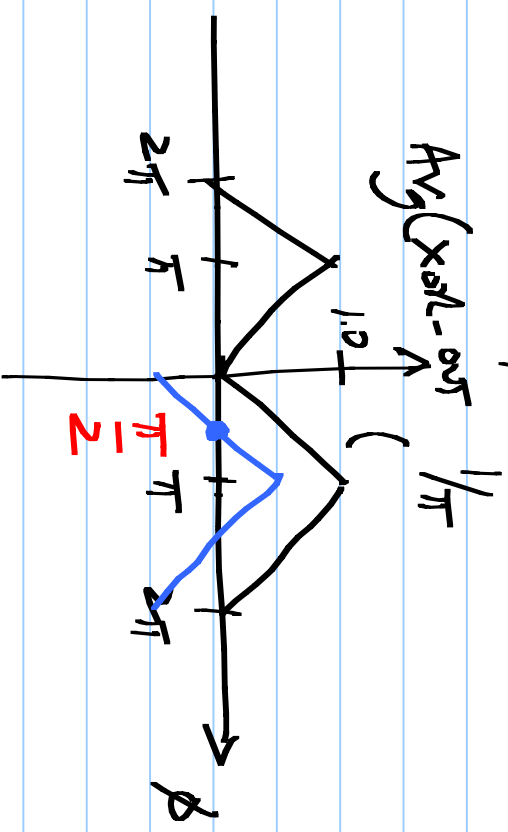
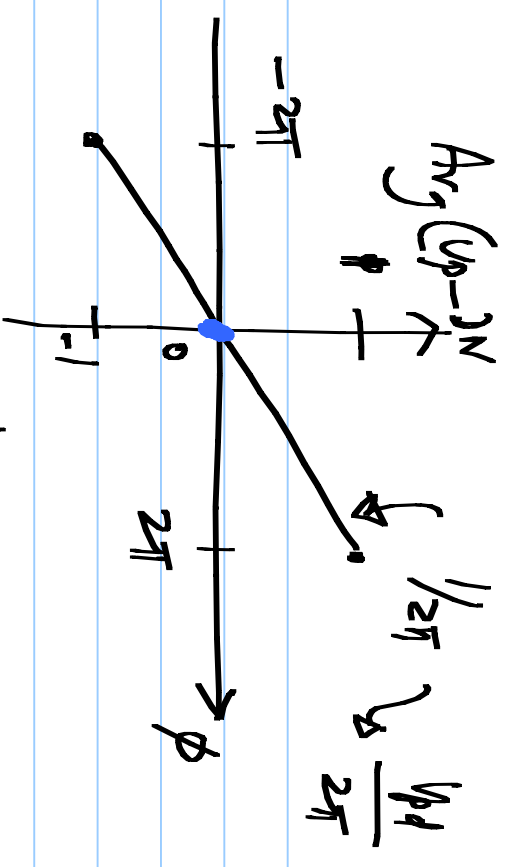
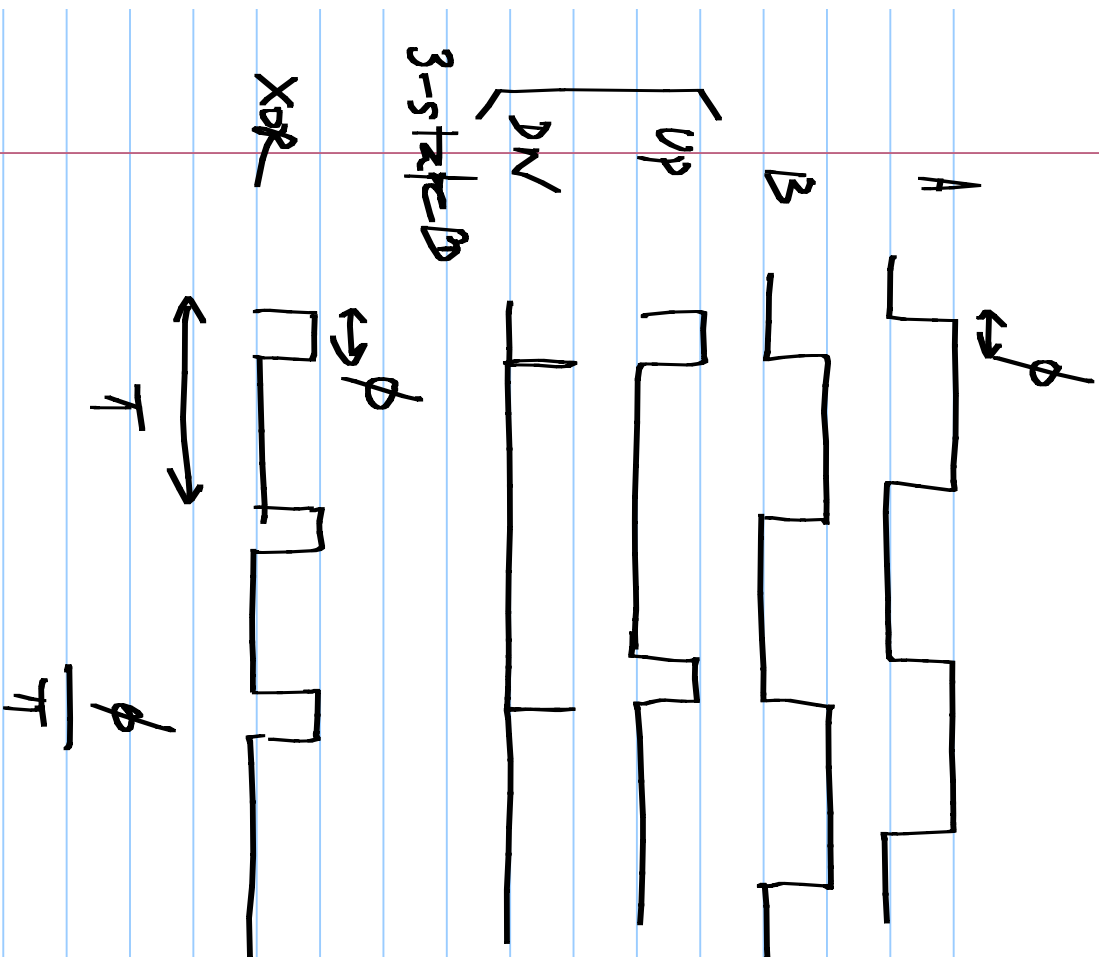
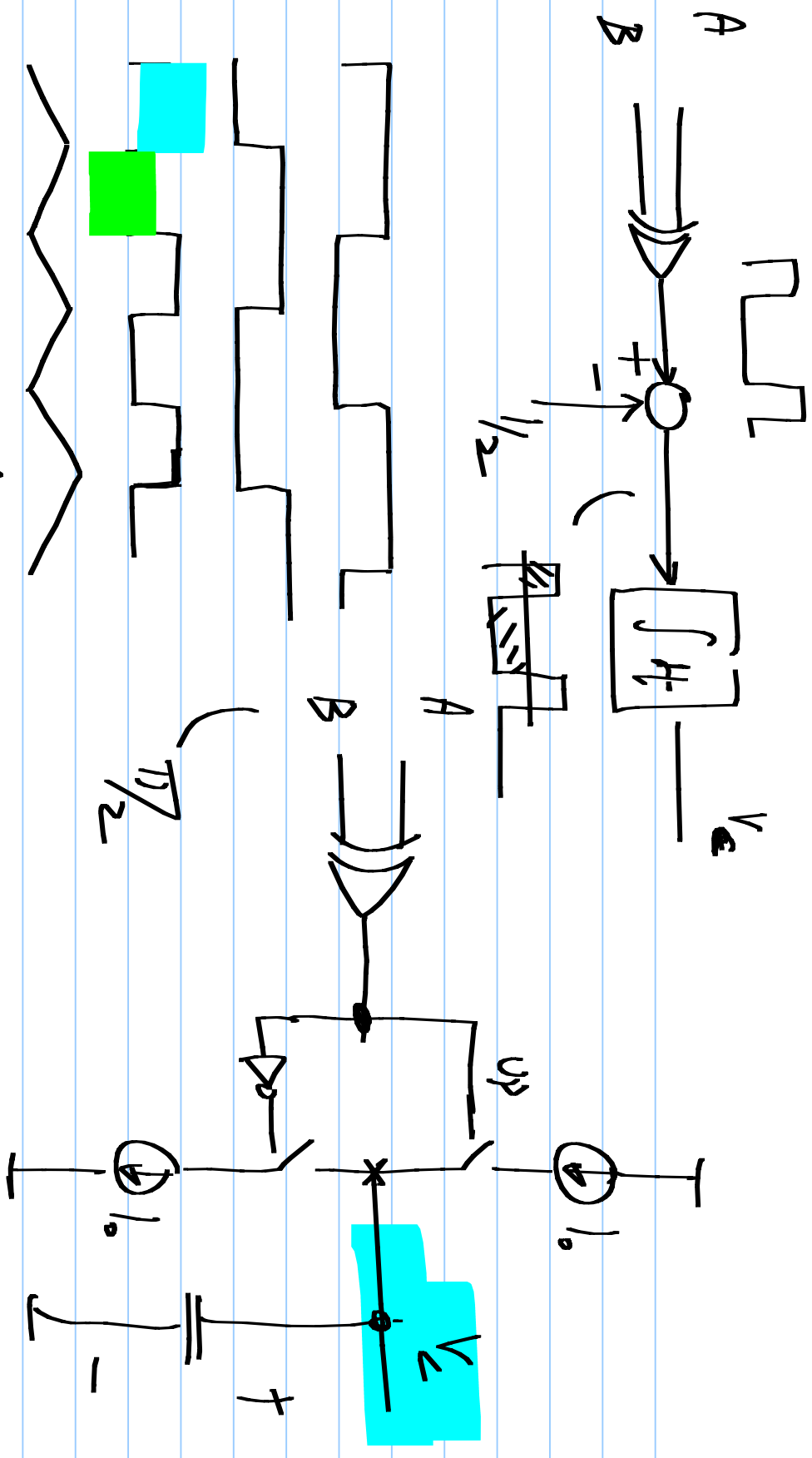
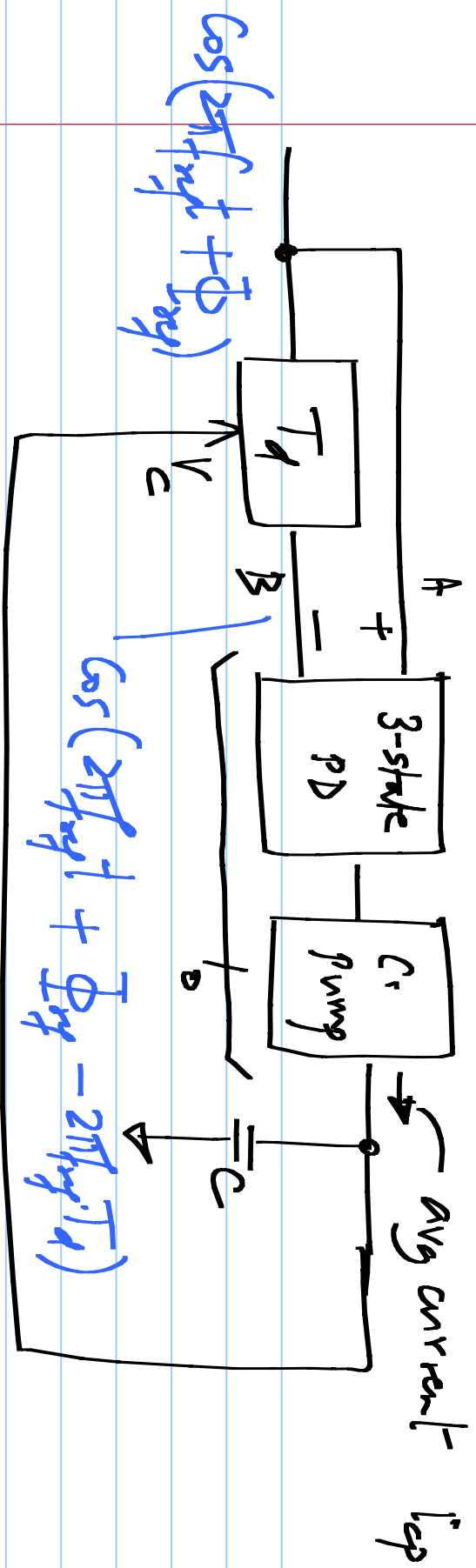








Triangular ripple

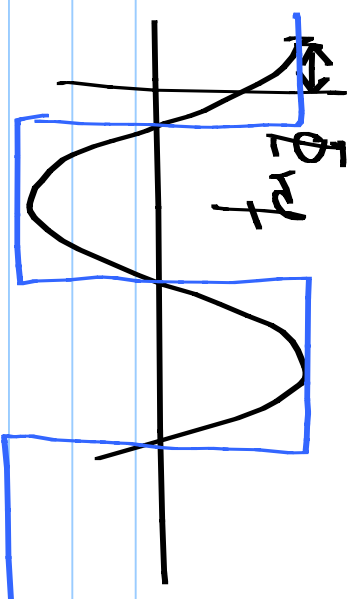


Delay line

$$I_d = I_{d_0} - (V_c - V_{c0}) \cdot K_V$$

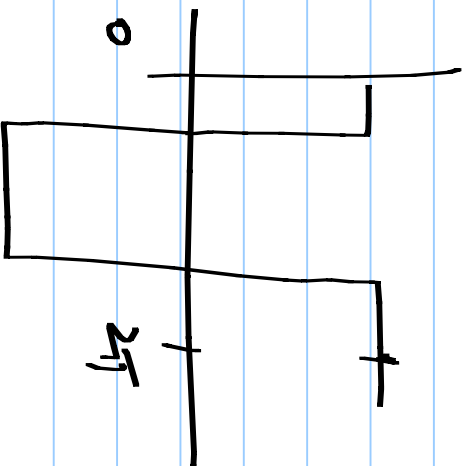
$$I_{cp} = \left[ \frac{(\phi_A - \phi_B)}{2\pi} \right]_0$$

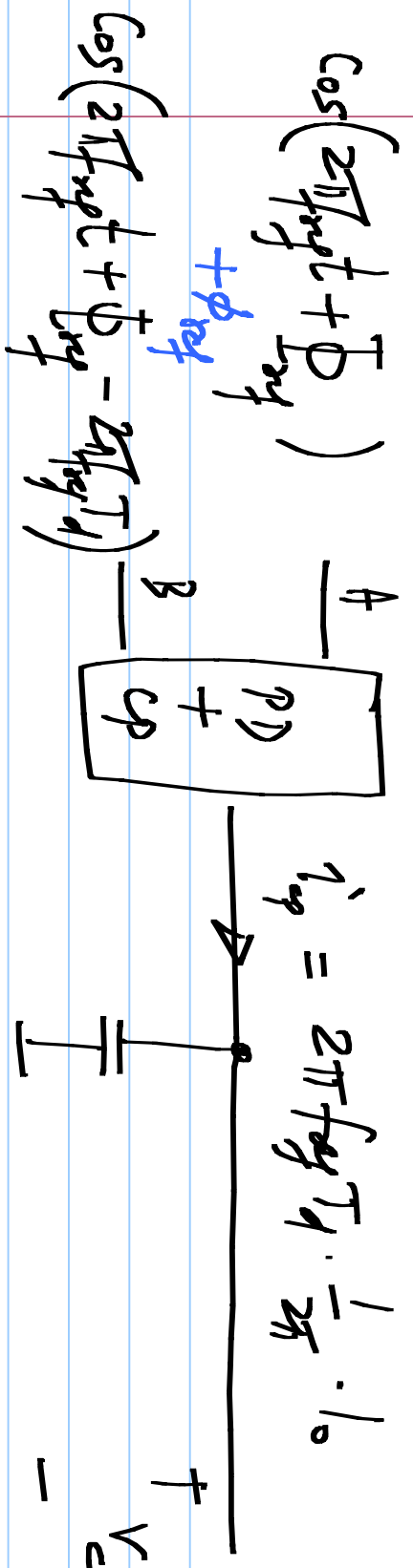
$$\cos(2\pi f_{xy}t + \Phi_{xy})$$



$$p(2\pi f_{xy}t + \Phi_{xy})$$

$$p(\theta)$$

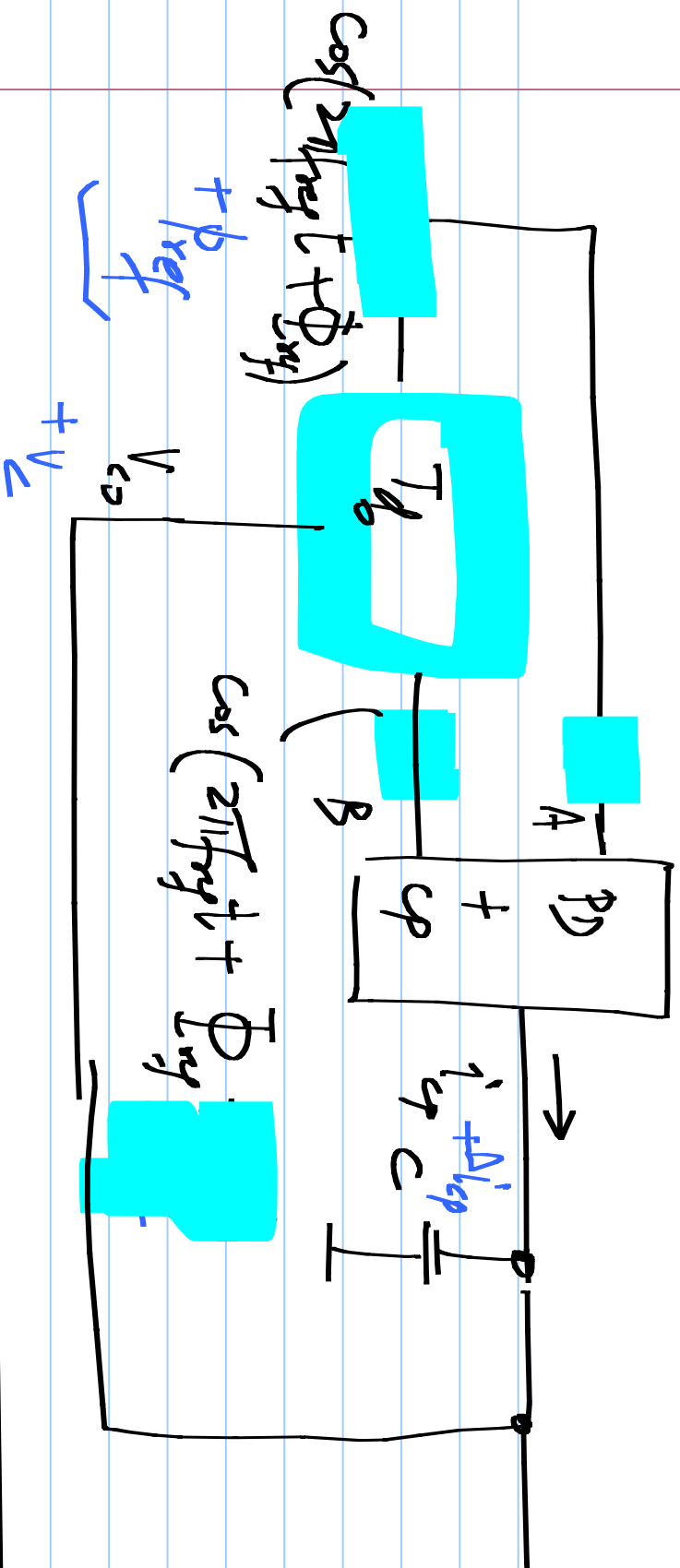




$$T_d = T_{d_0} - (V_c - V_{c0}) \cdot K_{TC}$$

$V_c$  adjusts itself  
such that

$$2\pi f_{ref} T_d = 2\pi$$



$\phi_{ref}, v_c, \phi_{out}, \Delta i_{cp}$

$i_o, K_v$

