

THEORY

1. INTRODUCTION

The purpose of this experiment is to determine the acceleration due to gravity g by using a simple pendulum. The period of oscillation T of a simple pendulum is given by the equation

$$T = 2\pi \sqrt{\frac{L}{g}}$$

where L is the length of the pendulum and g is the acceleration due to gravity. By measuring the period T for different lengths L , the value of g can be determined.

2. APPARATUS

Sl. No.	Particulars	Remarks
1.	Simple Pendulum	
2.	Stop Watch	
3.	Steel Scale	
4.	Support	
5.	Bob	
6.	Thread	

PROCEDURE

EXPERIMENT

