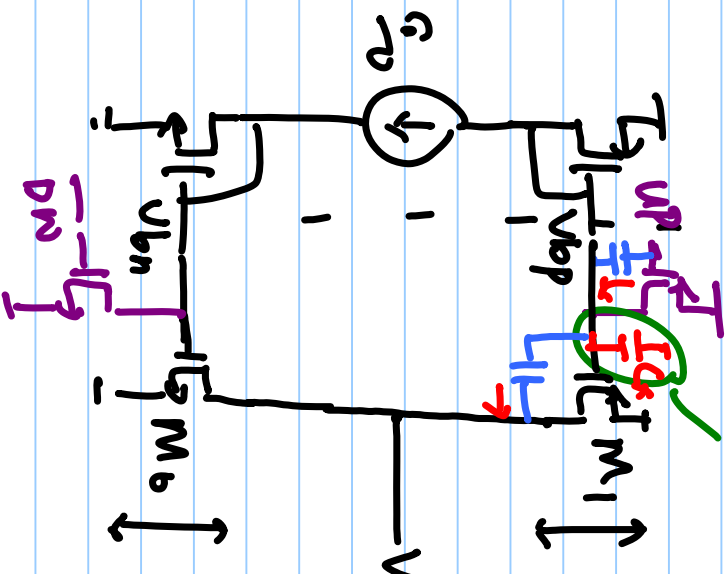
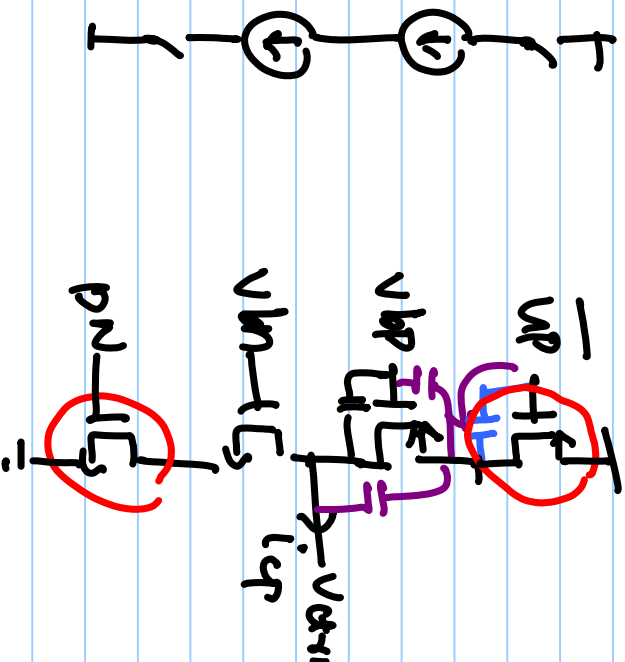


$$V_{out} = A_m \sin(\omega_m t)$$

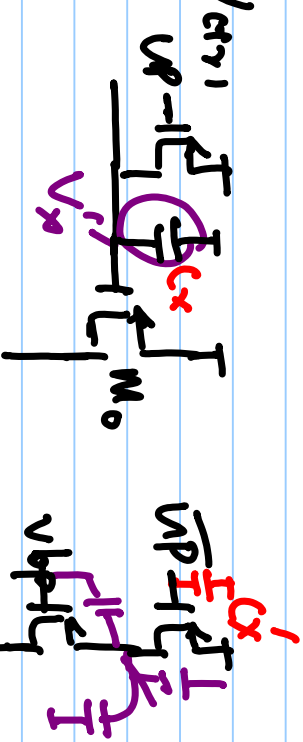
1×10^{12} 2×10^{12} 3×10^{12}



Charge-pump



* Zero headroom req. for switches



$$C_x > C'_x$$

$$V_x = V_{gp} - |V_{sp}|$$

$$V_{x0} = V_{gp} - |V_{sp}|$$

