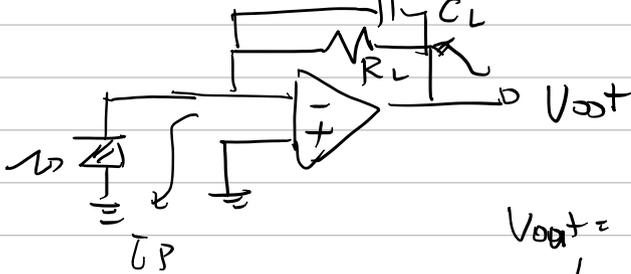


# 포토 다이오드 PV 모드 PC 모드.

## 1. photo Volt mode 모드

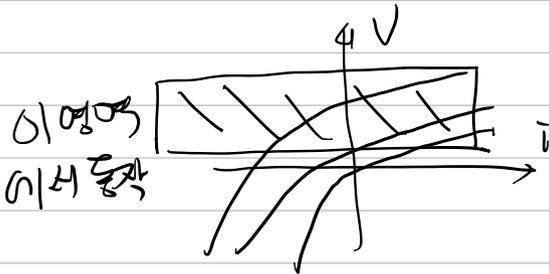
영광 양을 다이오드의 인가하리 았음



$$V_{out} = -i_p \left( R_L \parallel \frac{1}{j\omega C_L} \right)$$

$$\frac{1}{\frac{1}{R_L} + \frac{j\omega C_L}{1}} = \frac{R_L}{1 + j\omega C_L R_L}$$

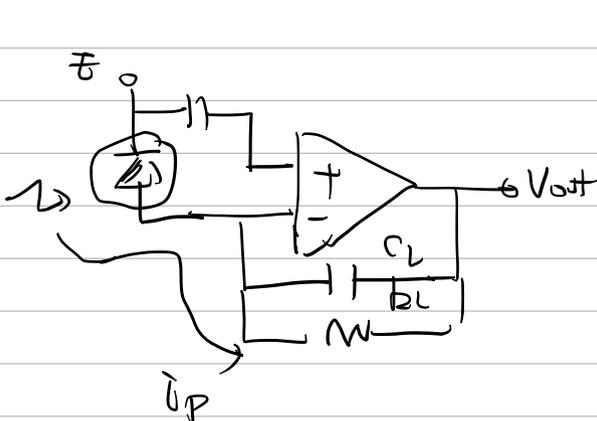
$$V_{out} = -i_p \frac{R_L}{1 + j\omega C_L R_L} \quad \frac{V_{out}}{i_p} = - \frac{R_L}{1 + j\omega C_L R_L}$$



V=0 근처에서 동작

## 2. photo Conductive 모드 : 포토다이오드가 포토레지스트로 동작

Reverse Bias 필요



V < 0 영역에서 동작

