

Lab 1 - PN Junction

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1 Introduction

In this lab we build a simple circuit utilizing a diode and a resistor to measure and analyze the performance of the diode under different conditions. Before we take measurements of the circuit, we solve for the voltages and current through the circuit in a few different ways and then compare our results. We will test our circuit with a few different voltages to see how the components respond.

2 Theory

3 Graphical Analysis

4 Results

5 Conclusion

6 Extra Thoughts