

ELG4139 Lab 3: Operational Amplifier Characteristics

Objectives: To study the characteristics of inverting amplifier based circuits.

Case 3: Inverting Amplifier Based Circuit (Multisim and Hands-on)

1. Calculate the voltage at the output of the circuit (zero and span converter).
2. Build the circuit and measure the output voltage.
3. Calculate the output voltage when $E_{in} = 0$.
4. Calculate the new values for R_{i1} and R_{i2} so that $E_{in} = -0.1$ V and $E_{out} = 0$ V.

