

Experiment - 5 Section B

Aim: To determine the angles of minimum deviation for a given glass prism by plotting a graph between the angles of incidence & angle of deviation.

Apparatus: Glass prism, drawing board, pins, drawing pins, white paper sheet, meter scale & protector.

Theory and Formula Used:

The refractive index of the material of the prism is given by

$$\mu = \frac{\sin \left(\frac{A + \delta_{\min}}{2} \right)}{\sin A/2}$$

Procedure: As performed in physics lab.

Calculations:
$$\mu = \frac{\sin \left(\frac{A + \delta_{\min}}{2} \right)}{\sin A/2}$$

Practical Physics

SA Adler



Practical Physics:

Practical Physics Robert Andrews Millikan, Henry Gordon Gale, 1922 Laboratory Experiments in Practical Physics, to Accompany the Revised Edition of Black and Davis' "Practical Physics" Newton Henry Black, 1923 A Text-Book of Practical Physics (Classic Reprint) William Watson, 2017-12-14 Excerpt from A Text Book of Practical Physics The following pages are intended to serve as a book of reference to the student working in a physical laboratory The experiments described are not intended for a beginner but are suited for a student who has already spent a little time in the laboratory and worked through a more elementary course of experiments such as those described in the author's Elementary Practical Physics It is not intended or expected that any one class will work through all the experiments described in this book but that the teacher will select those which he considers most suitable being guided by the requirements of his pupils and the resources of his laboratory It is however hoped that teachers and students will find that all the experiments which can be performed with advantage in a laboratory having the ordinary equipment are described About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books Find more at www.forgottenbooks.com This book is a reproduction of an important historical work Forgotten Books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy In rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition We do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works

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