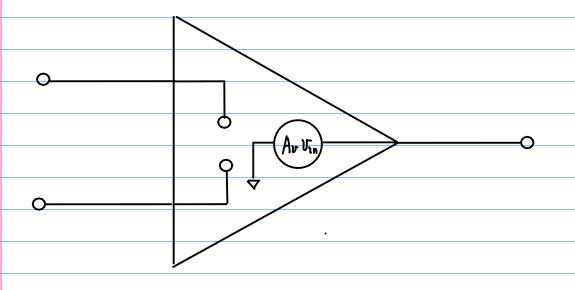
OP Amp Basics (H.1)

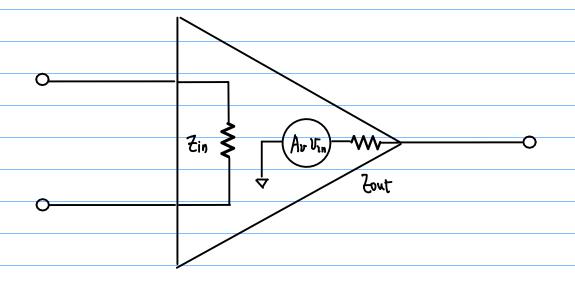
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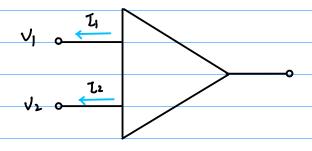
References
Based
[1] Floyd, Flectronic Devices 7th ed
[1] Floyd, Electronic Devices 7th ed [2] Cook,
[2] en.wikipedia.org
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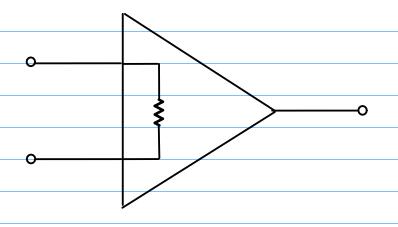


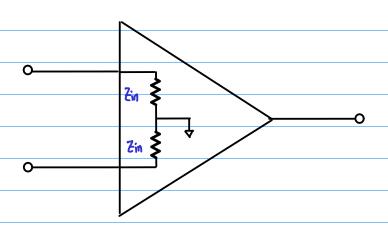
OP Amp Parameters

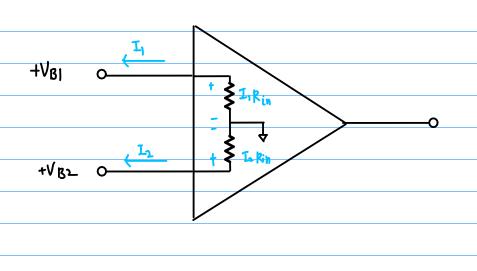
Input Offset Voltage
Input Bias Current
Input Impedance
Input Offset Current
Output Impedance
Common Mode Input Voltage Range
Open-Loop Voltage Gain
Common-Mode Rejection Ratio
Slew Rate
Frequency Response

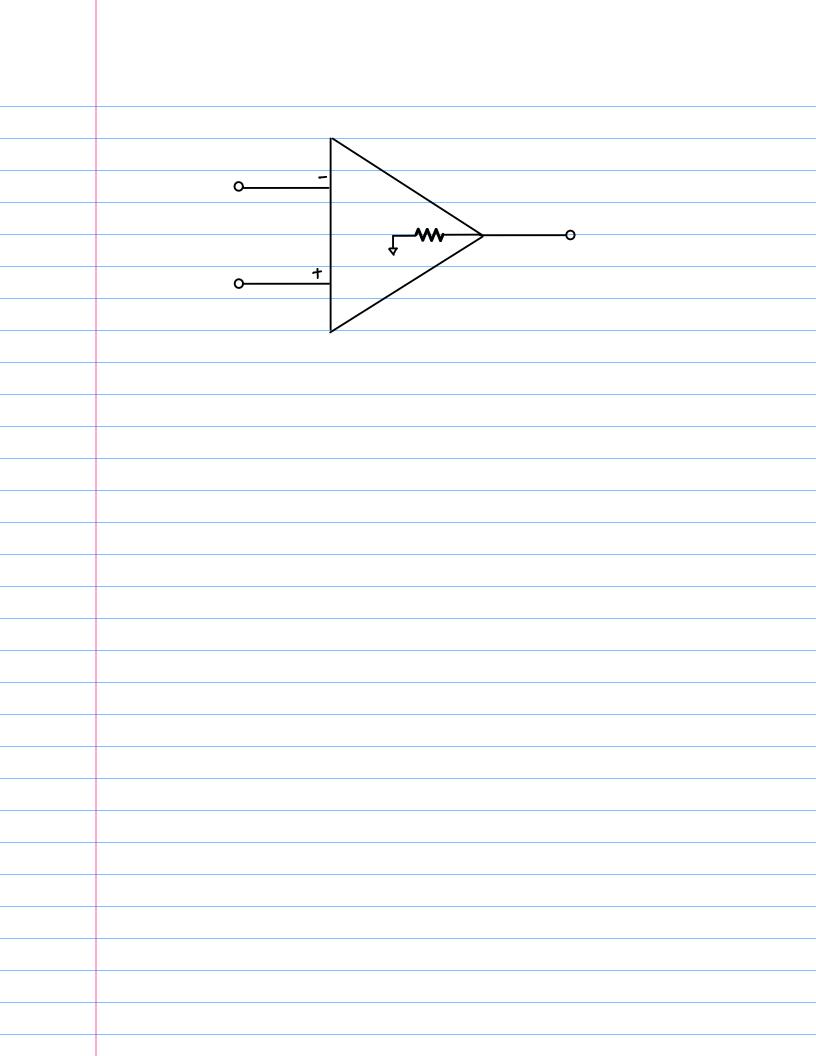


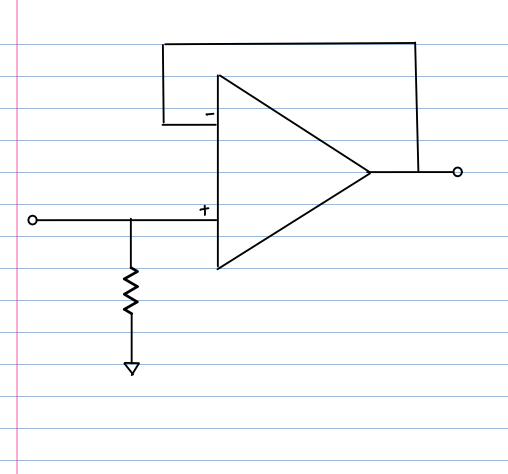
$$L_{BIAS} = \frac{I_1 + I_2}{2}$$

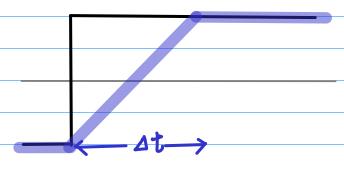


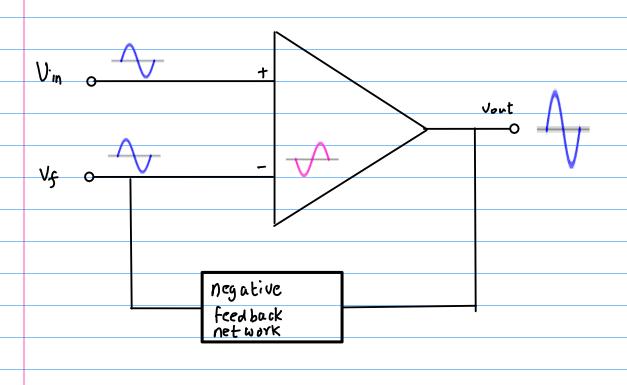


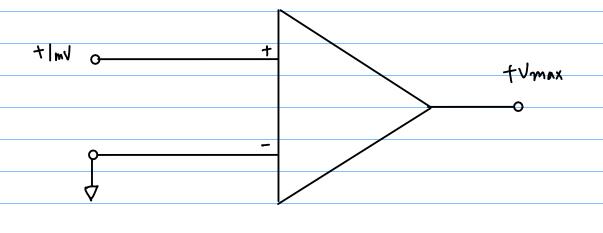


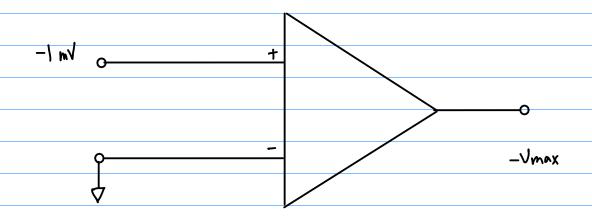


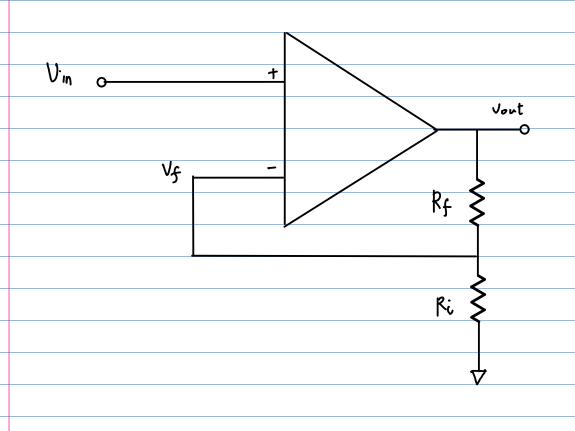




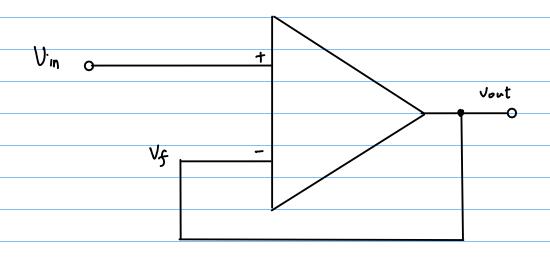




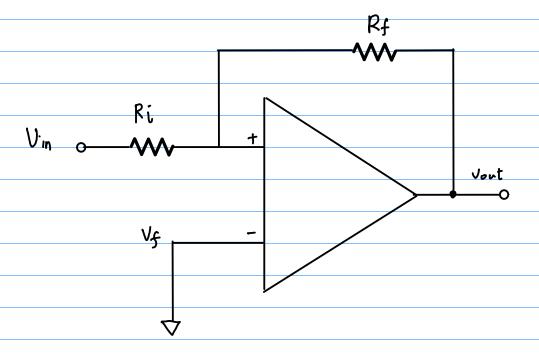


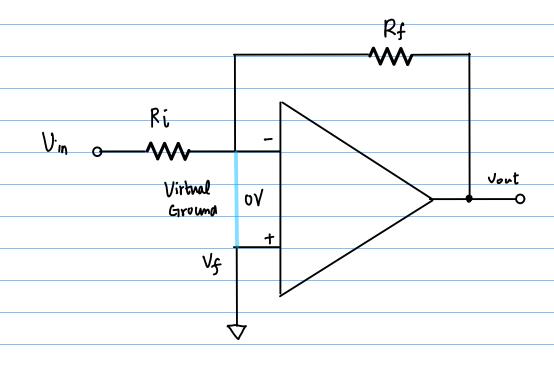


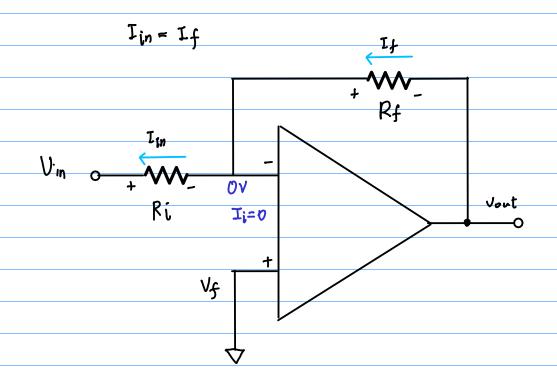
Voltage follower



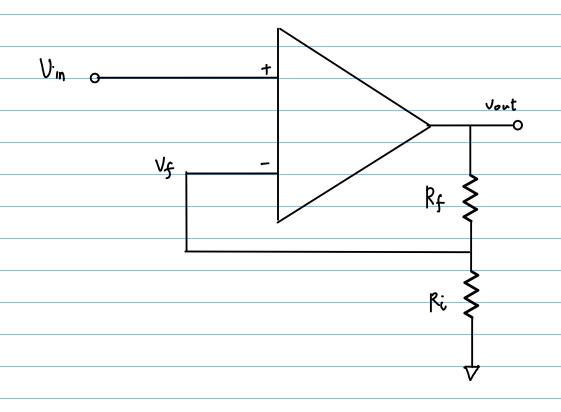
Inventing Amplifier







non-inventing Amplifier



Inverting Amplifier Impedance

