

Introduction to Electrical Engineering

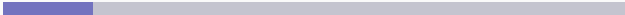
Fundamentals, Applications, and Future Directions

Damien Thérourx

October 26, 2024



Overview of Electrical Engineering



What is Electrical Engineering?

Electrical Engineering is a branch of engineering that deals with the study and application of electricity, electronics, and electromagnetism.



Key Areas of Electrical Engineering

- **Control Engineering**



Fundamental Concepts

- **Voltage, Current, Resistance**



Fundamental Concepts

- **Voltage, Current, Resistance**
- **Ohm's Law**



Fundamental Concepts

- **Voltage, Current, Resistance**
- **Ohm's Law**
- **Circuit Analysis**



Electrical Engineering plays a vital role in various sectors, including telecommunications, power generation, and consumer electronics.

Career Opportunities

- **Power Systems Engineer**
- **Electronics Engineer**
- **Control Systems Engineer**
- **Telecommunications Engineer**

Feel free to add or modify any sections!

