Current Mirror and Amplifier

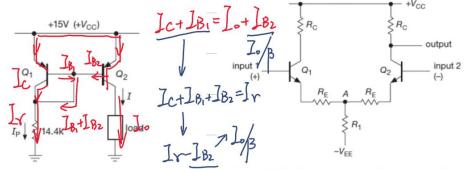
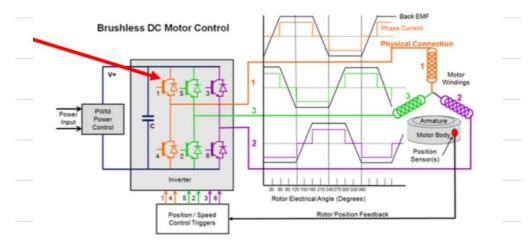
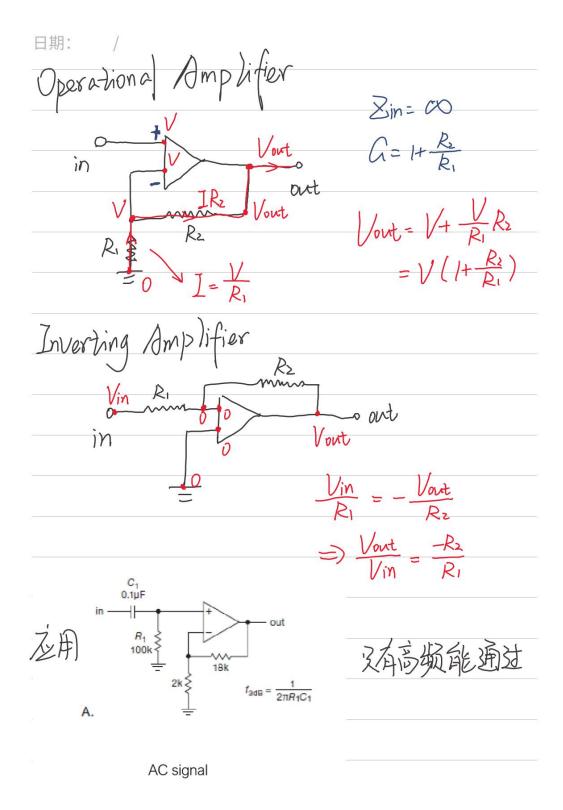
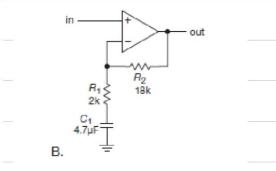


Figure 2.58. Programming current-mirror current. Figure 2.63. Classic transistor differential amplifier.

Brushless Motor speed Controller







直流交流都通过

DC Biased AC signal

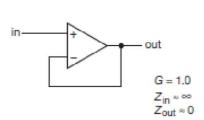
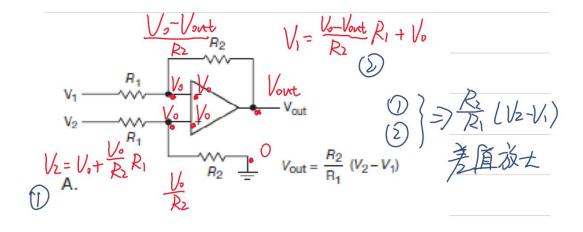
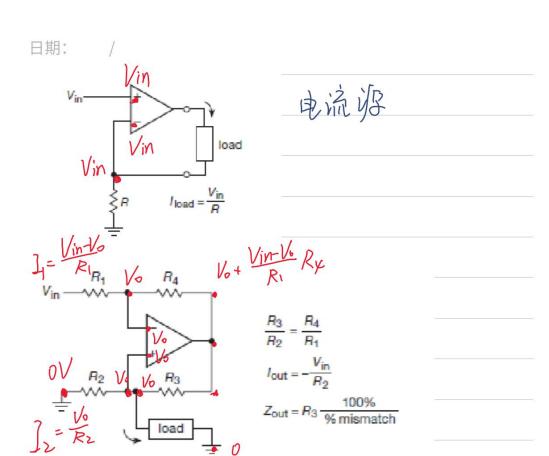
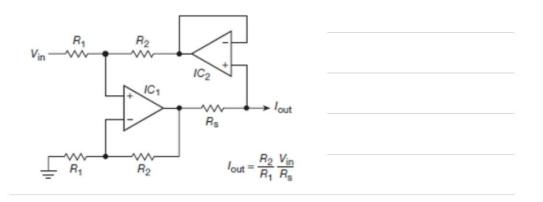


Figure 4.8. Op-amp follower.







日期:

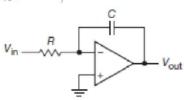


Figure 4.16. Integrator.

$$V_{\rm in}/R = -C(dV_{\rm out}/dt)$$

$$V_{\text{out}}(t) = -\frac{1}{RC} \int V_{\text{in}}(t) dt + \text{const.}$$

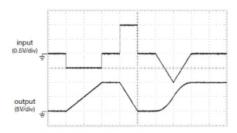
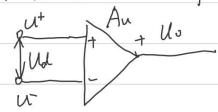


Figure 4.17. Integrator waveforms. The output can go anywhere it wants to, unlike our simple RC "integrator" of §1.4.4. Horizontal: 10 ms/div.

我分电路

理想运放电路分析



Uo = Au (Ut-UT) = Au Ud

①输入端相当于断路 ②两输入端等电区 ③一方接地,分方相当于接地