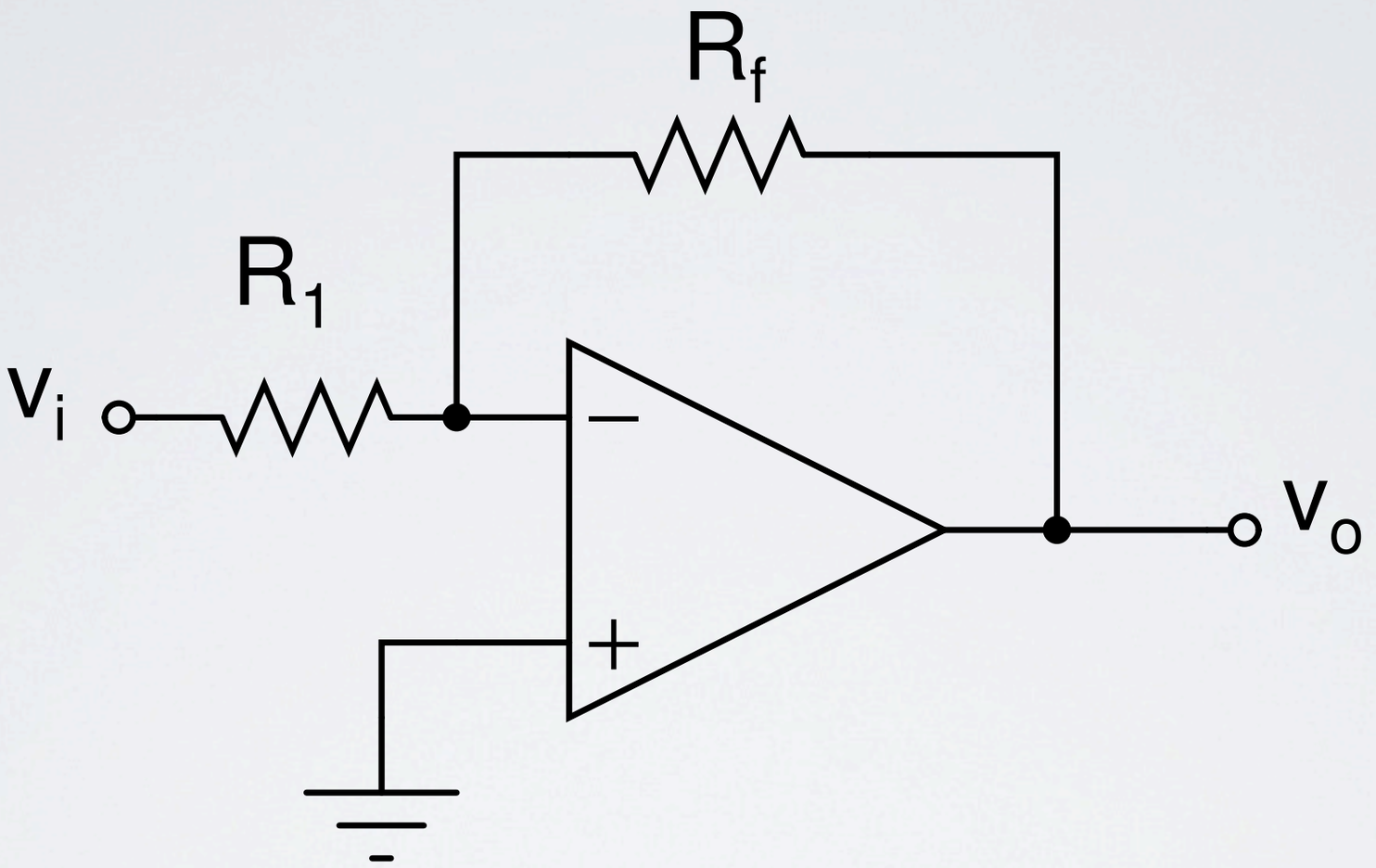
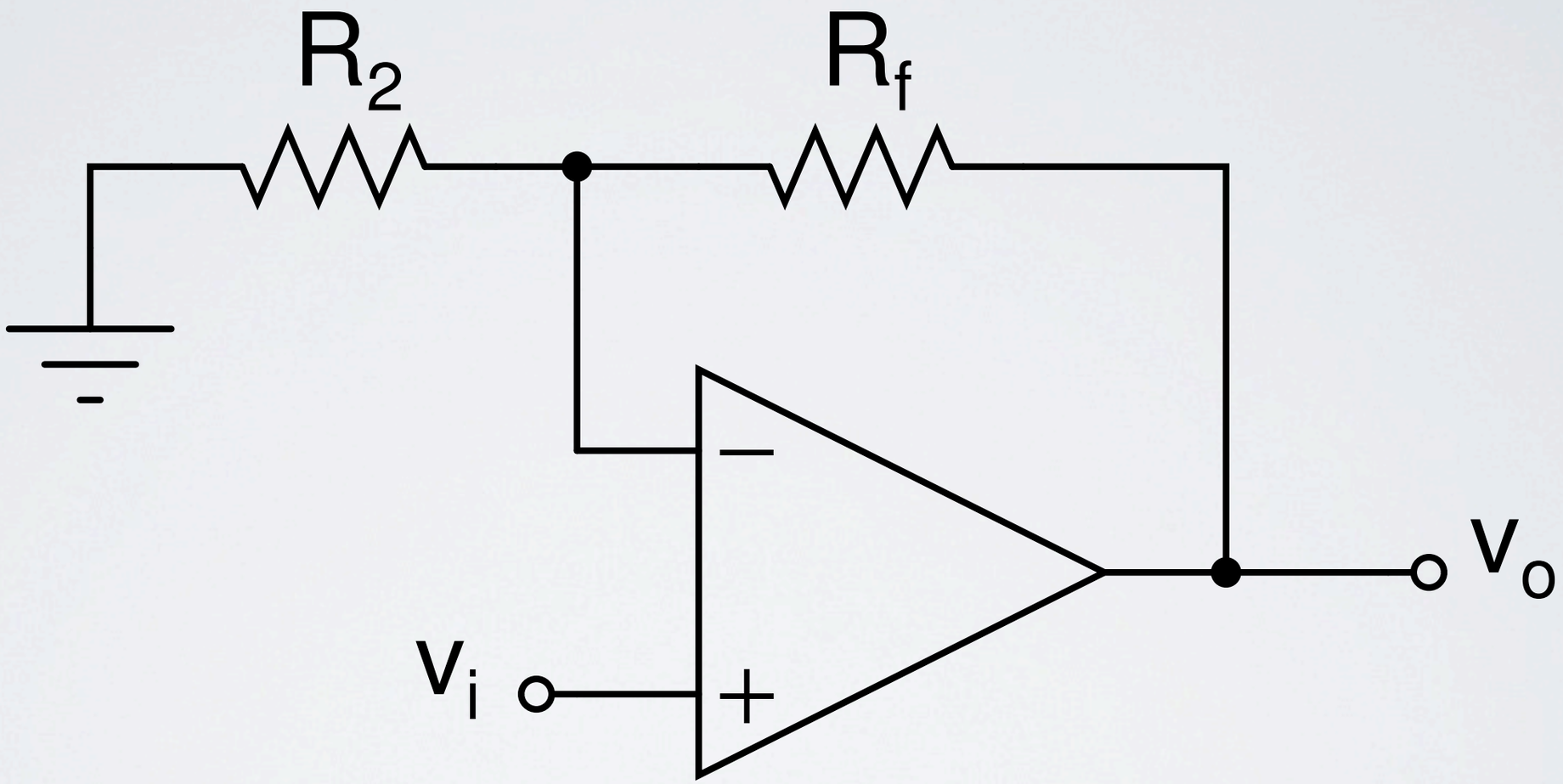
OP-AMP APPLICATIONS

INEL 4076 - Introduction to Electronics

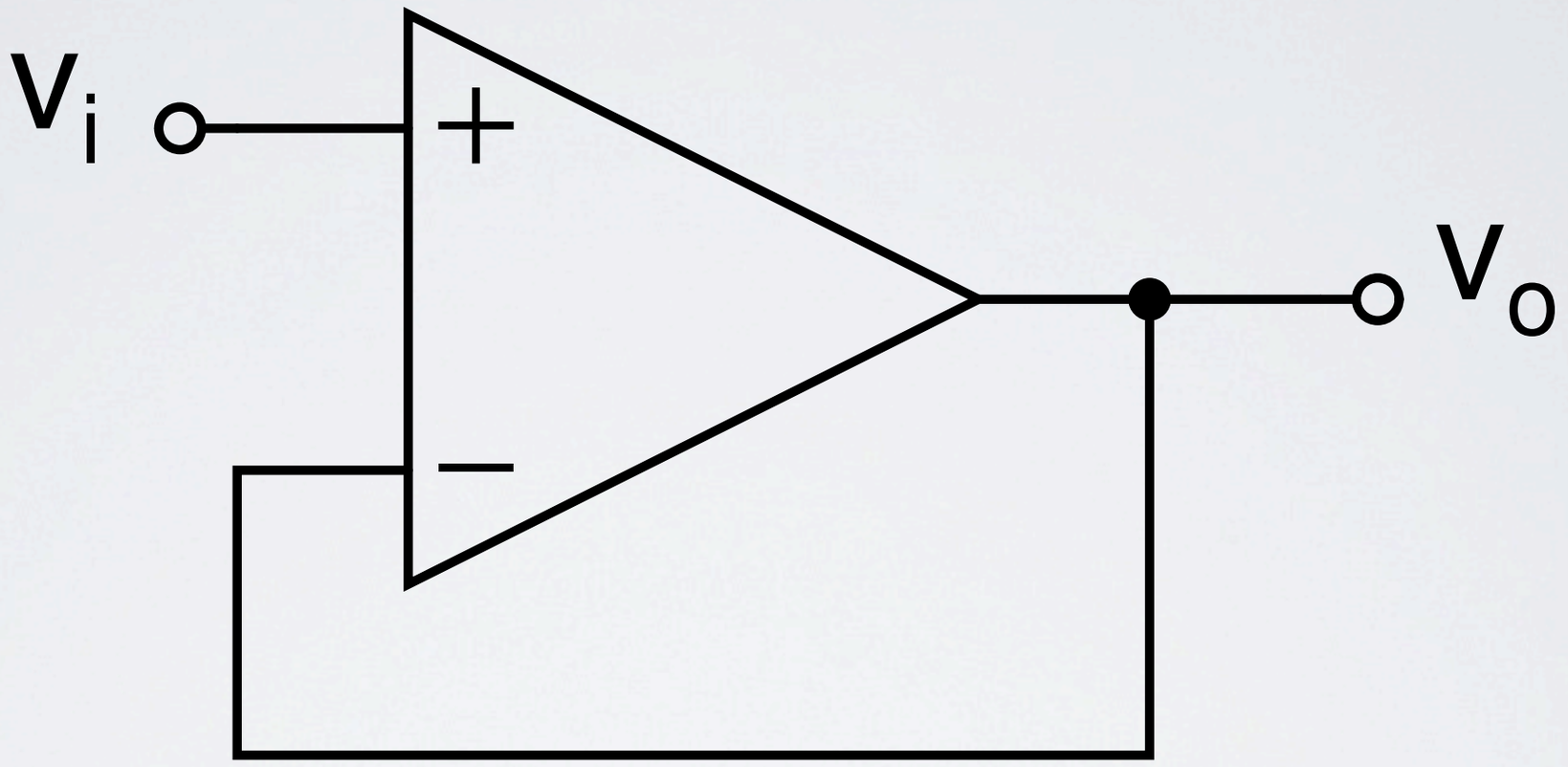
INVERTING AMPLIFIER



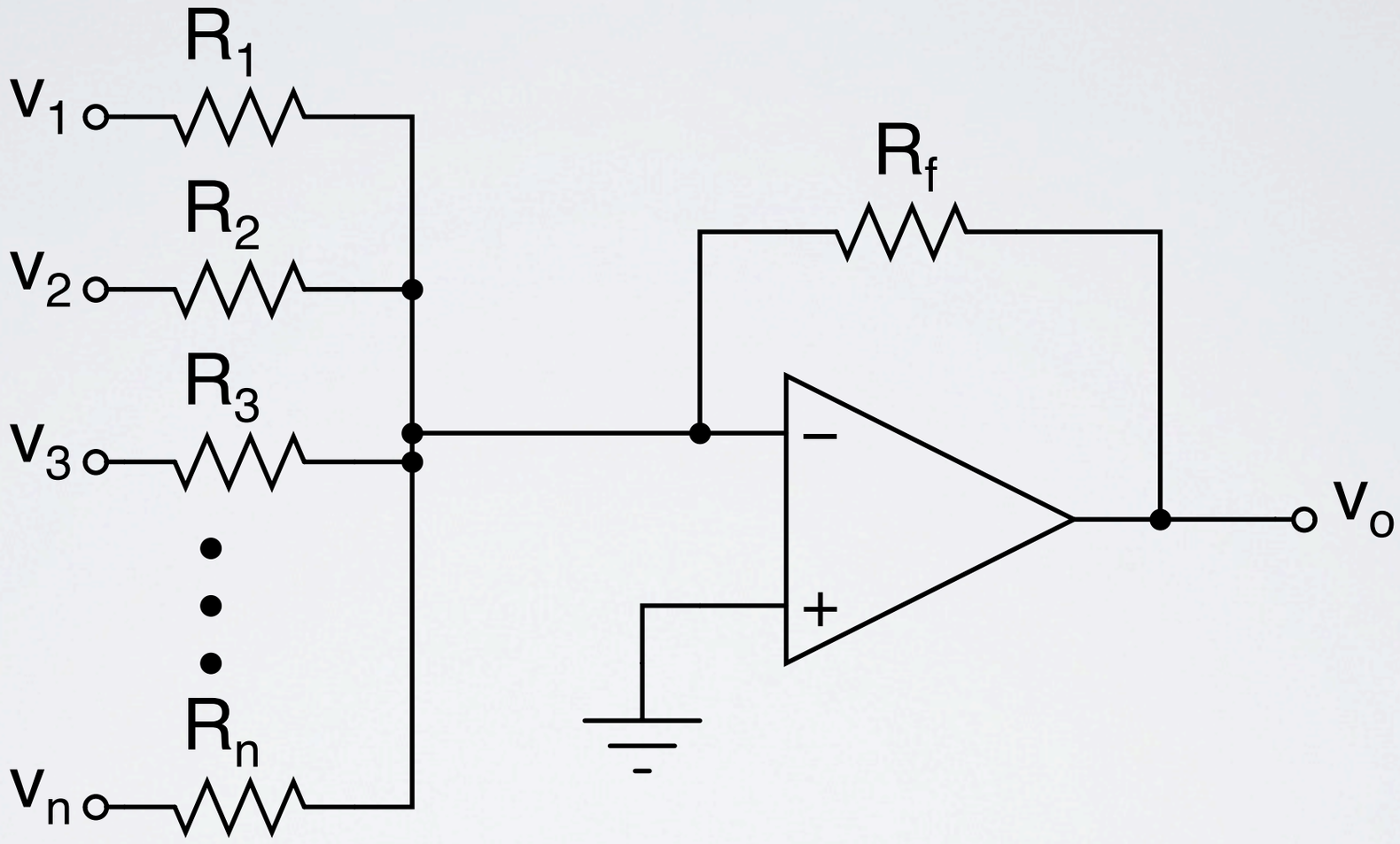
NON-INVERTING AMPLIFIER



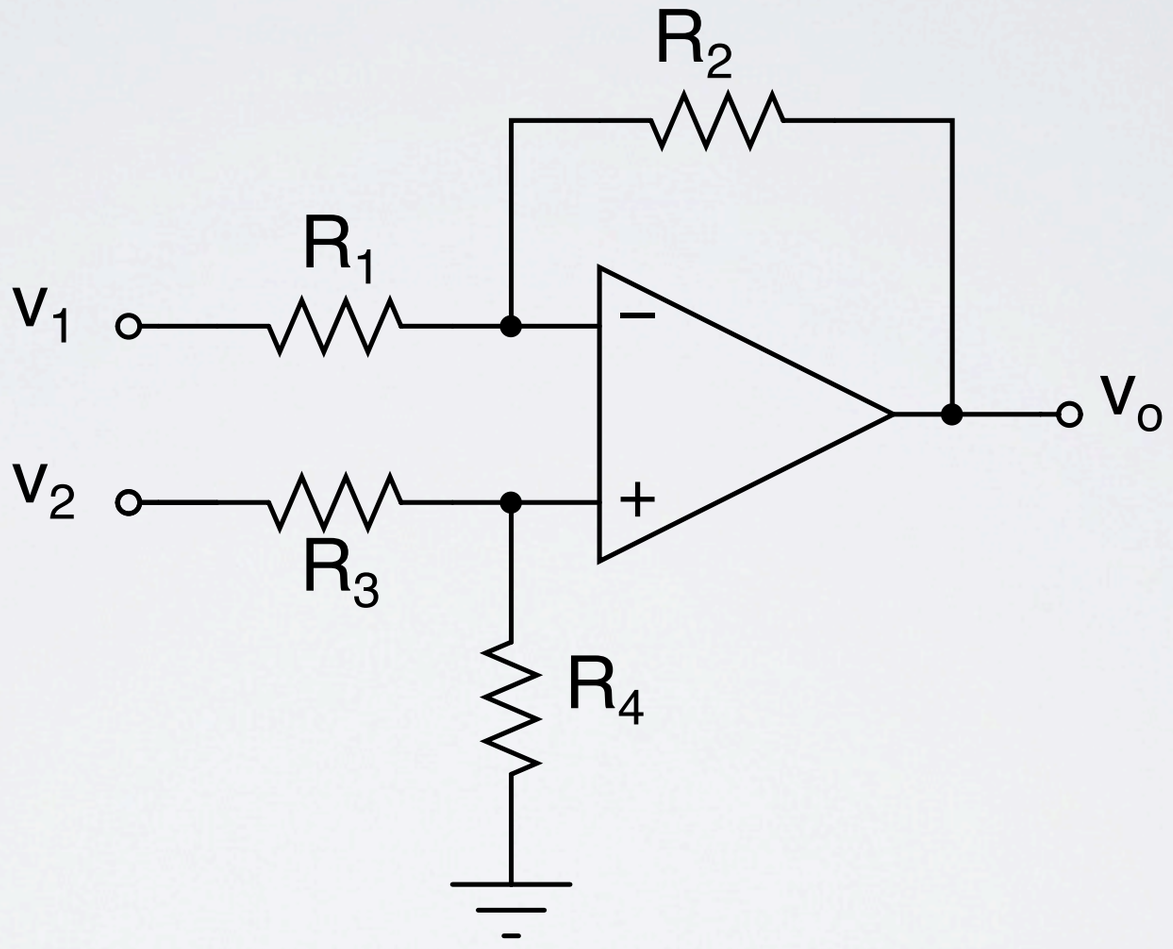
BUFFER AMPLIFIER



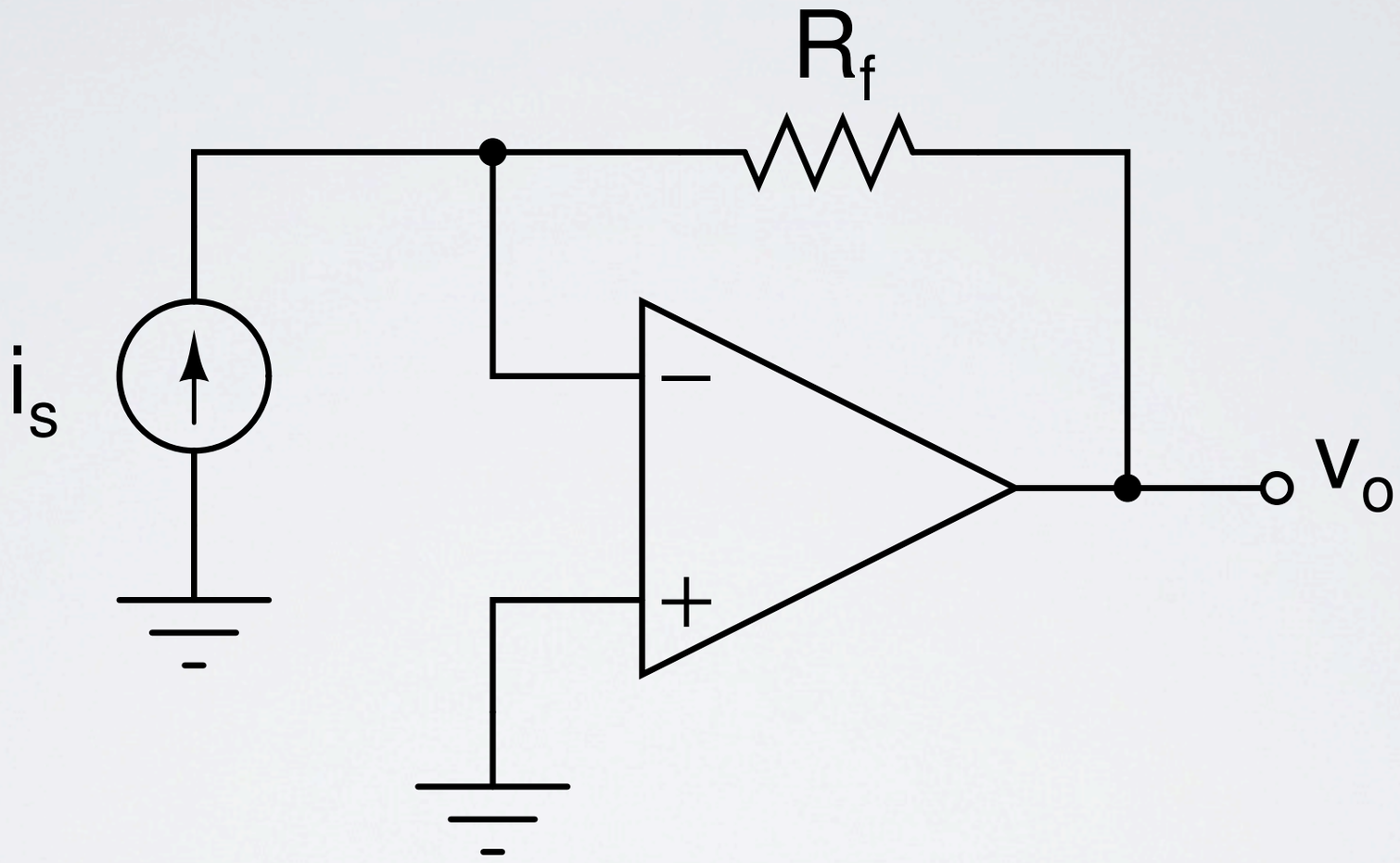
SUMMING AMPLIFIER



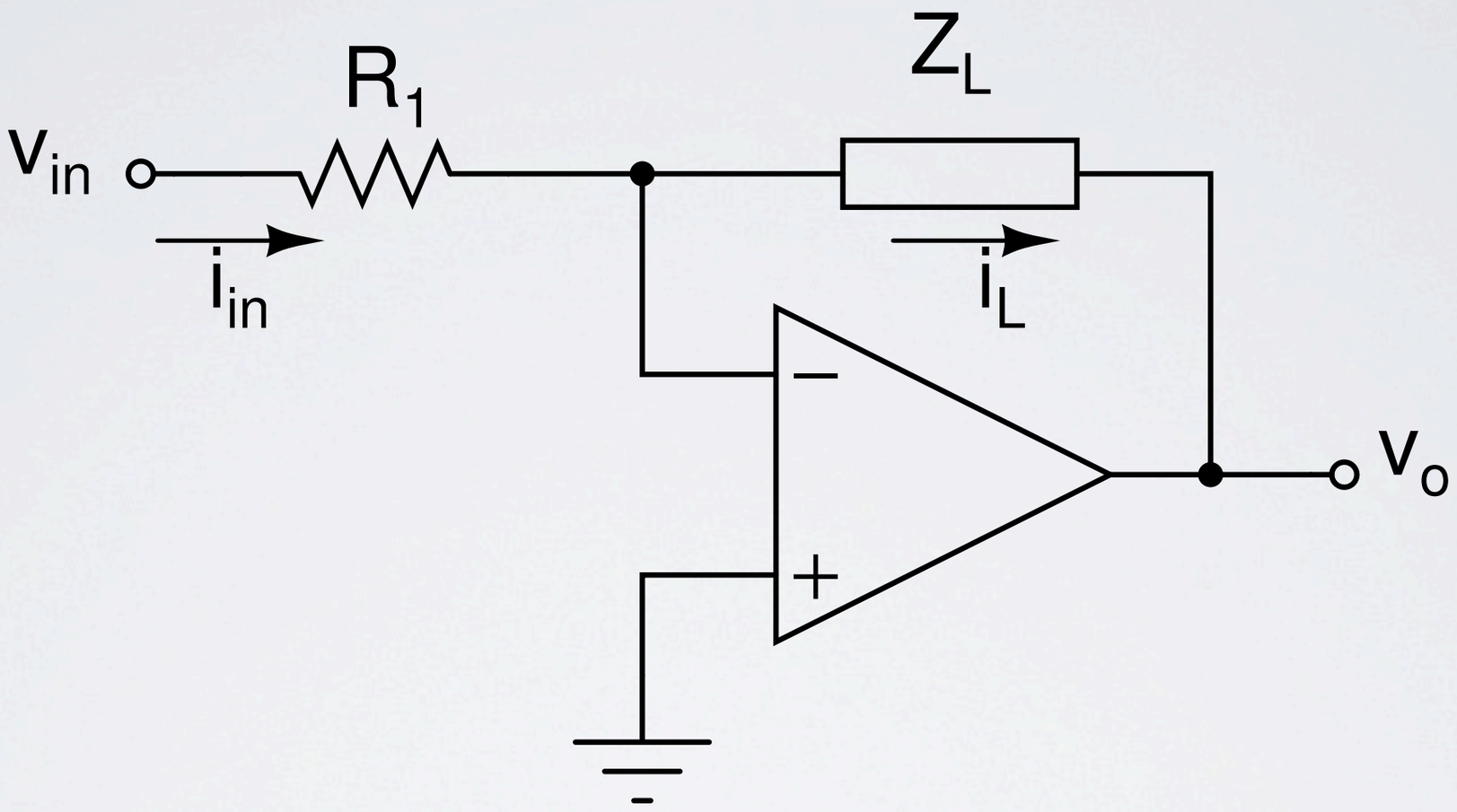
DIFFERENCE AMPLIFIER



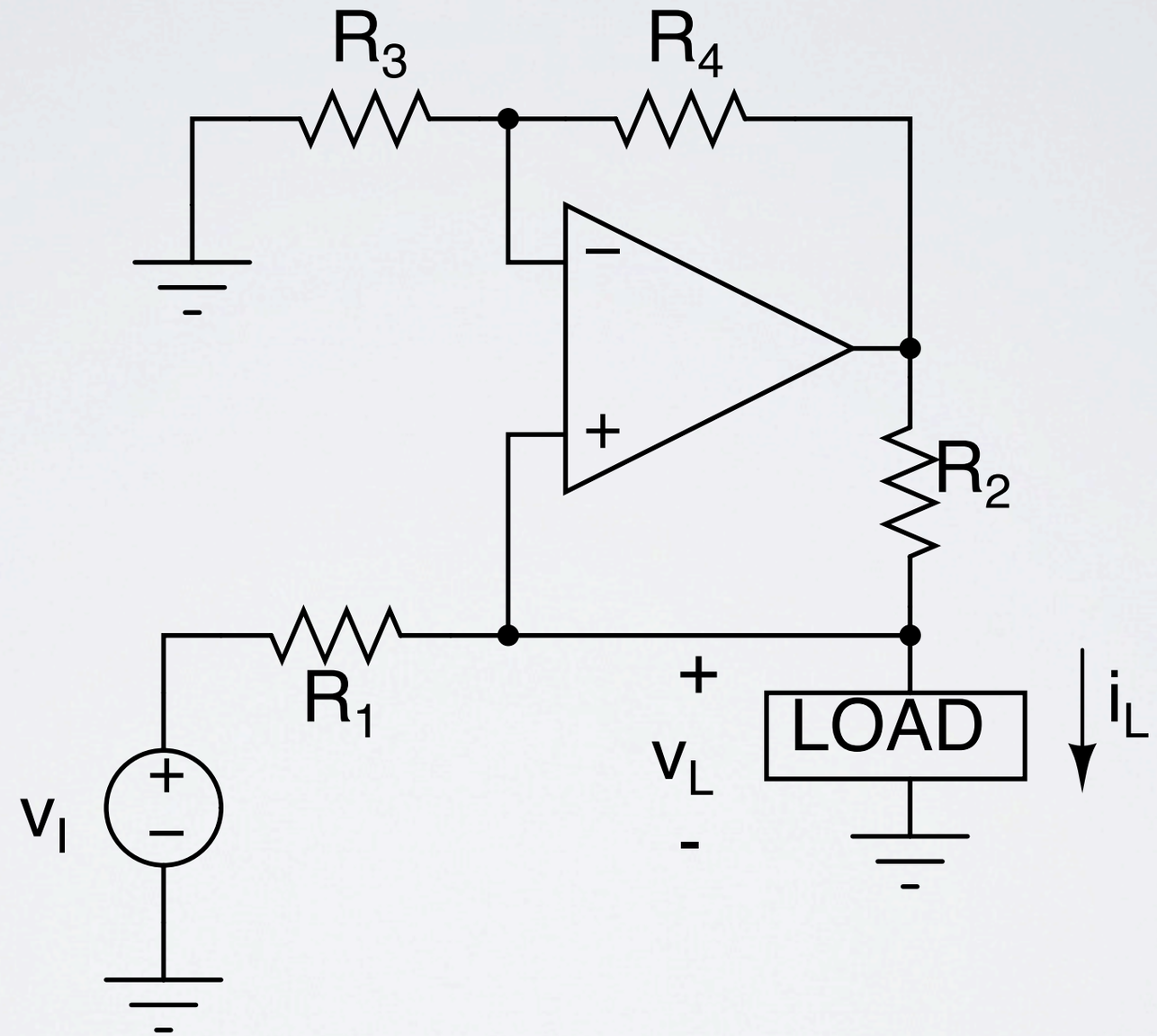
I-V CONVERTER



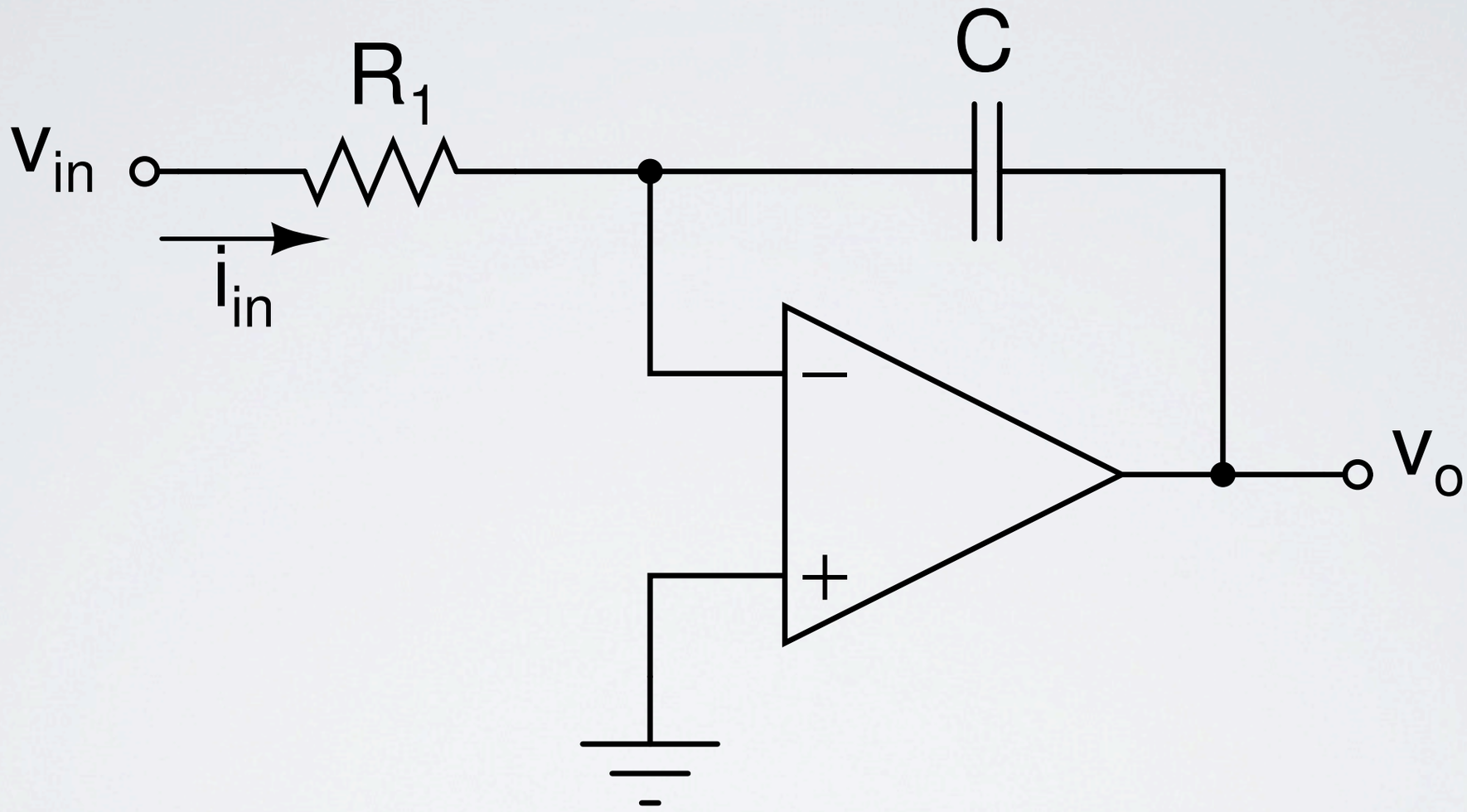
V-I CONVERTER



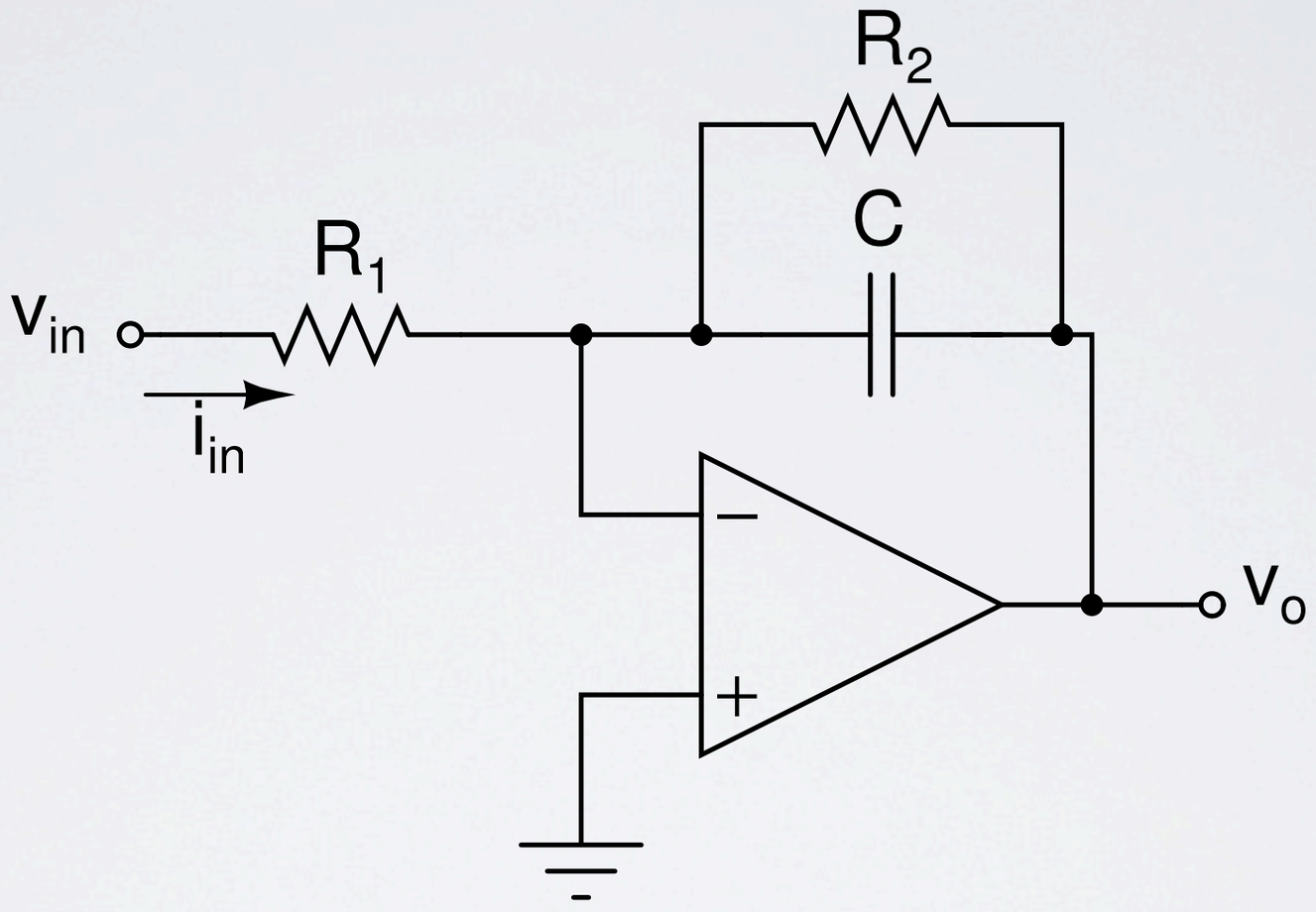
HOWLAND CURRENT PUMP



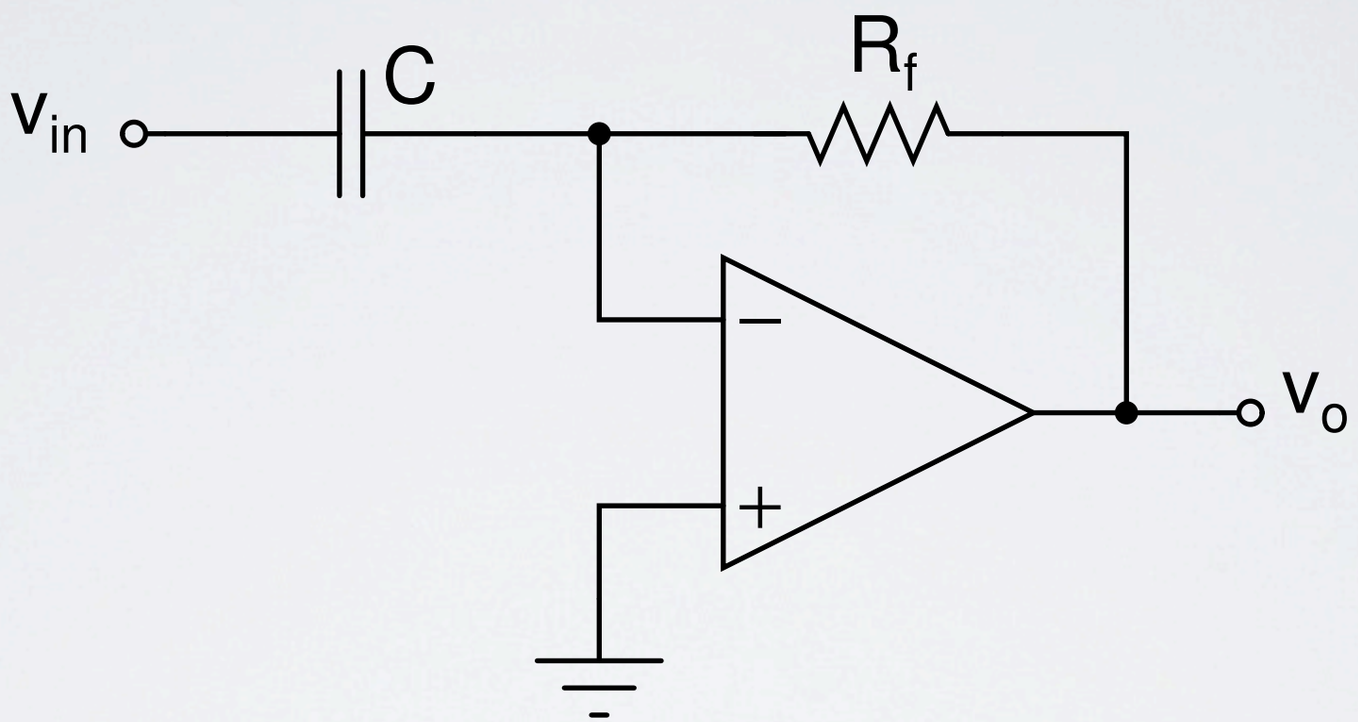
INTEGRATOR



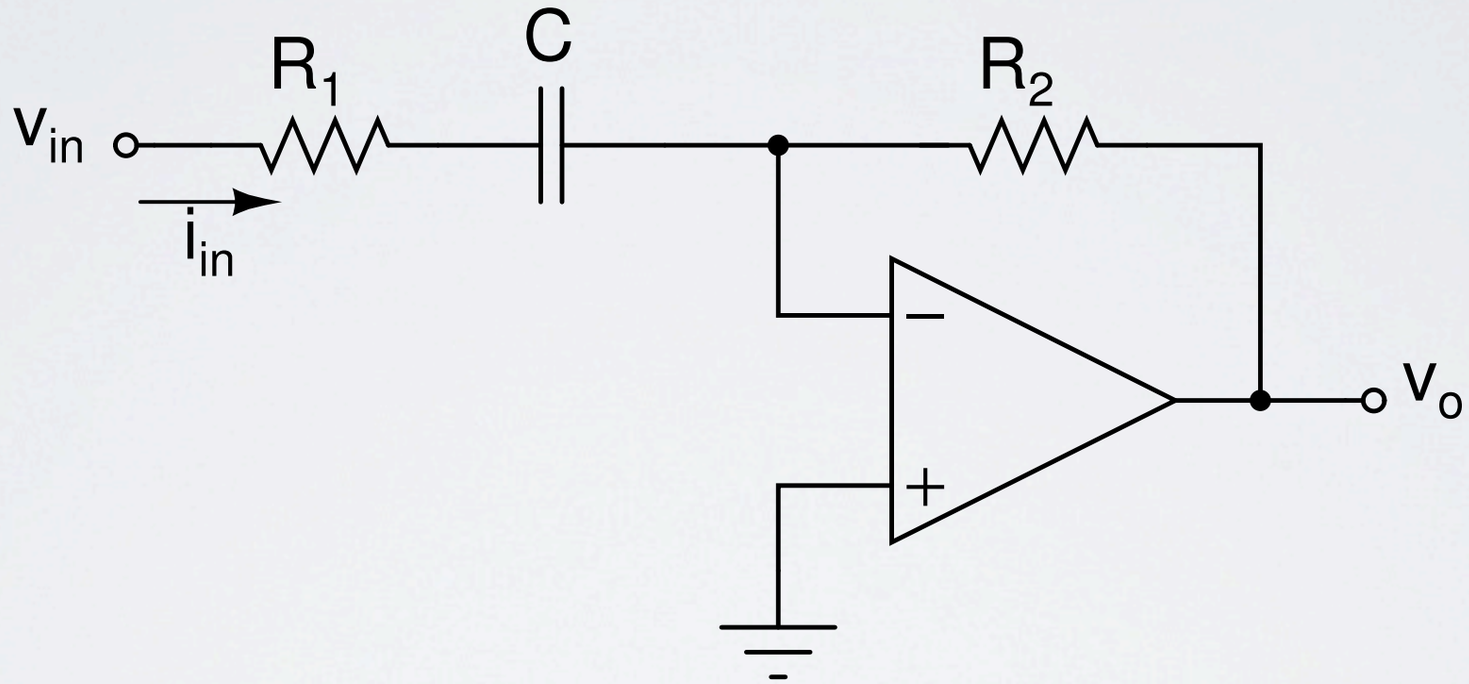
LOW-PASS FILTER



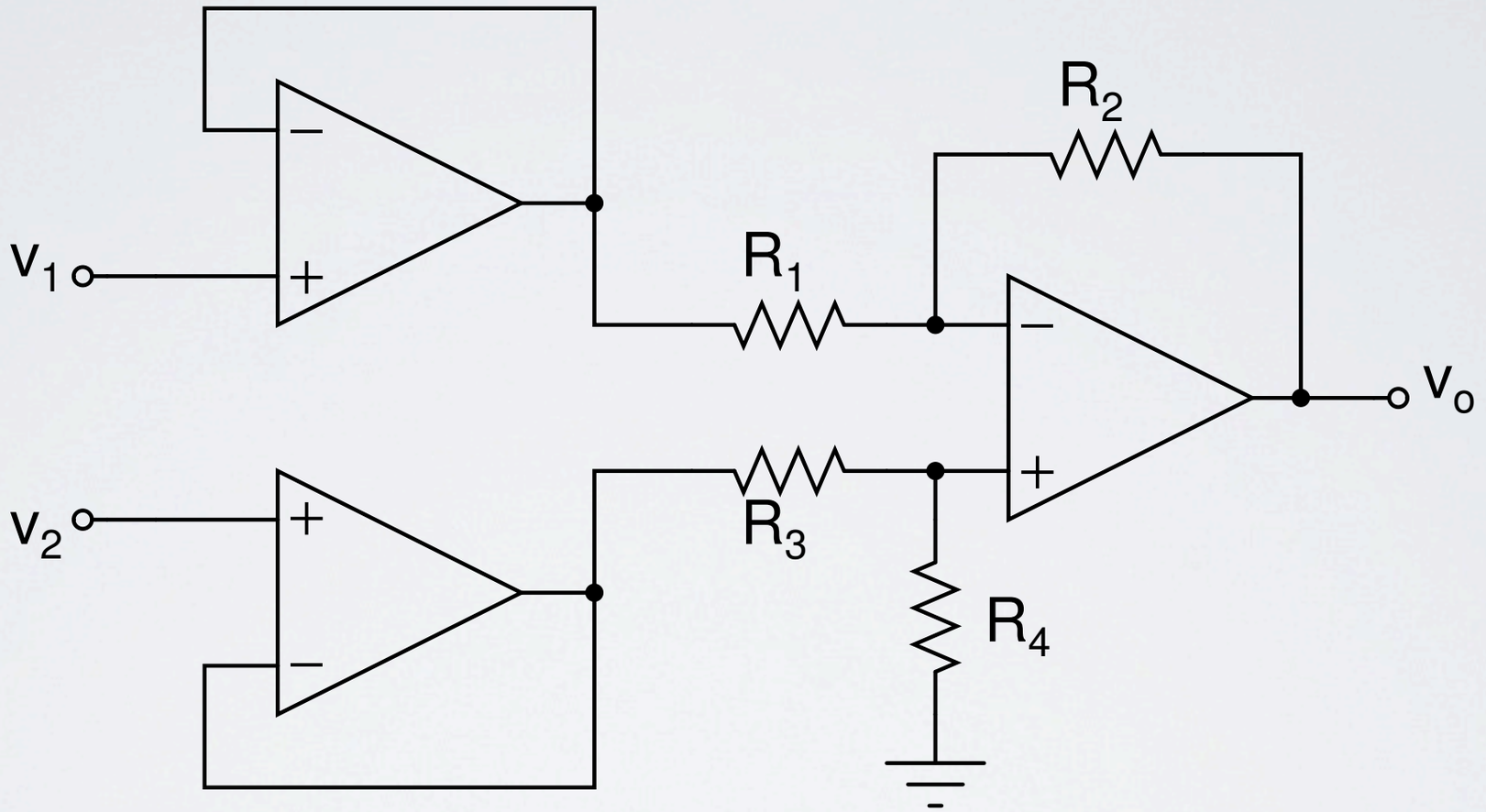
DIFFERENTIATOR



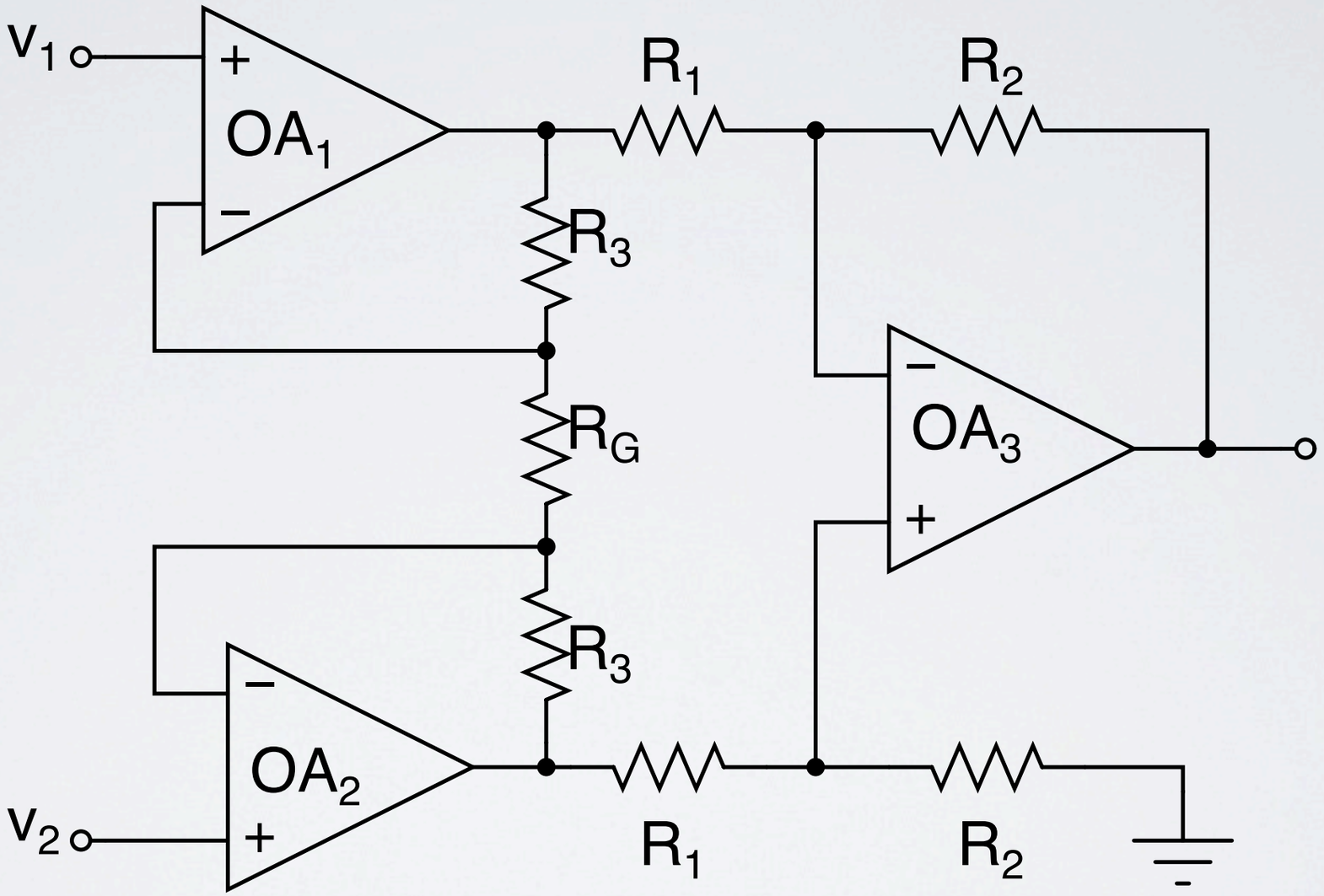
HIGH-PASS FILTER



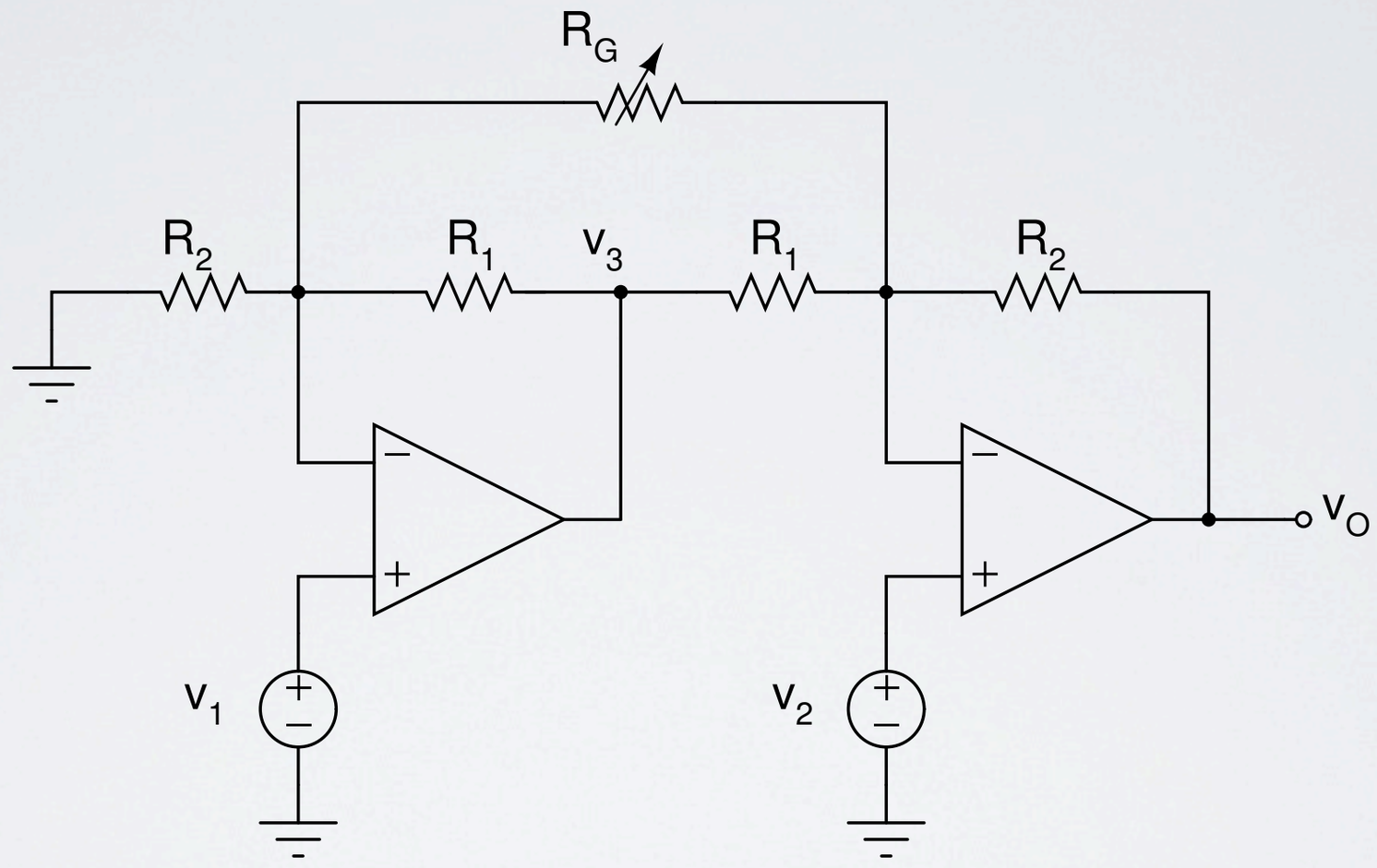
INSTRUMENTATION AMPLIFIER



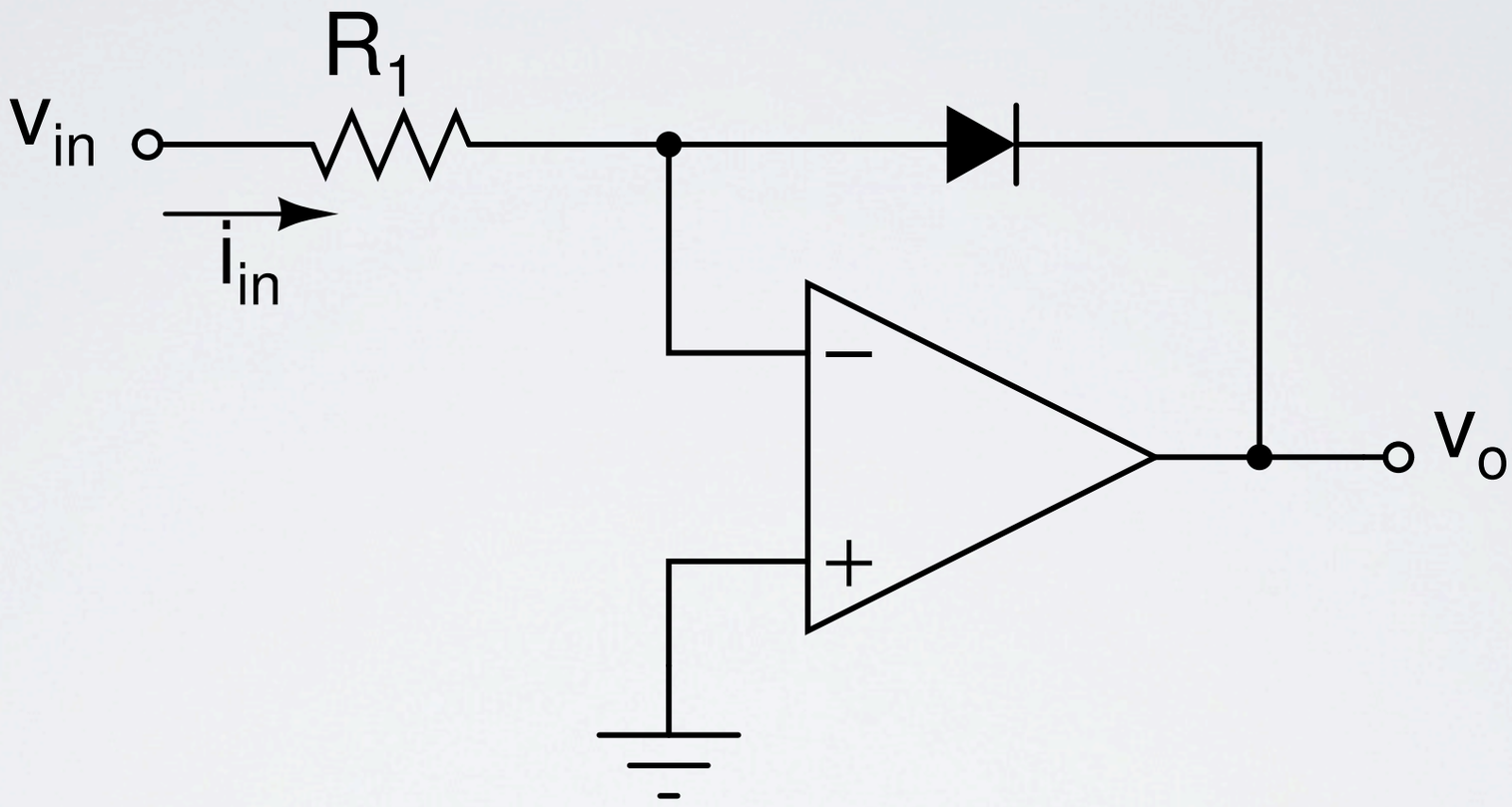
TRIPLE-OPAMP IA



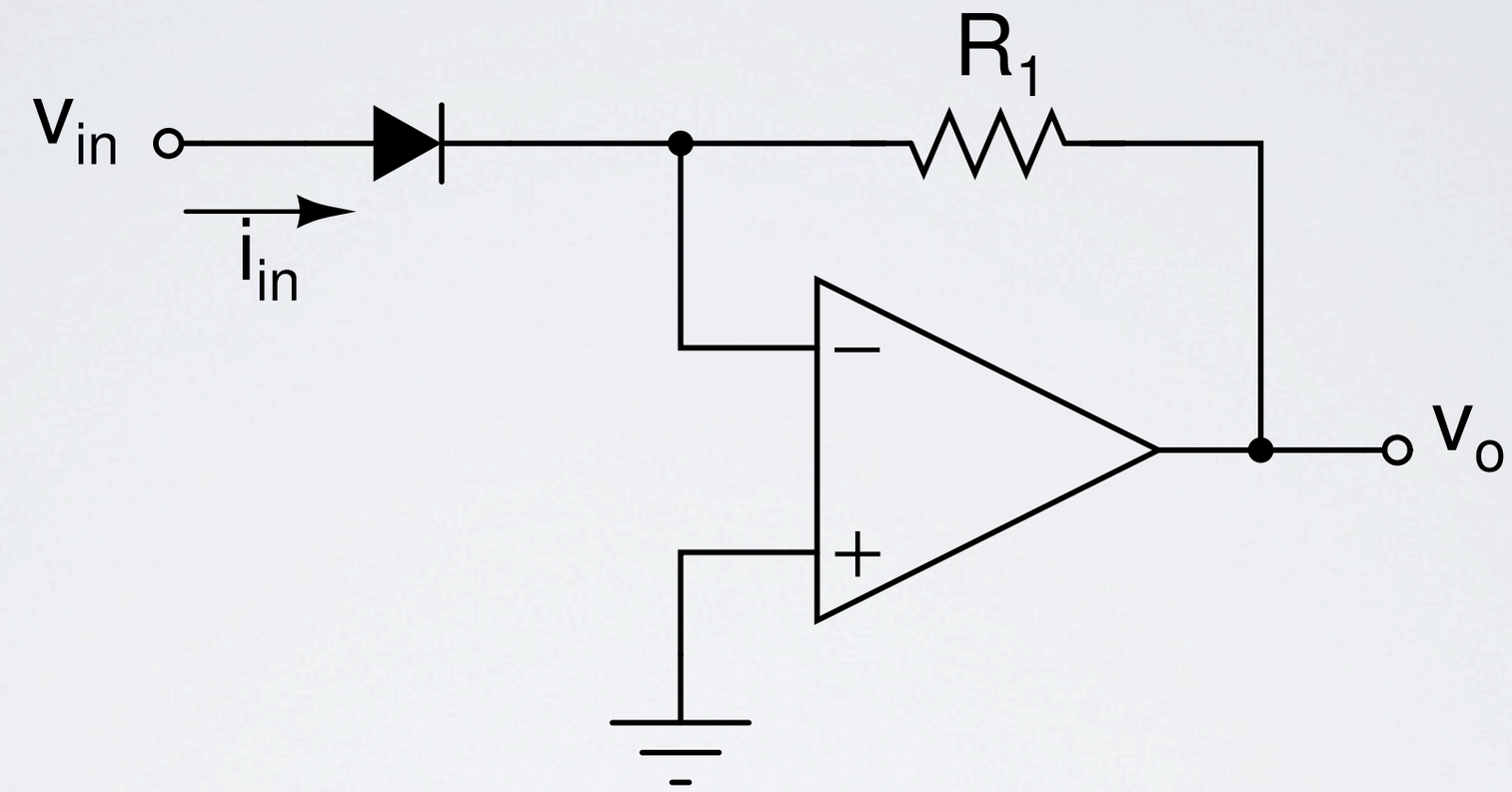
DUAL-OPAMP IA WITH



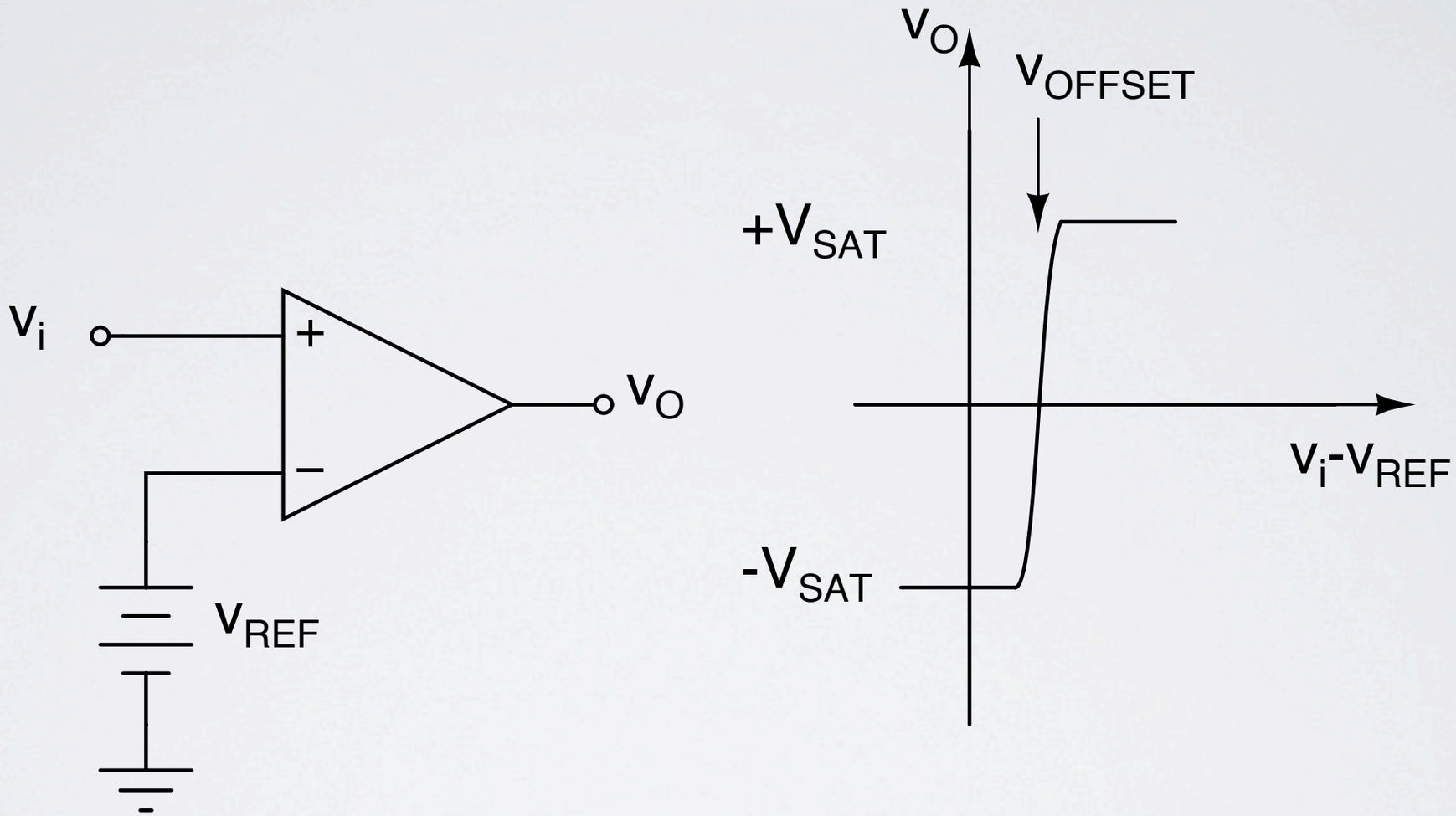
SIMPLE LOG CONVERTER



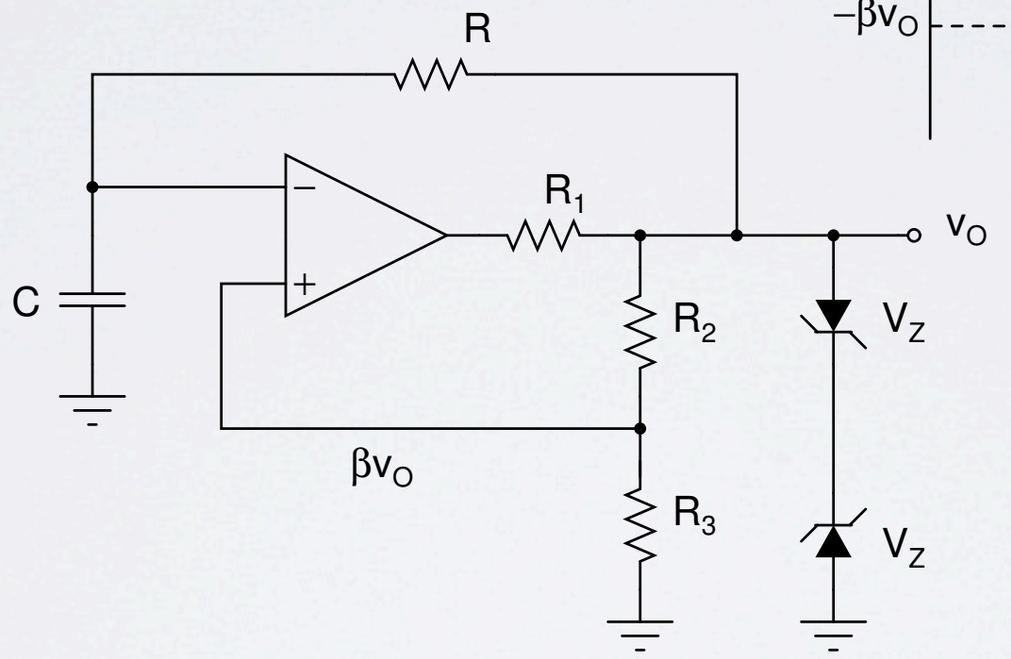
ANTILOG CONVERTER



COMPARATOR



SQUARE-WAVE GENERATOR



- example: Amp. with T-network
- Effect of finite gain