

Circuits Lab

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$$R_2 = 40\ \Omega$$

1. Purpose

The goal of the exercise was to use Kirchhoff's rules to analyze 7 different circuits and calculate current, voltage, and power through each circuit element. For the first 4 circuits, the voltage and current calculations were compared to results obtained using an online circuit simulator.

2. Results

3. Conclusion

4. Citations

- [1] Karen Schnurbusch, *Physics 4B Lab Book*, Mt. San Antonio College, 2023, pp. 71-74.
- [2] Karen Schnurbusch, *Physics 4B Equations*, Mt. San Antonio College, 2023, pp. 4, 5.