

# Experiment 9 — Finding the speed of light with microwave optics

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15 March 2019

## 1 Introduction

## 2 Experiment

### 2.1 Part I: Finding factors affecting intensity of microwaves

### 2.2 Part II: Measuring the wavelength $\lambda$ of microwaves

#### 2.2.1 Standing waves method

#### 2.2.2 Double-slit interference method

#### 2.2.3 Single-slit interference method

## 3 Conclusions