

Find the angles of deviation ( $d$ ) corresponding to various angles of incidence and draw the  $i$ - $d$  curve. To determine the refractive index of the material of the prism.

Table below summarises the main characteristics of the ID28 Beamline with the 7-m arm:

Spectrometer - Refractive Index from  $i$ - $d$  Curve Study & Travel with Sheeba NH 5.36K subscribers [Subscribe](#)

Consider  $ab$  is the incident ray of light on one face of the prism.  $i$  is the angle of incident and  $d$  is the angle of deviation. Basic idea to set the incident angle is the "angle of incident and angle of reflection ...

This experiment deals with the study of variation of angle of deviation ( $d$ ) with angle of incidence ( $i$ ) using a prism and spectrometer and to draw the  $i$ - $d$  curve.

33.SPECTROMETER -  $i$   $d$  Curve: Prof. Charly Kattakayam Department of Physics, Devagiri College Calicut 7.26K subscribers [Subscribe](#)

There are three main components in all spectrometers; these components can vary widely between instruments for specific applications and levels of resolution.

Experiment aims to investigate the relationship between angle of incidence " $i$ " and angle of deviation " $d$ " using a glass prism and a spectrometer. The goal is to derive the refractive index of the ...

Procedure : After the preliminary adjustments of the spectrometer, telescope is focused directly to see the image of the slit. By working on the tangential screw, vertical cross wire is made to coincide with ...

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