

PHS 292

Experiment:1

Aim: Specific Heat Capacity of a liquid by the method of Cooling

Apparatus: A copper calorimeter, Thermometer. Stop Watch and the given liquid Bunsen burner.

Experiment:2

Aim: Determination of Moment of inertia using a bifilar suspension

Apparatus: Two heavy stand and clamps, two threaded corks, meter rule, brass rod, stop watch, spirit level.

Experiment:3

Aim: Determination of the Viscosity of a given Liquid by Stokes' Method

Apparatus: A tall jar, given liquid, small steel balls, stop watch and a scale.

Experiment: 4

Aim: Determination of the Specific Heat Capacity of a bad conductor

Apparatus: Copper calorimeter with stirrer (of thick copper wire), double-walled enclosure with cold water between the walls, thermometer reading $1/10^{\text{th}}\text{C}$, stop watch, steam heater, and a piece of rubber (e.g. large rubber stopper).

Experiment: 5

Aim: Refraction through a Triangular prism

Apparatus: Prism, drawing board, pins and protractor.

Experiment: 6

Aim: Verification of Ohm's Law

Apparatus: Battery, rheostat, Ammeter, Voltmeter, two (2) standard resistors in series and unknown resistor.