

Figure 1

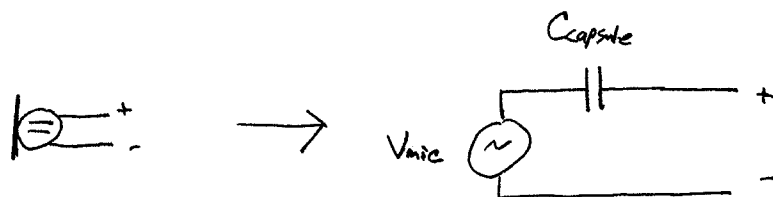


Figure 2

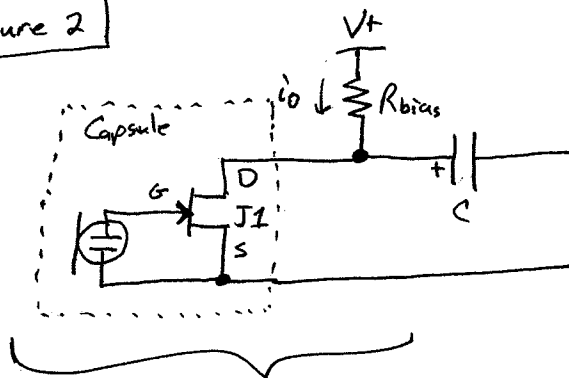


Figure 3

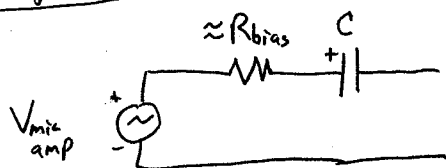


Figure 4

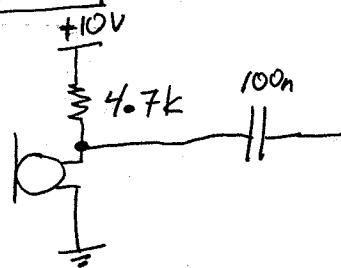
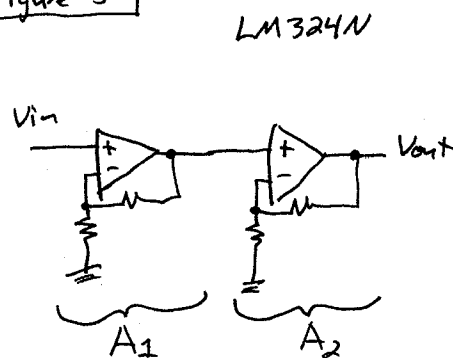


Figure 5



$$\frac{V_{out}}{V_{in}} = A_1 \cdot A_2$$

Figure 6

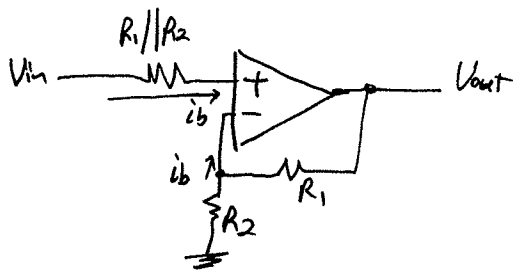
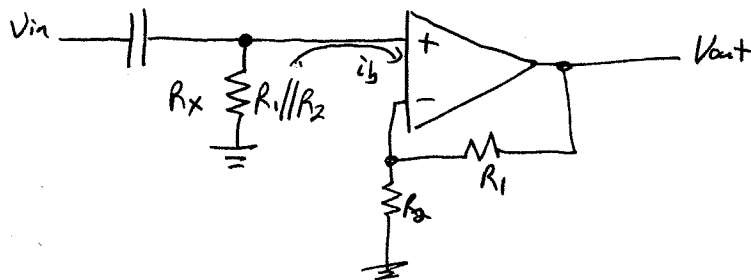


Figure 7



$$V_{out} = V_{in} \left(1 + \frac{R_1}{R_2} \right) + \underbrace{\left(i_b \cdot R_x + V_{os} \right) \left(1 + \frac{R_1}{R_2} \right)}_{\text{offset}}$$

Figure 8

Un-used opamps:

