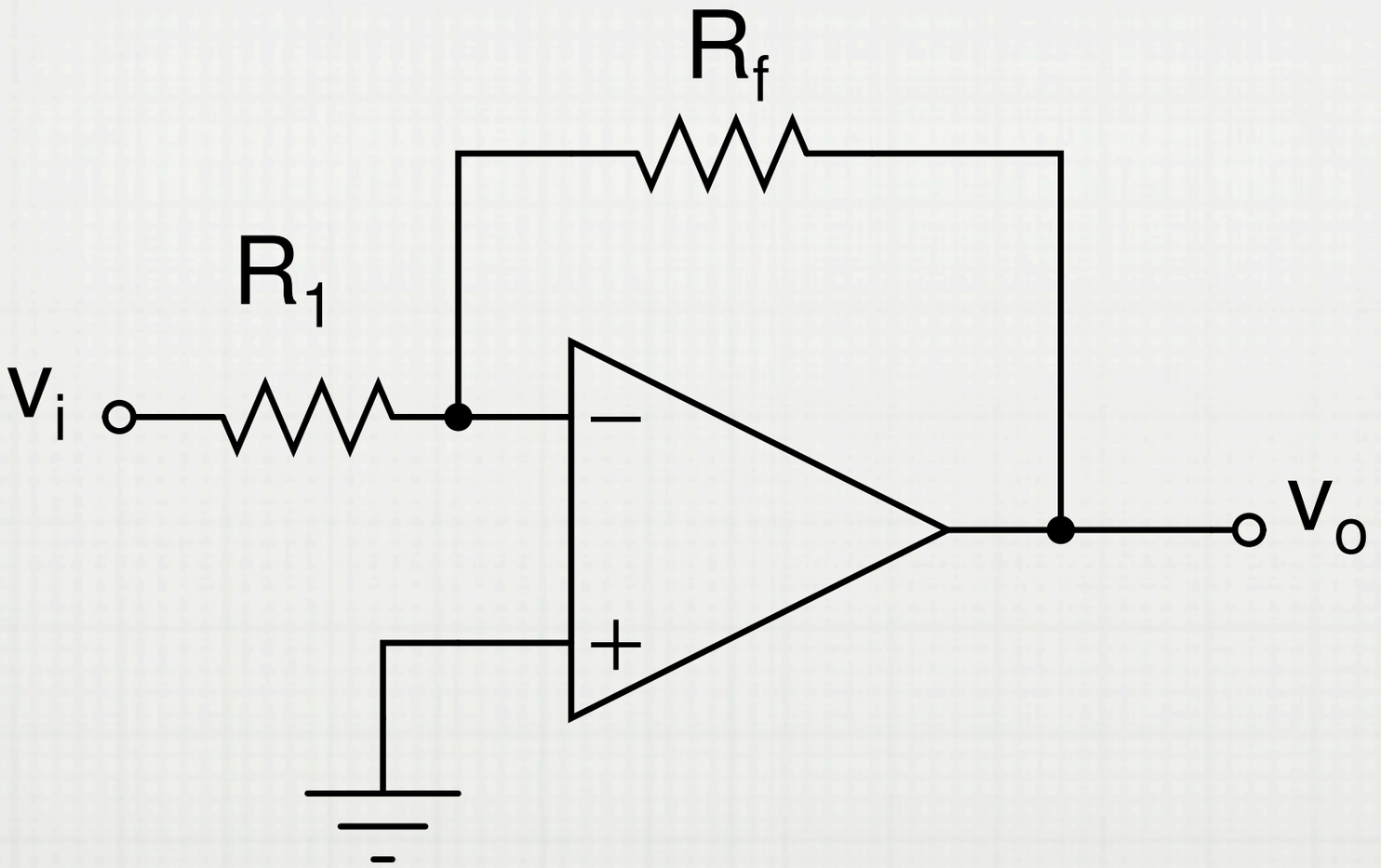
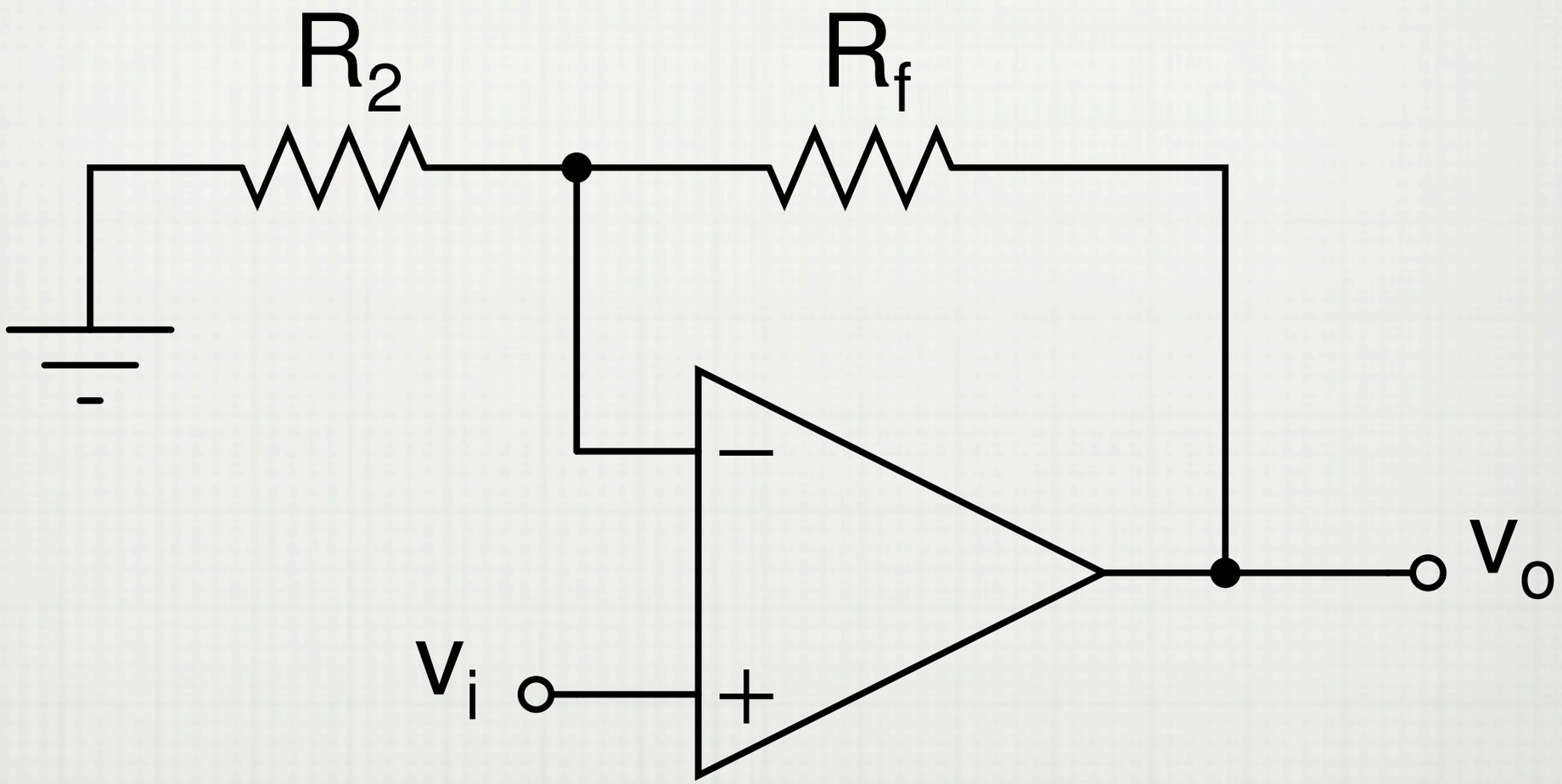
OP-AMP APPLICATIONS

INEL 4202 - ELECTRONICS II

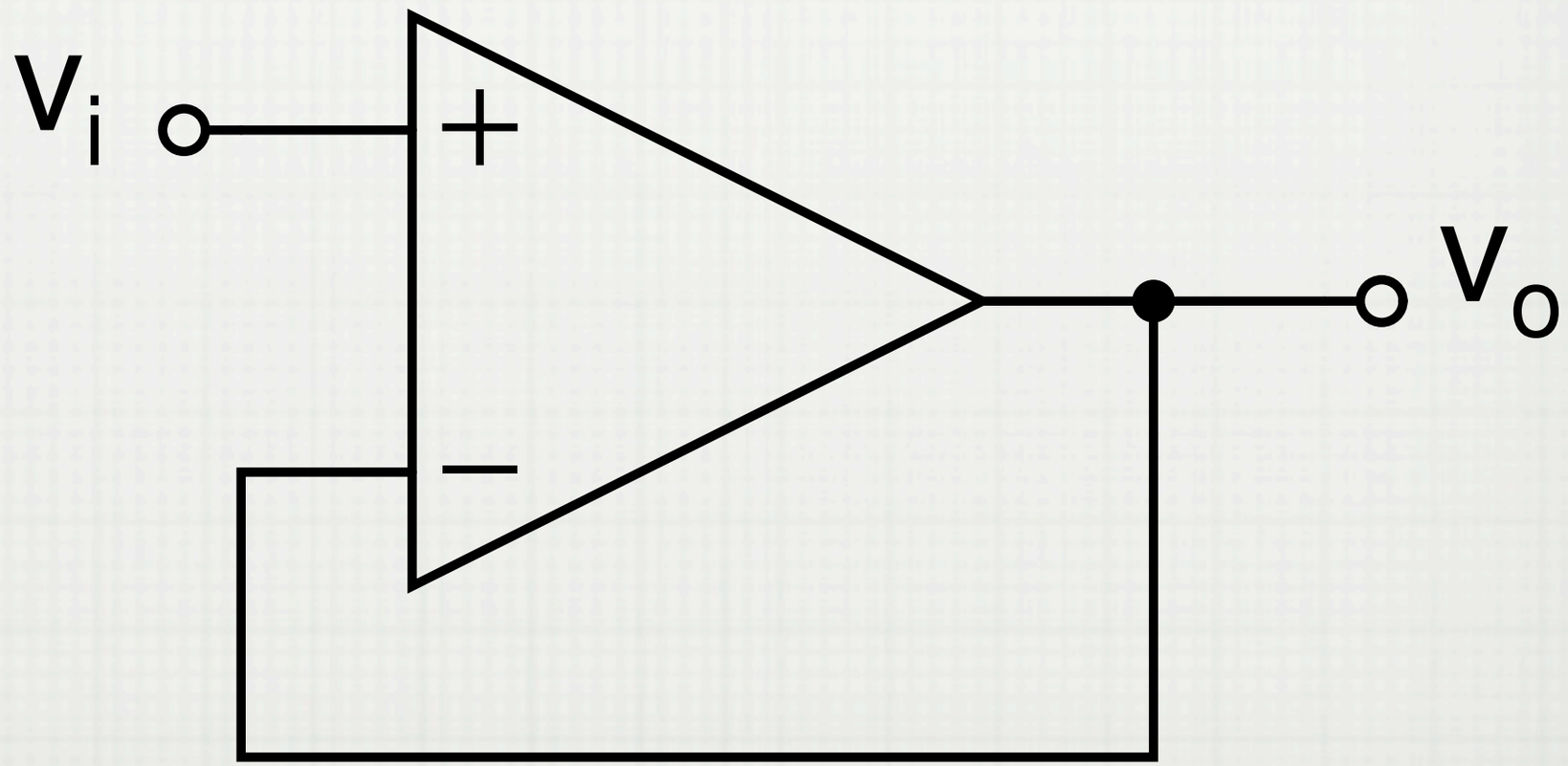
INVERTING AMPLIFIER



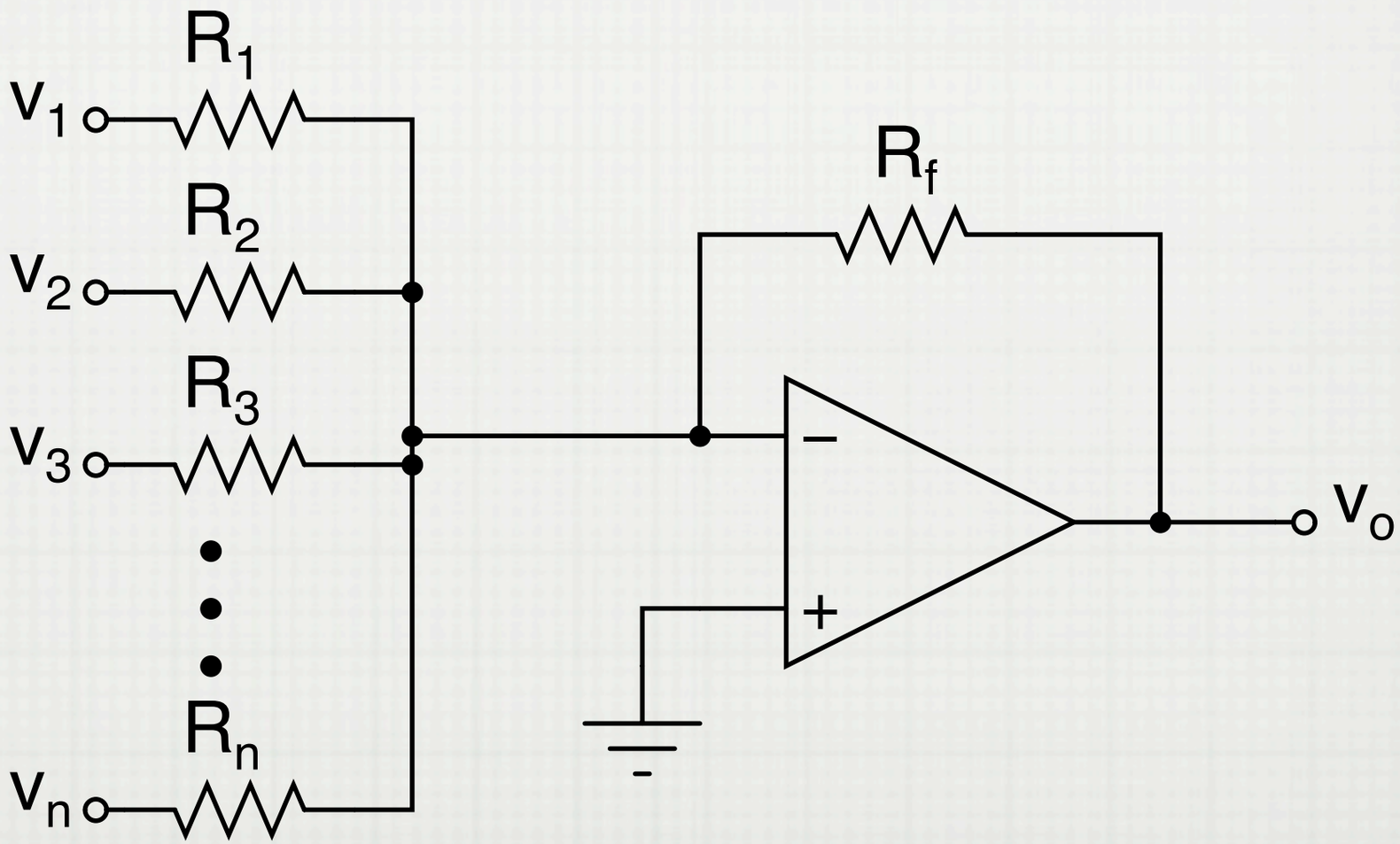
NON-INVERTING AMPLIFIER



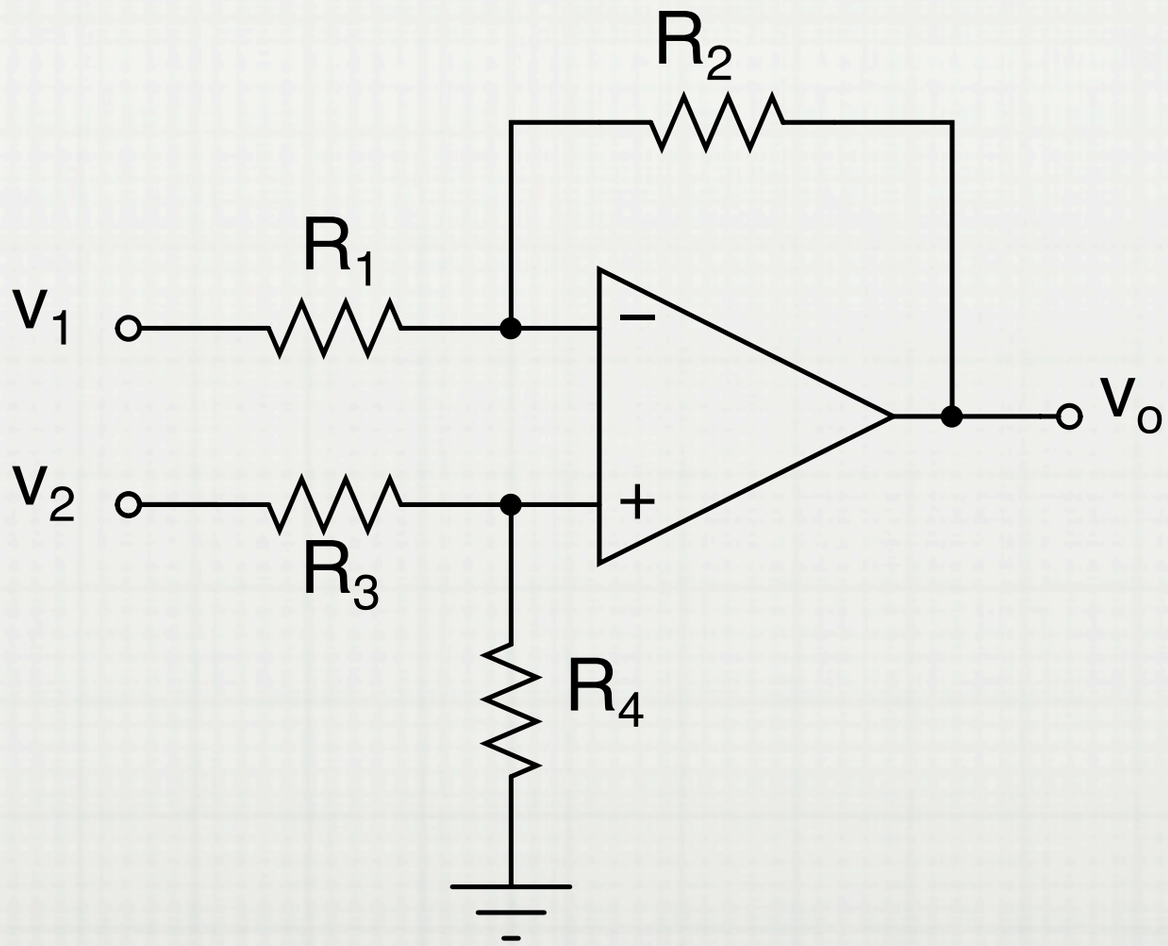
BUFFER AMPLIFIER



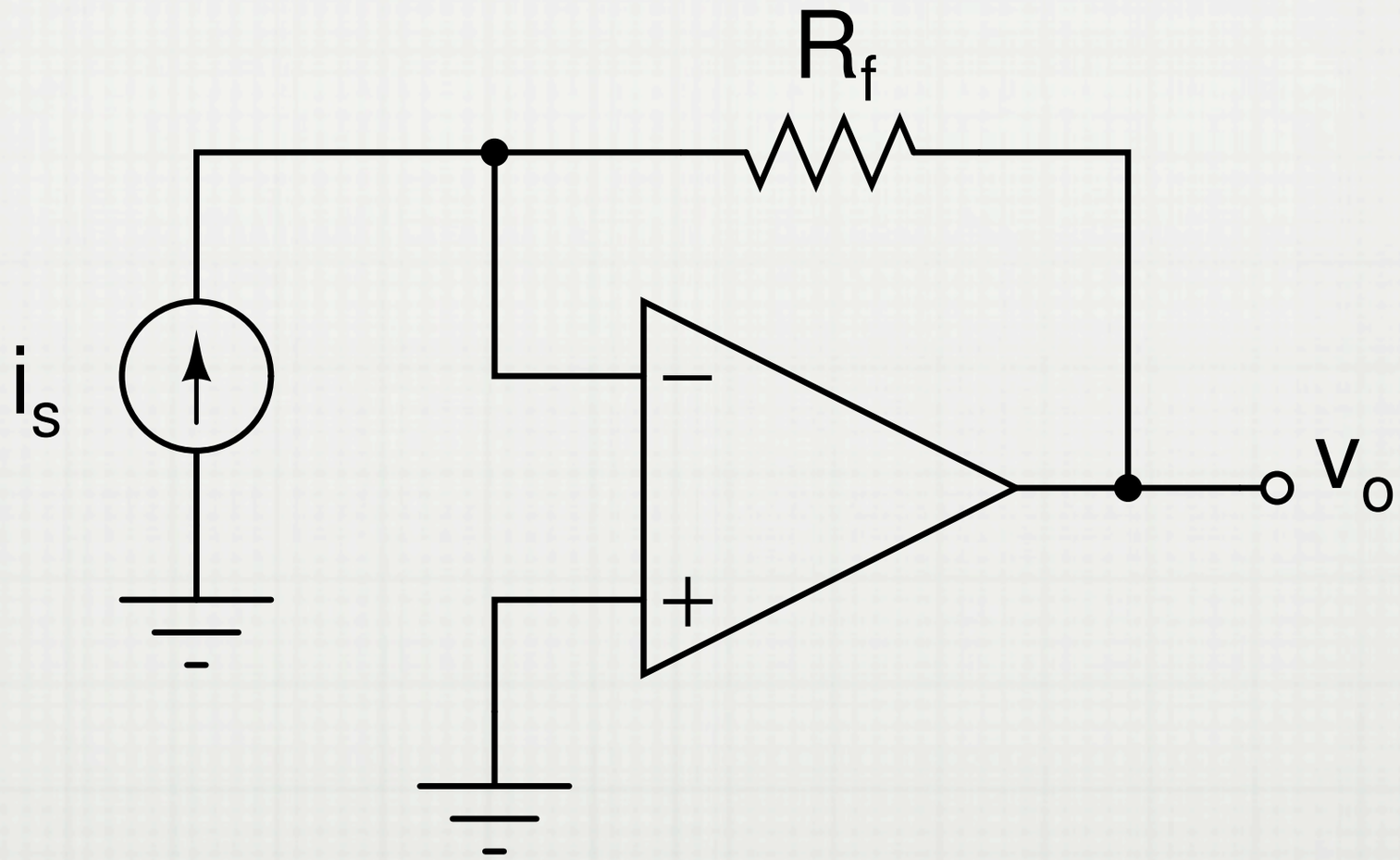
SUMMING AMPLIFIER



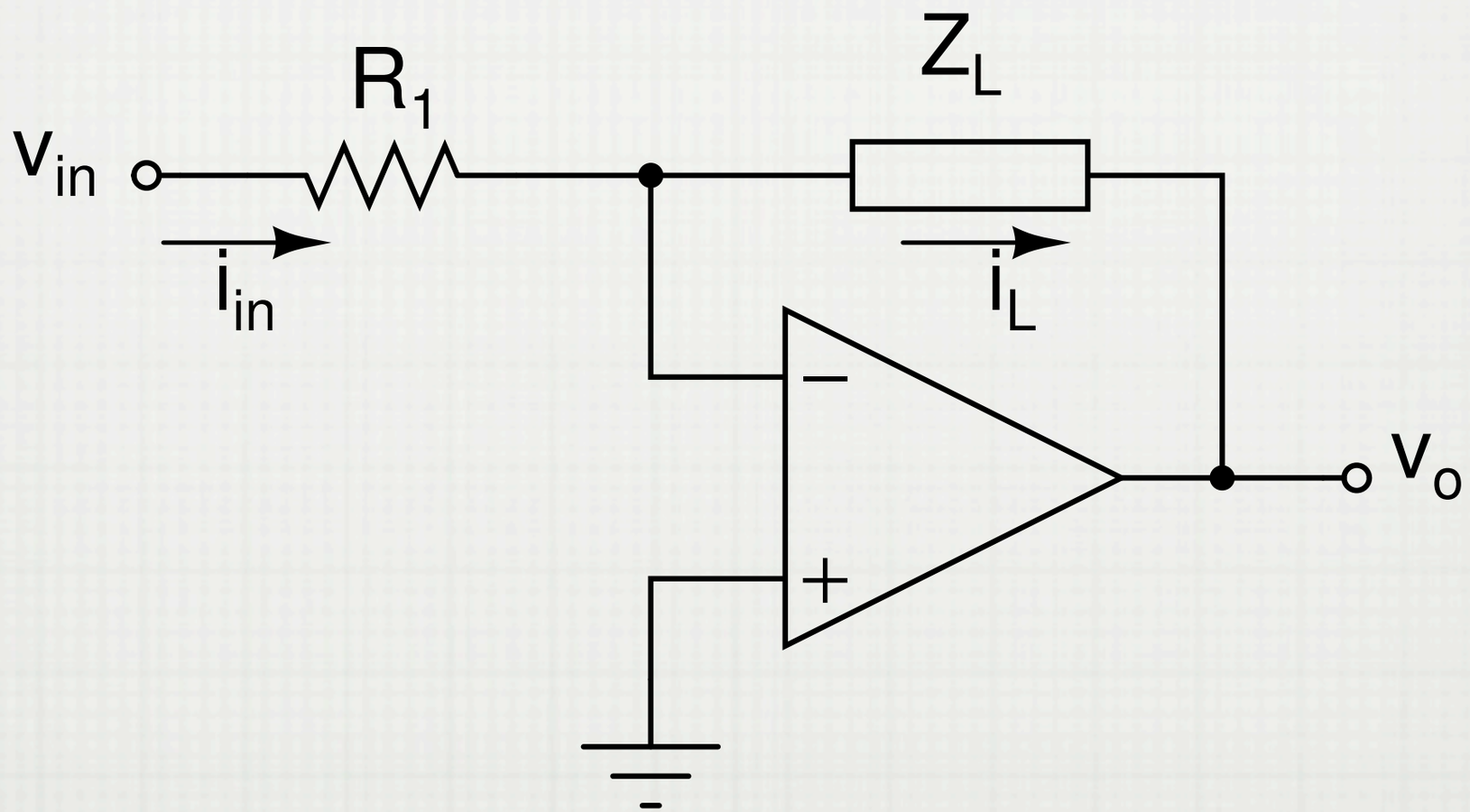
DIFFERENCE AMPLIFIER



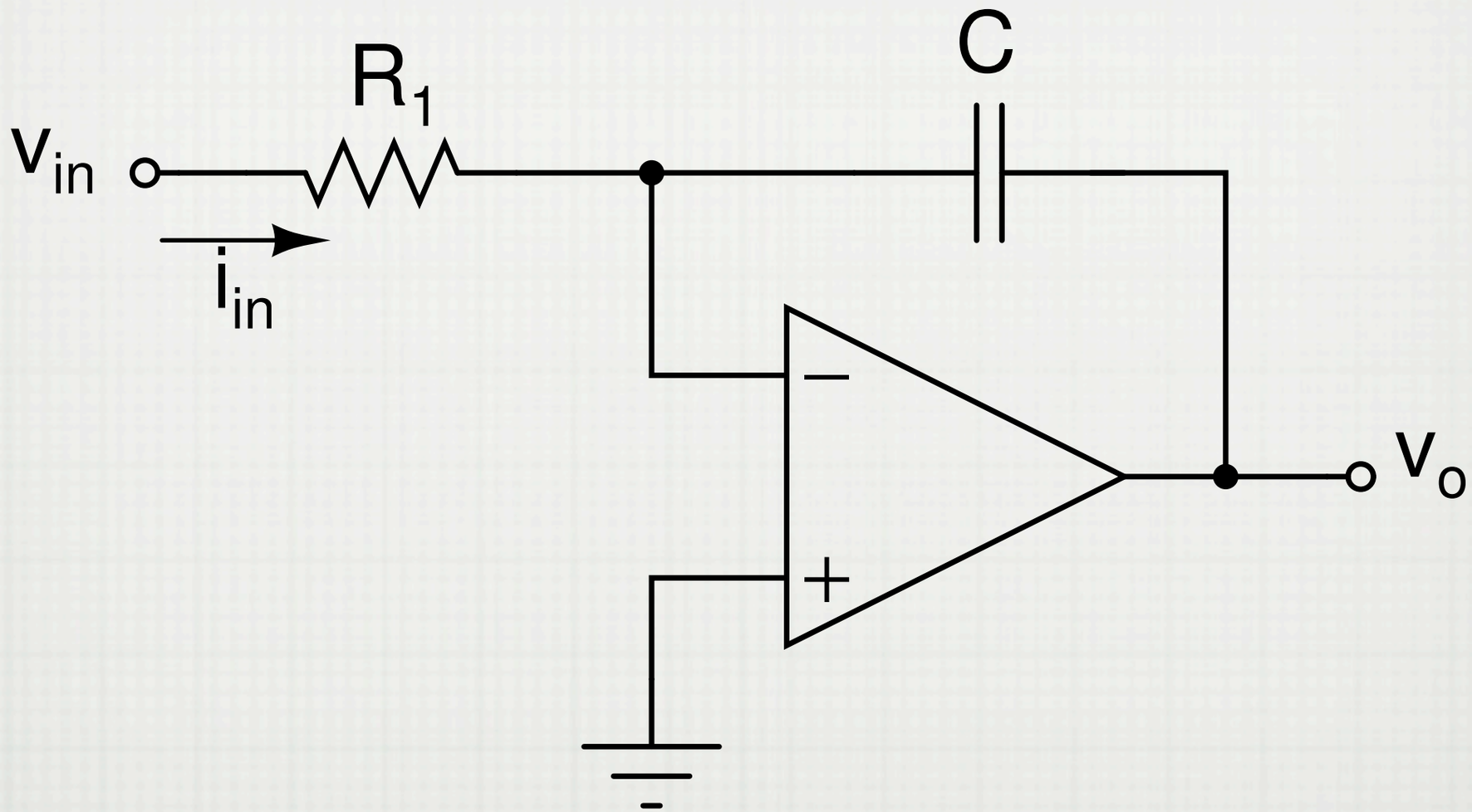
I-V CONVERTER



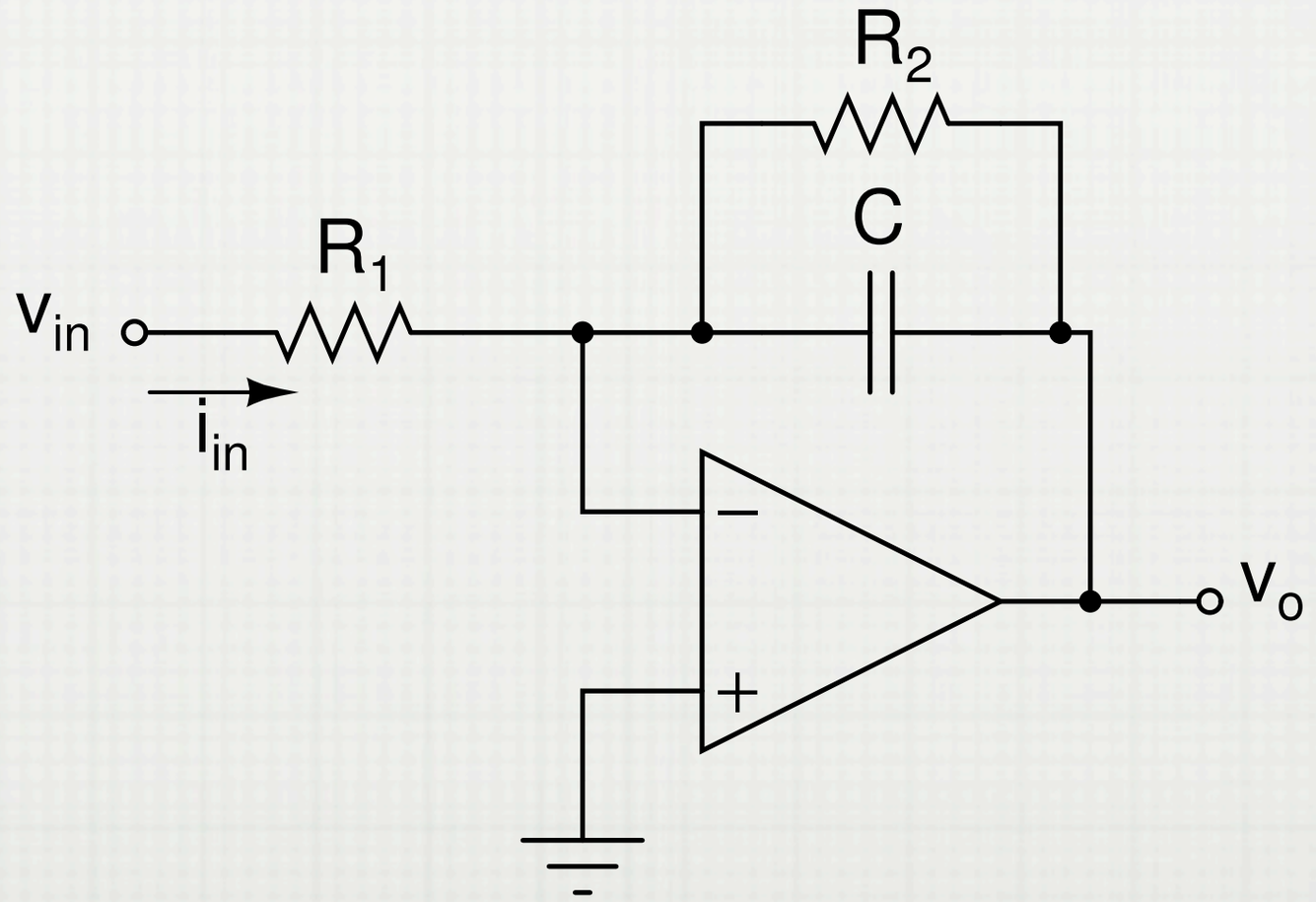
V-I CONVERTER



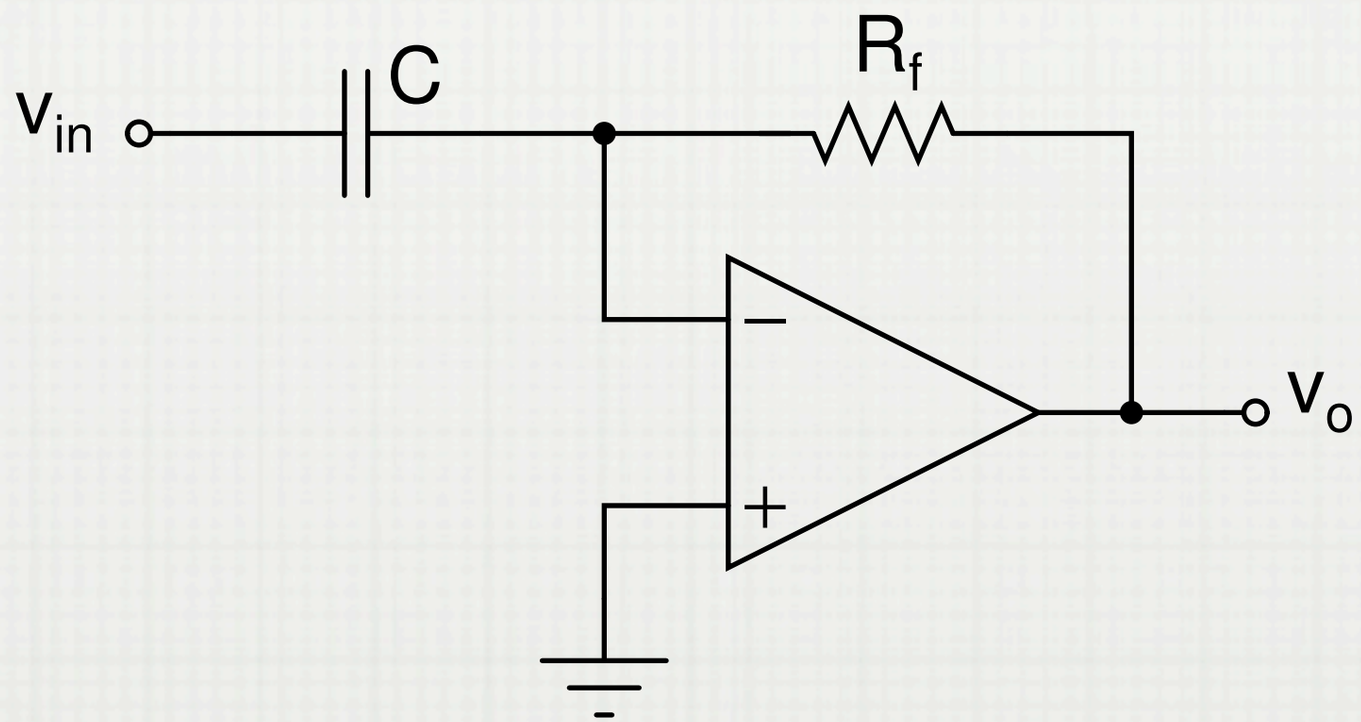
INTEGRATOR



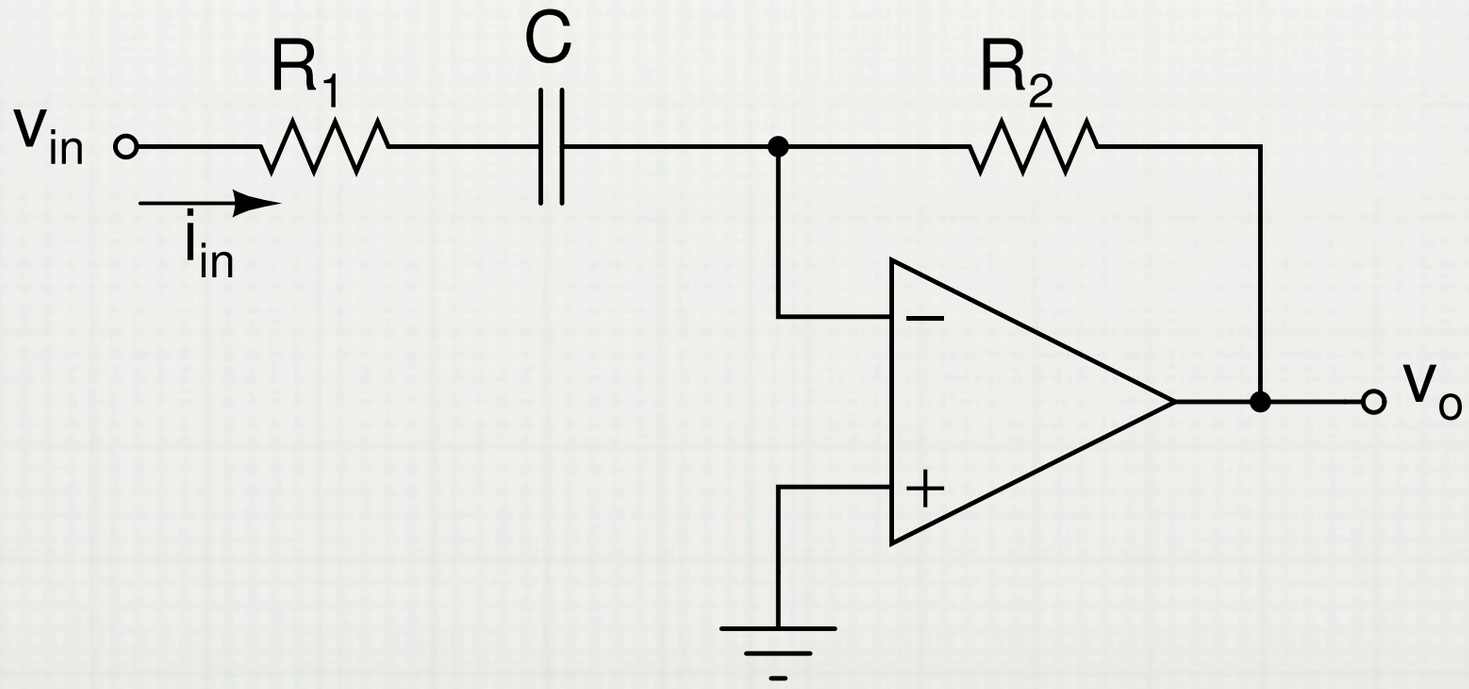
LOW-PASS FILTER



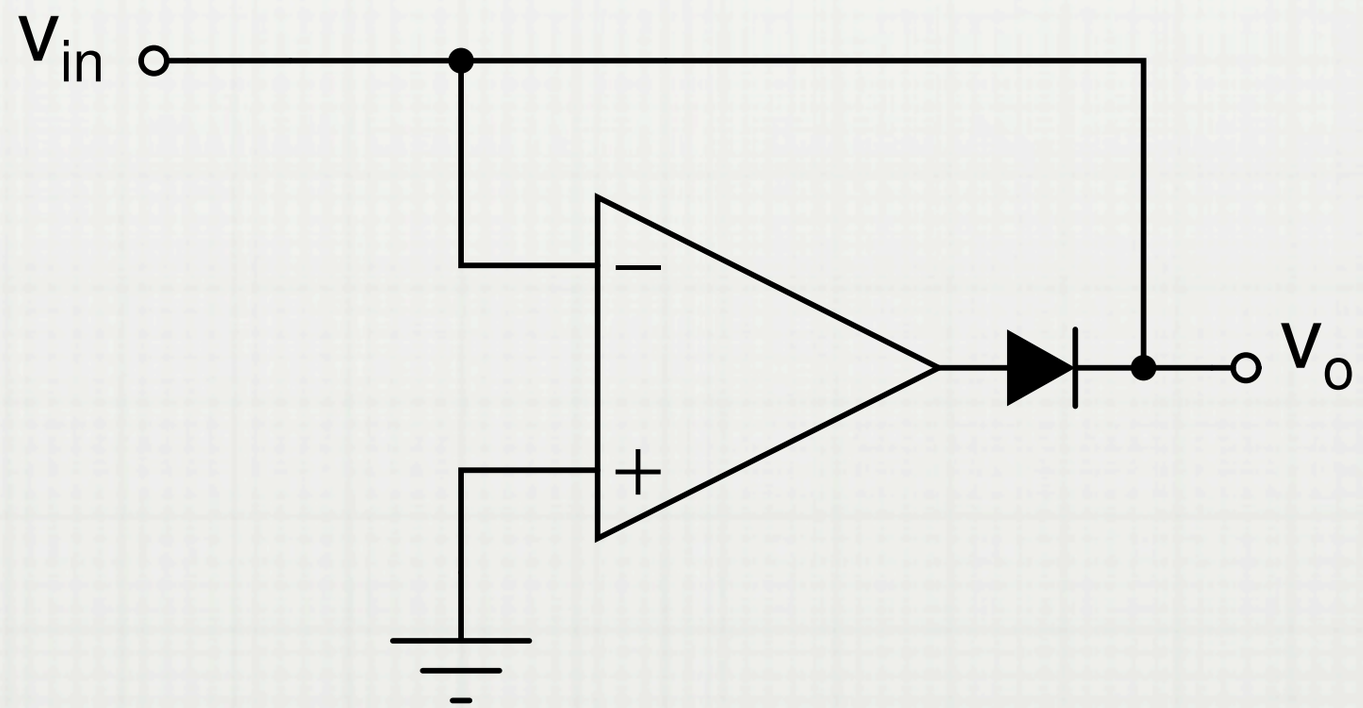
DIFFERENTIATOR



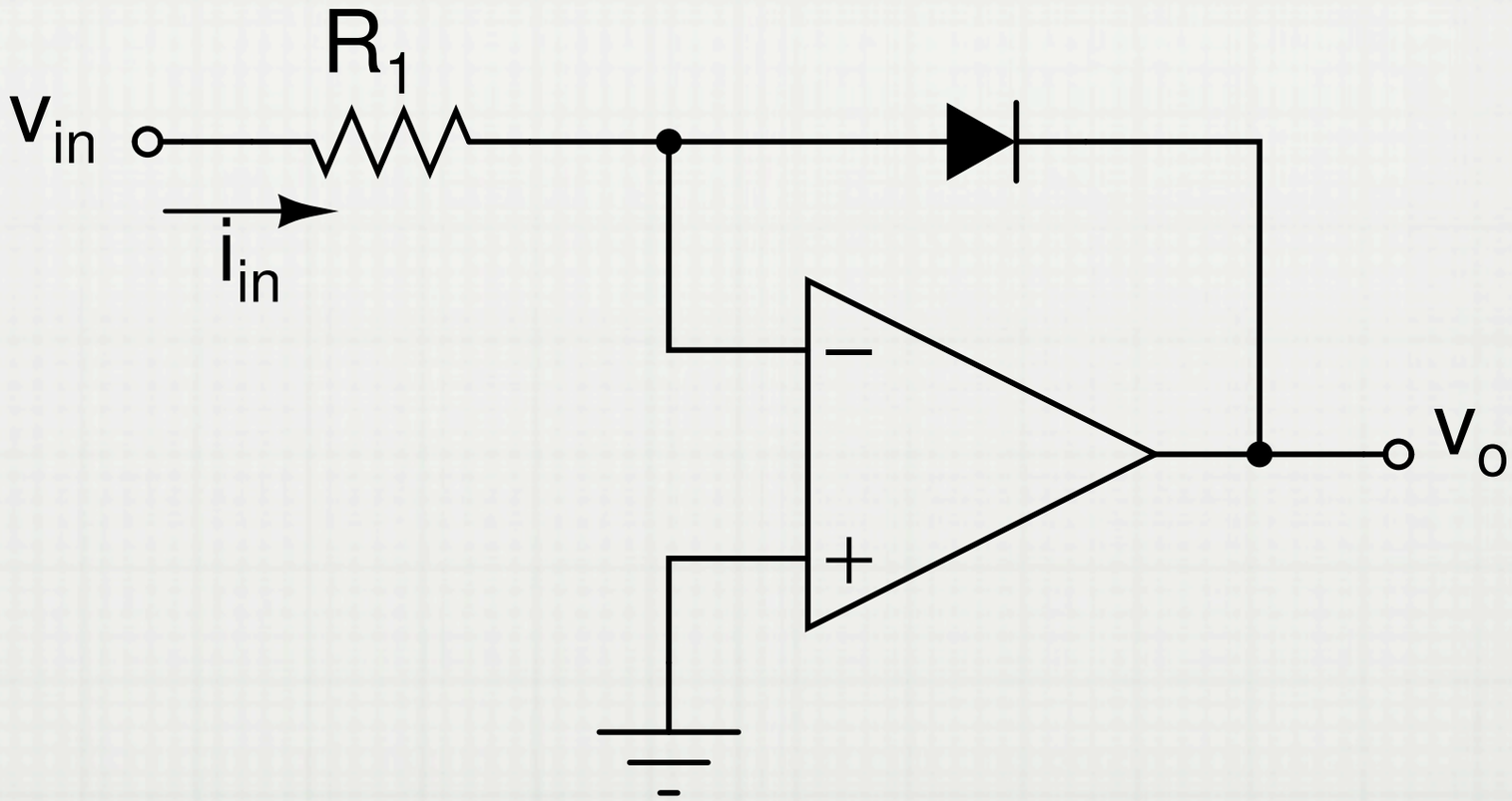
HIGH-PASS FILTER



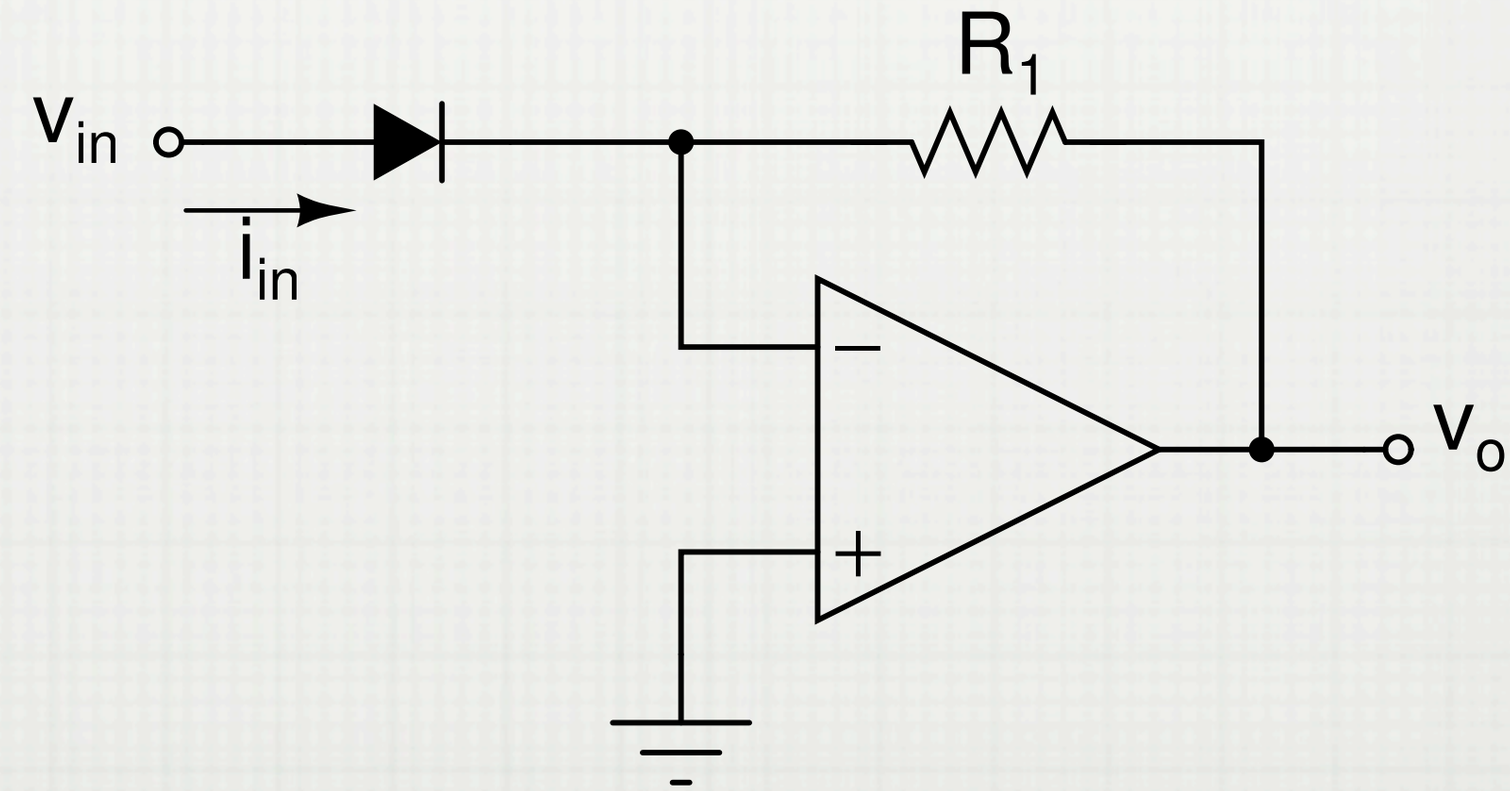
PRECISION RECTIFIER



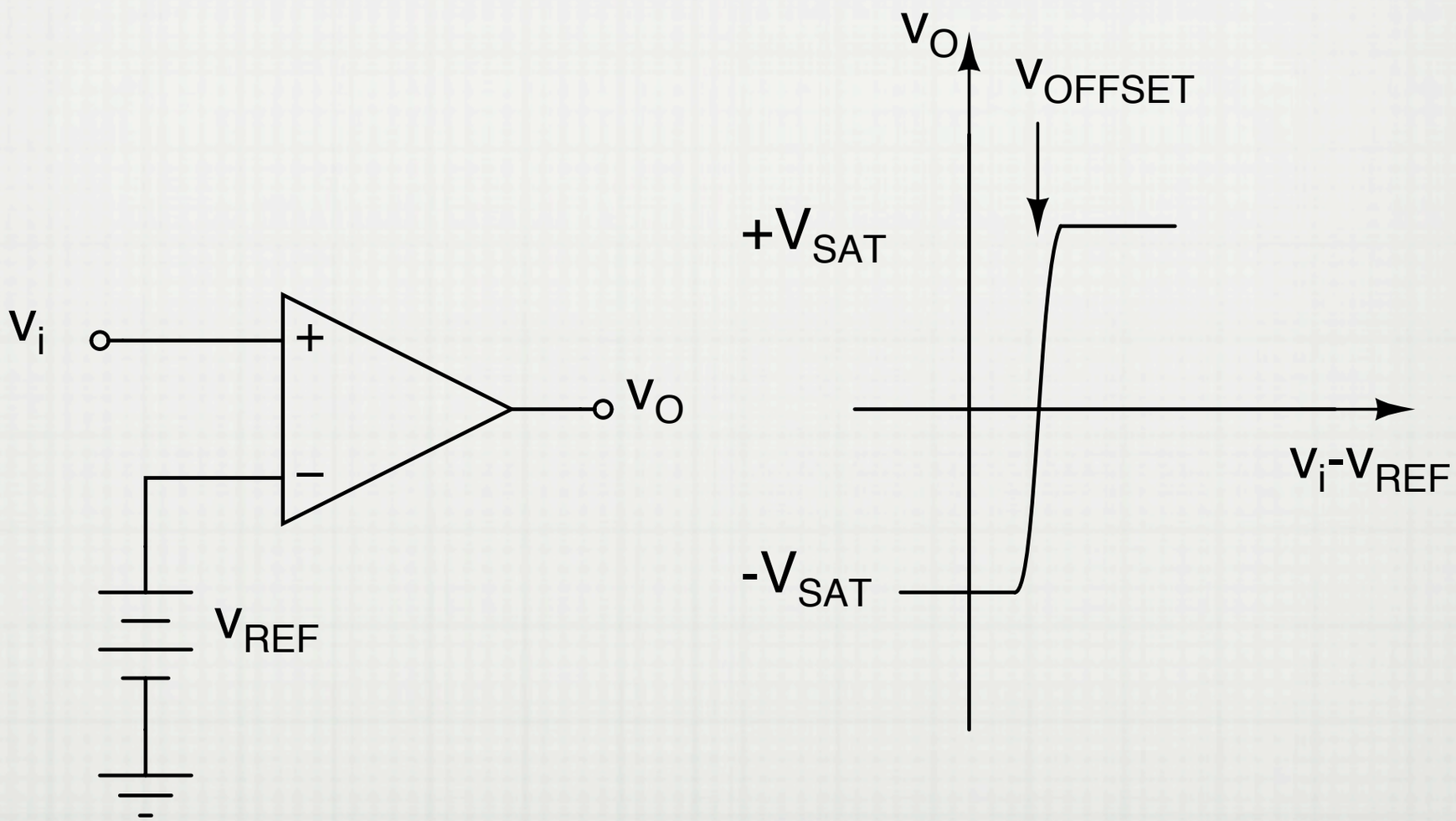
SIMPLE LOG CONVERTER



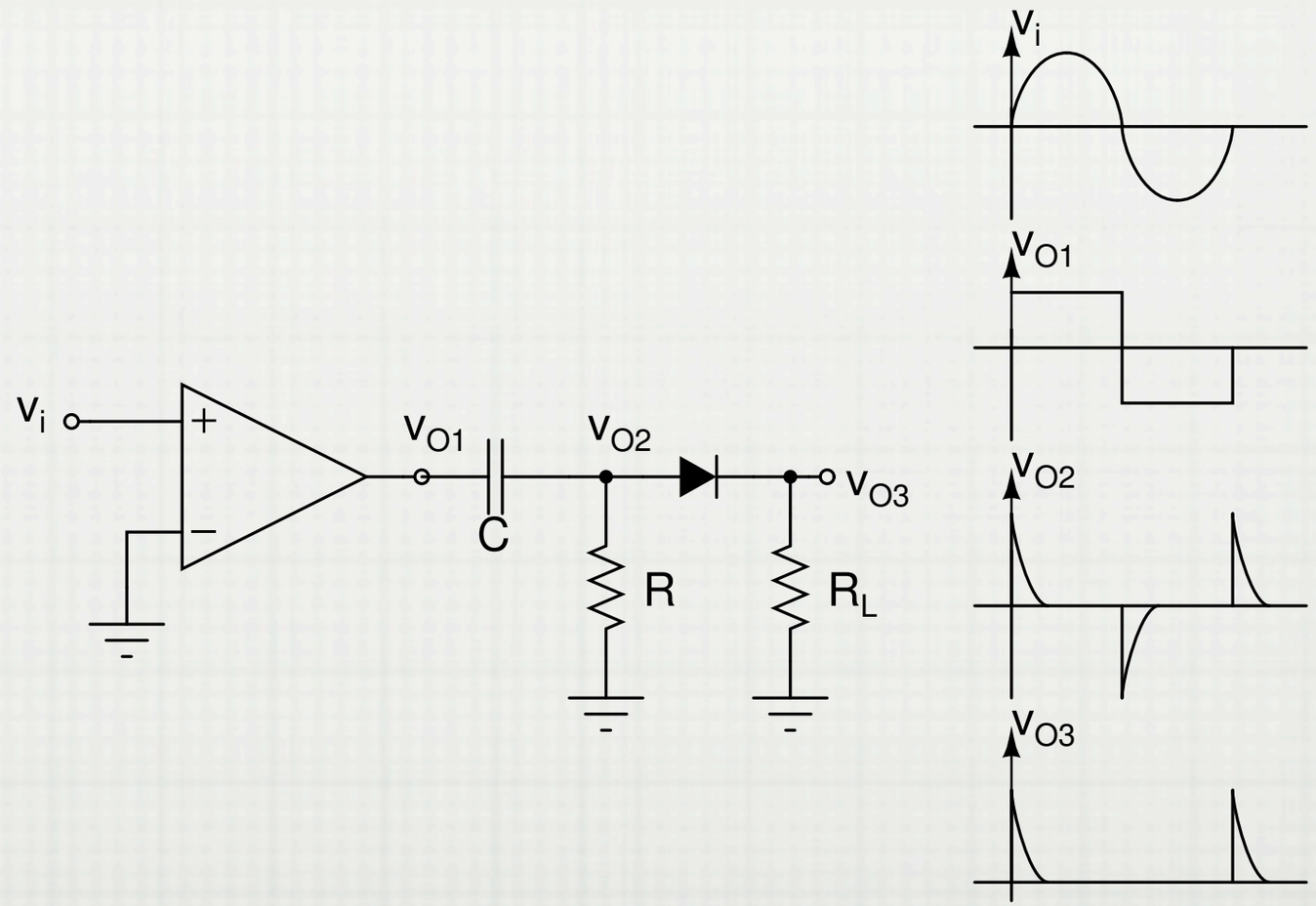
ANTILOG CONVERTER



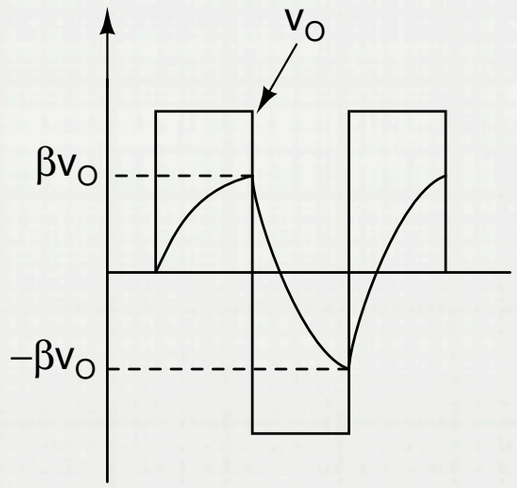
COMPARATOR

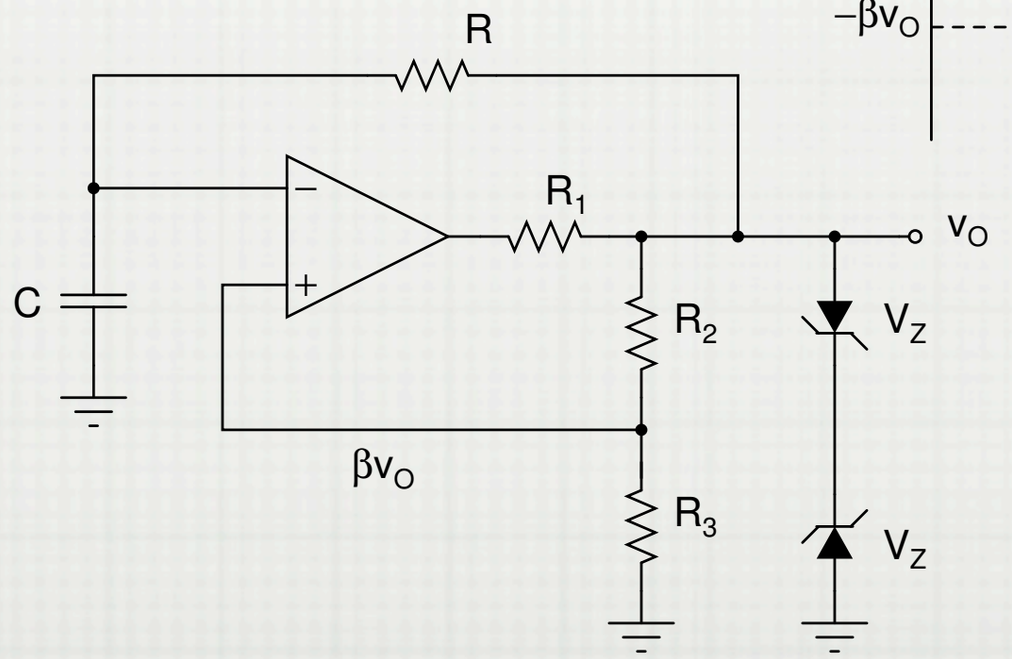


ZERO-CROSSING DETECTOR

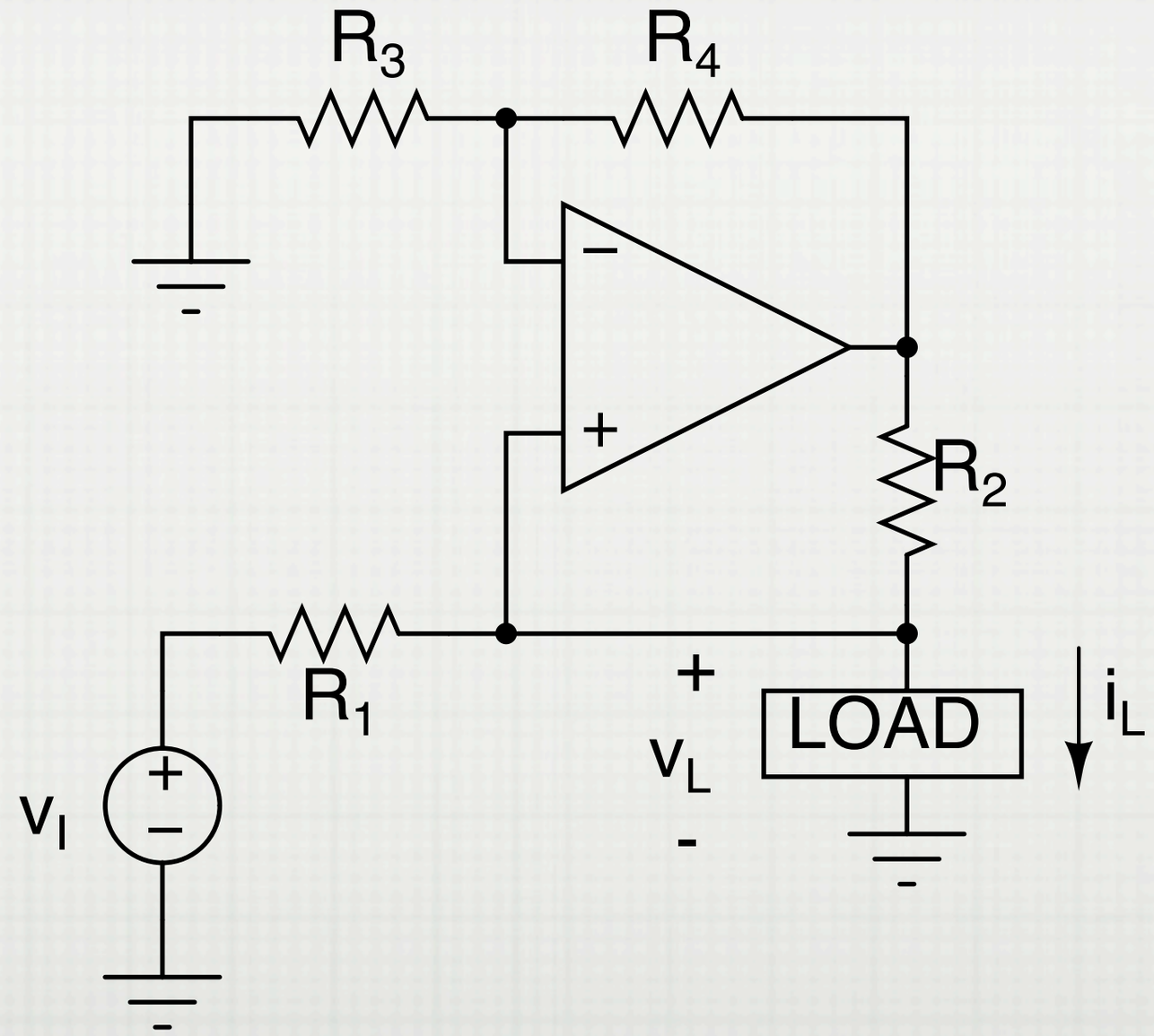


SQUARE-WAVE GENERATOR

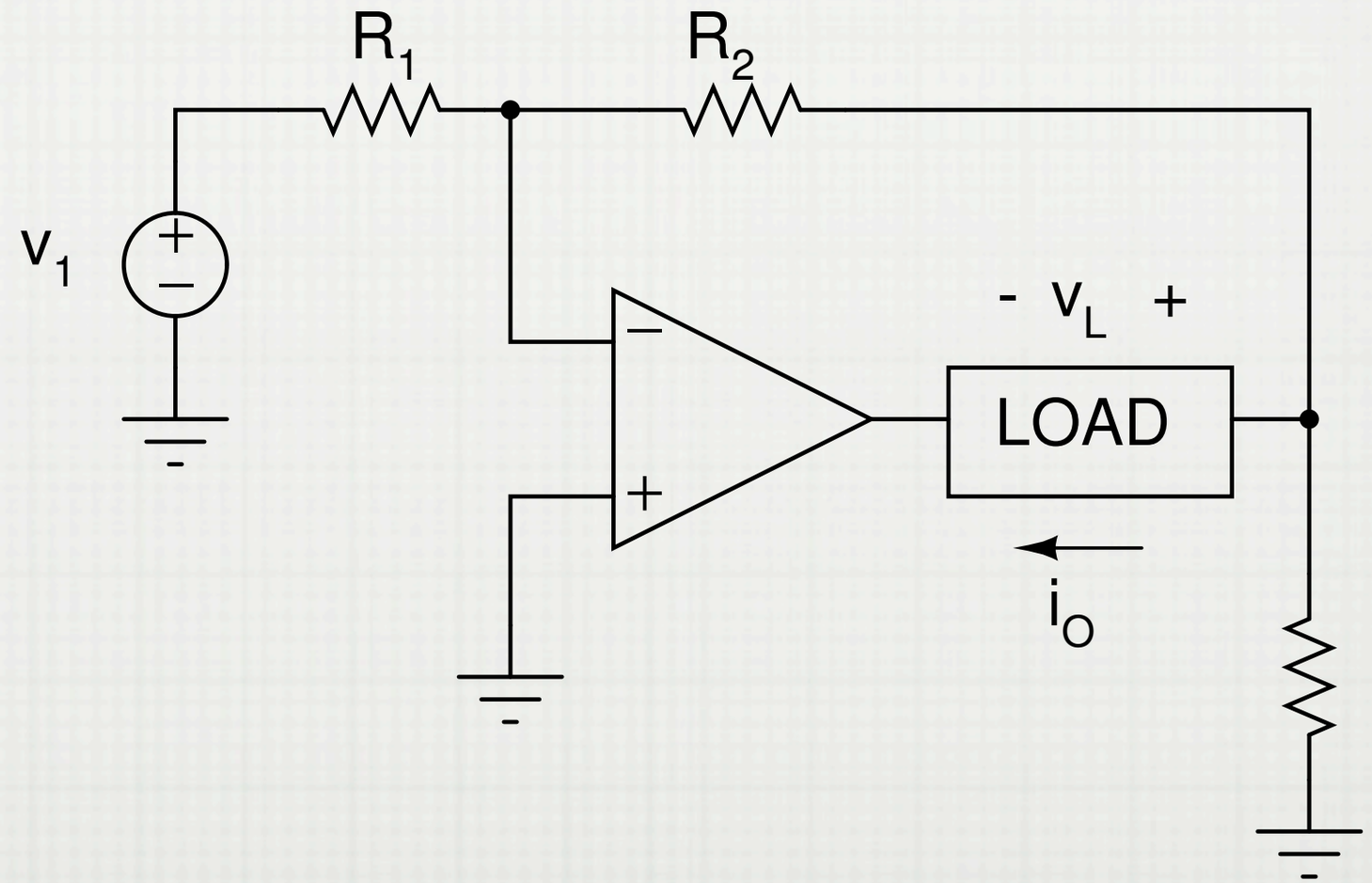




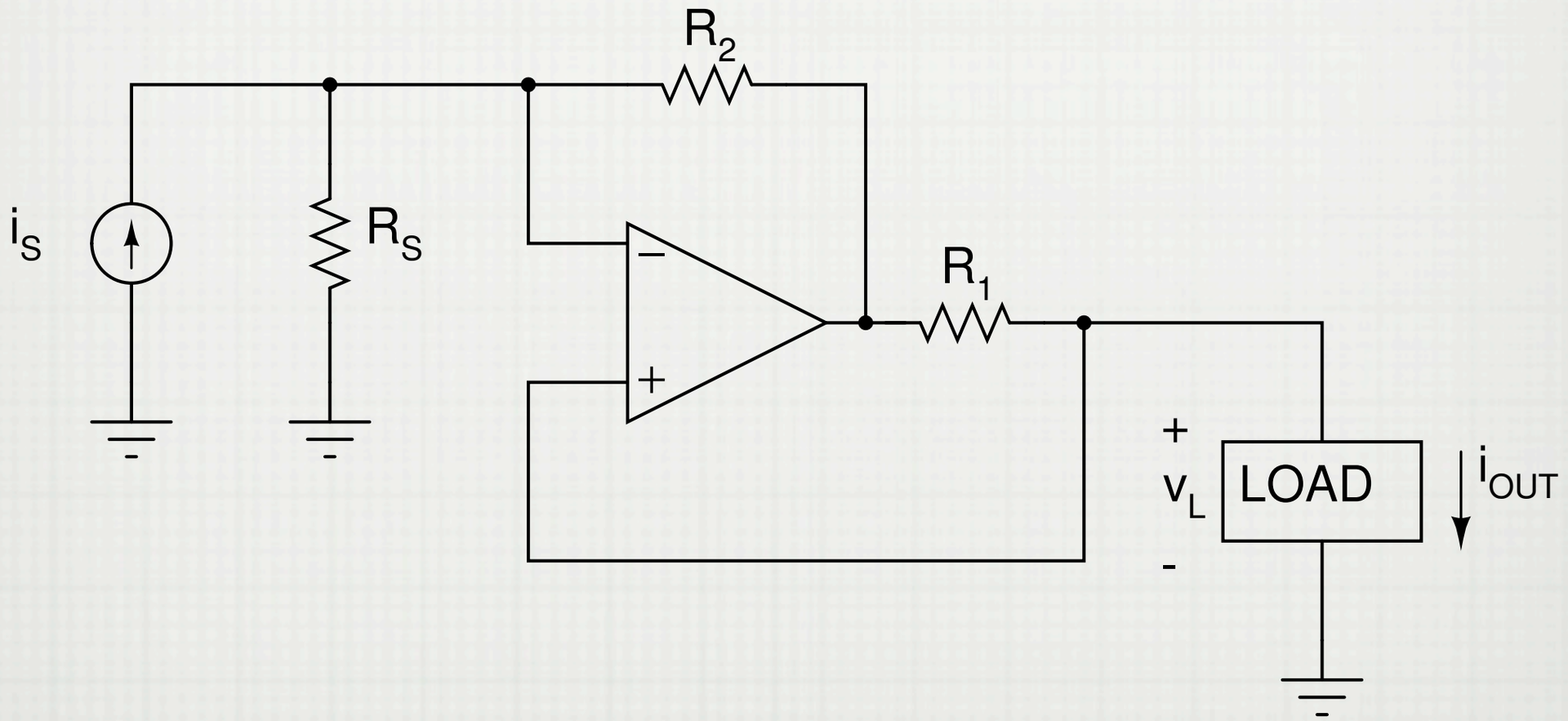
HOWLAND CURRENT PUMP



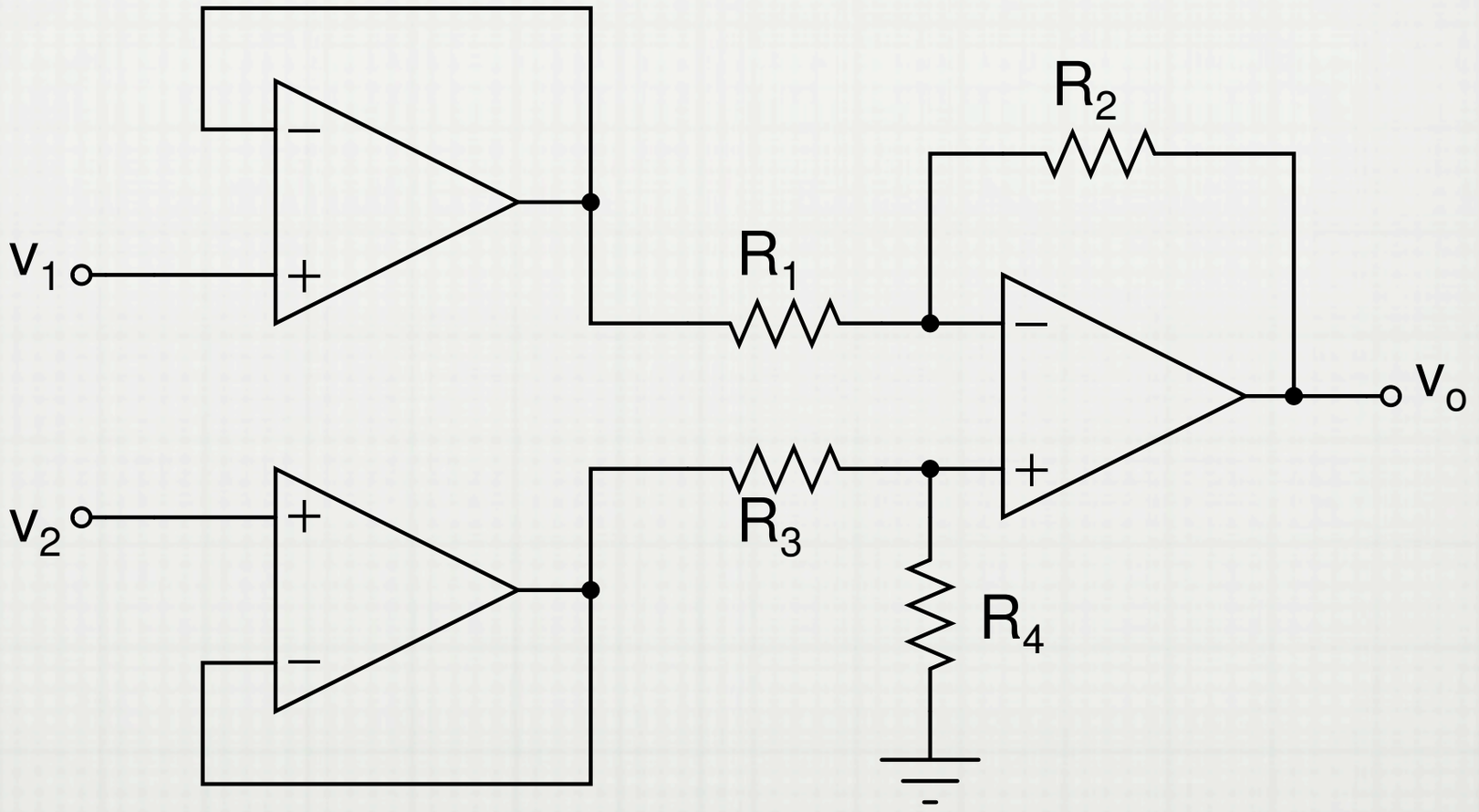
FLOATING LOAD V-TO-I



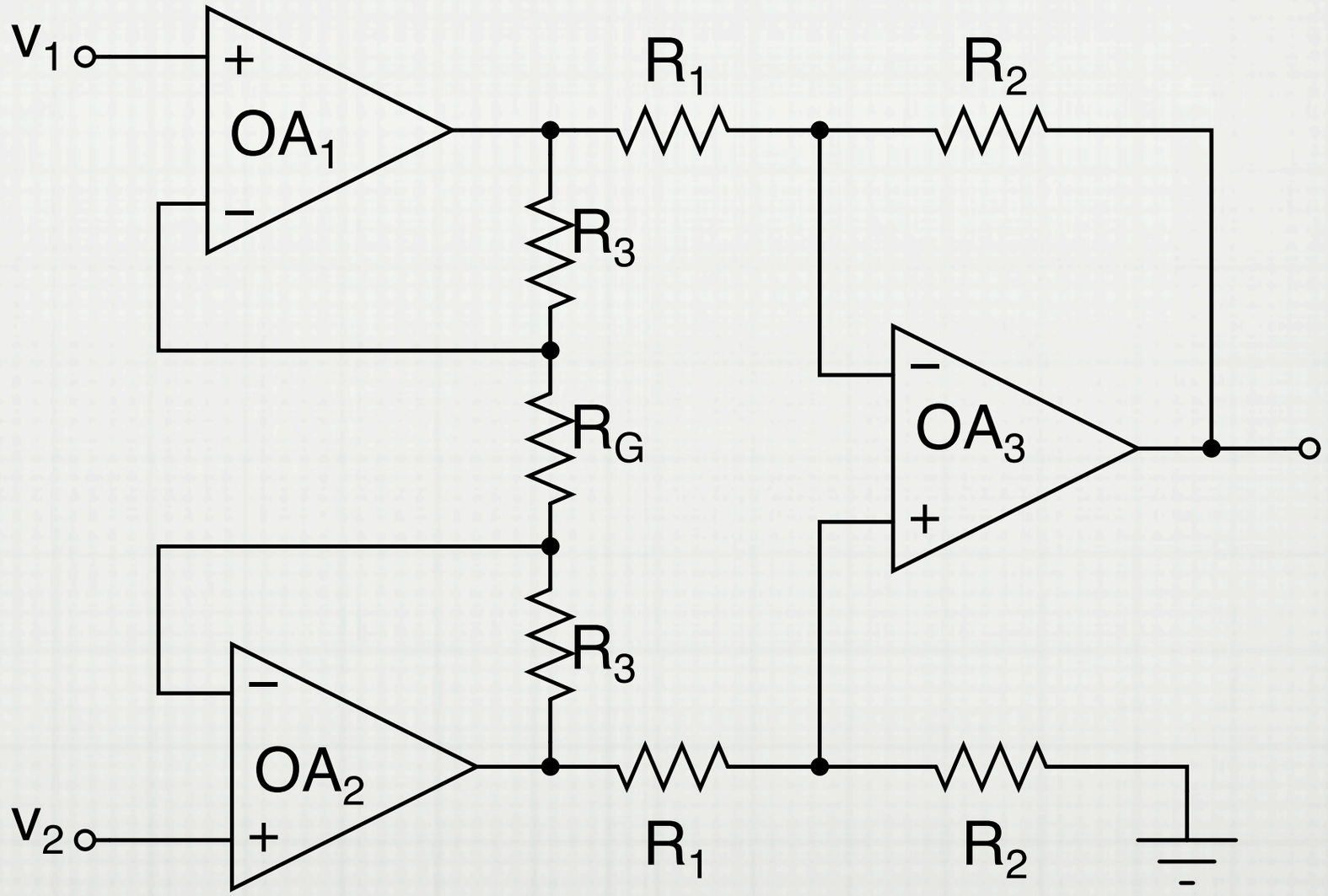
GROUNDED-LOAD CURRENT AMP



INSTRUMENTATION AMPLIFIER



TRIPLE-OPAMP IA



DUAL-OPAMP IA WITH VARIABLE GAIN