

CENG4480 Lab2: Op Amp (2)

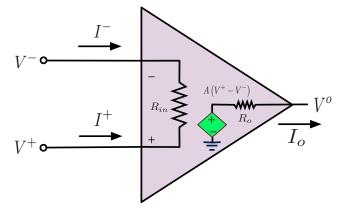
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Golden Rule of an Ideal Op Amp

► *R_{in}* goes infinity

 $\blacktriangleright I^+ = I^- = 0$

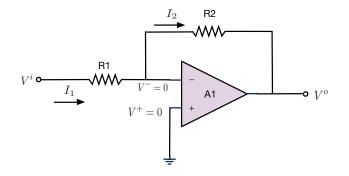


An Ideal Op Amp.



Golden Rule of an Ideal Op Amp with Negative Feedback

► $V^+ = V^-$

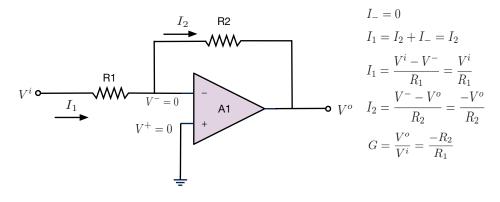


An Inverting Amplifier.



Analysis on Circuit with An Ideal Op Amp

▶ $I^+ = I^- = 0$ ▶ $V^+ = V^-$



Analysis on Inverting Amplifier.

Suggestions for Experiments

- Se careful about the offset value.
- Subserve to obtain resistances.
- \blacktriangleright \bigcirc The capacitance of capacitor 103 is $0.01 \mu F$
- \bigcirc The capacitance of capacitor 104 is $0.1 \mu F$