

Experiment 03: Study of Operational Amplifiers

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1 Aim

- Study of op-Amp as inverting and non-inverting amplifiers.
- Study of application of op-Amp as adder and subtractor.

2 Theory

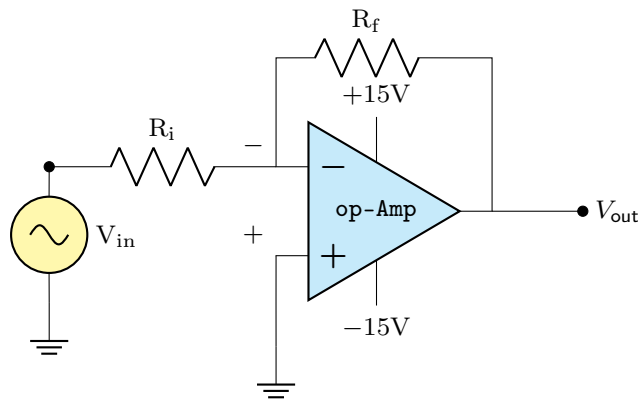


Figure 1: Circuit diagram for an inverting op-Amp

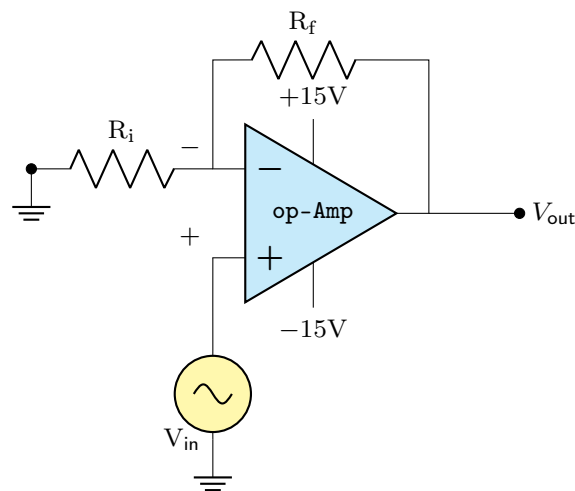


Figure 2: Circuit diagram for a non-inverting op-Amp

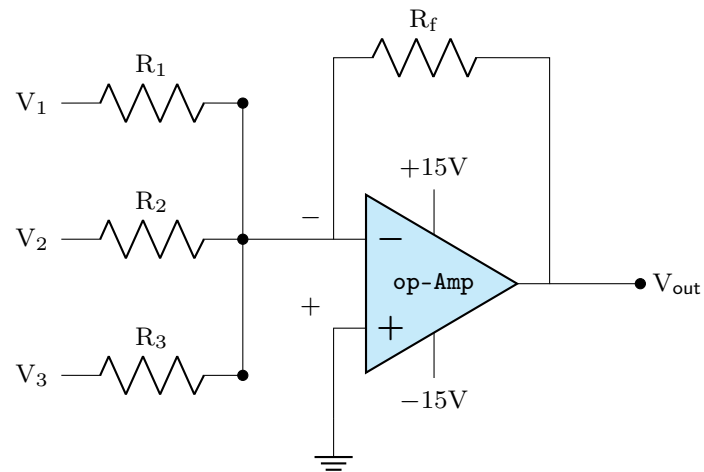


Figure 3: Circuit for op-Amp as an adder

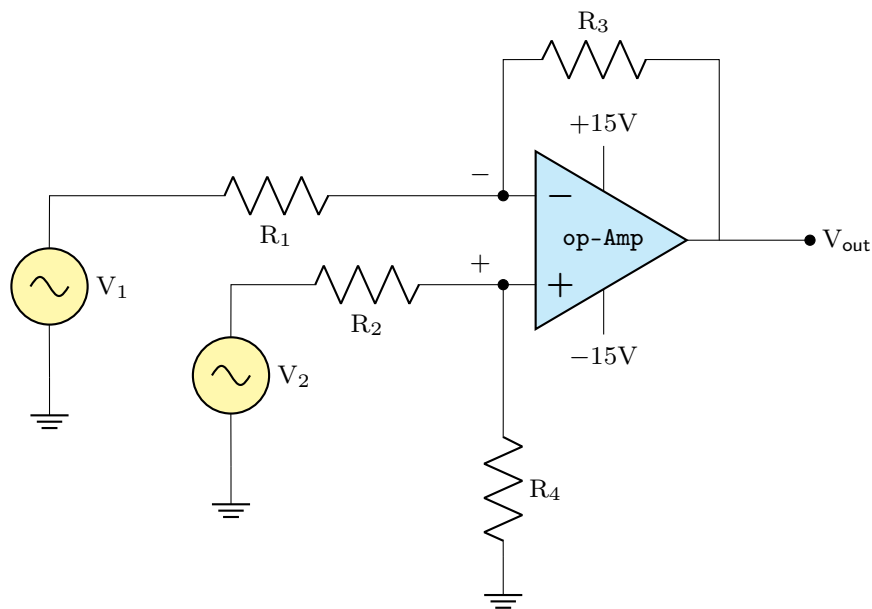


Figure 4: Circuit diagram for an op-Amp as a subtractor

3 Data and Calculation

4 Sources of Error

5 Discussion and Conclusion