Optics Simulation in Python

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1. Introduction

This document outlines the implementation of optics concepts using Python...

2. Optics Basics

This section on Optics Basics does what it says on the tin. Here, I will introduce basic optics concepts in a way that is applicable to those without any Physics knowledge and targeted as a resource for teaching children ages 9+ about Optics.

2.1. What is light?

2.2. Reflection

2.2.1 Reflection Theory

2.2.2 Reflection Simulation

2.3. Refraction

2.3.1 Refraction Theory

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2.4. Lenses

3. Intermediate Optics

4. Advanced Optics

4.1. Fourier Optics

5. Optics Even I Don't Understand

6. References

- Author, Title, Year...