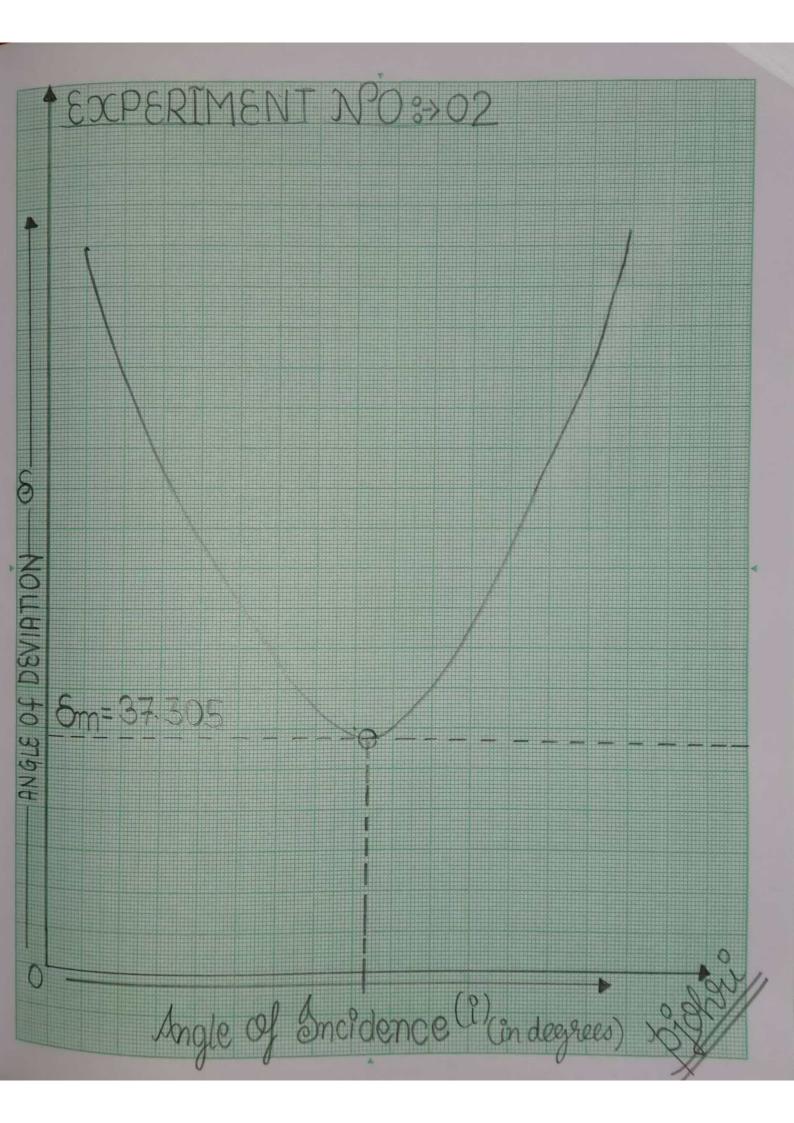


Angle of Paism Angle of deviation ANGLE OF DEVIATION (6) INGLE OF INCIDENCE (2)



Experiment Name / No.: 02 Camlin | Page No. 19/01/2020 hen light John O coming in a Straig wards X. But because backwards, I got angle of deviation ticular angle of modernce i. St siem Boent 90 to grount y aleen And When we plot a graf and angle of de late as we increase the demation first decreases hat angle is known as single of min demali on which depends evon the ancidence. Least count of the spectrometer :-> Least count of an instrument gives the manamum measurement that can be fraken from that 18t9ument east court of Spectromeley 37

Experiment Name / No.: 02	Camlin   Page No.  Date   9   0     2020
(ZMSD)	Ceastcourb
No of divisions on Vernier & cale	
	THE F 200 4 0 =
9/3 20 MoSoD = 10°9	21012
80 1 M 2 N - (102	Mary Month
200	X KN 295
No of dévessions on leunieurs	ale:>30
0	
Decot court - 2 ) = 1 minute	8+00) 912 = H
(60)	
9/1	21/8/2
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	TAMEN AND STATE
	30,917,1111111111111111111111111111111111
	(108) (1) (1) (1)
CIE;	HEM AFOREM
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Towar	a Dail
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25	
The Sale of Anna Agentia Di	
	Teacher's Signature:

Observation:-> 1) Determination of the Least count of the Spectrometer.							
Seast count= 1MSD/moof divisions on vernier &cale) As 20MSD=10°  \[ \lambdo (0) = 0° \] \[ \lambdo (0) = 1MSD \]							
No of diulsions on Pleynion Scale = 30 Least count = (1) = Iminute = 19							
2) Longle of Poism should be Laken as 60°  30 Rays of Light parallel through a collimator.							
S. NO TELESCOPE in degree DIRECT READING Defferen Martice Defferen Moral-MSR+(L-C*VSR) Total-MSR+(LC* between Mar two comos Grown Comos Gr							
1) V <sub>1</sub> 75 V <sub>2</sub> 255		75:33 255:30	112		112.43		
2° V1 76 V2 257		76·93 257-23		0.73	114.73	37.8	37.305
3.) VI 76 V2 256		76·20 256·16		0.66	113.66	37.46	

Calculations: Mean 37.1+37.5+37.8+36.8+37.46+37.17 = 37.305 (Sm) mean l= Sin (A+Sm (A=Angle of Prusm) 5m= Progle of mino li= Sin (60+37.305)  $Sin\left(\frac{60}{2}\right)^{\circ}$ L=Sin (48.6525°) Sin (30°) 0.750716713 = 1.501433427 Result 3> The Refractive Index of the Prism using Spectromeney comes out to be

Experiment Name / No.: 07 Camlin | Page No.

Date | 9 | 0 | 12020 efnactive Index of lue-Exact value Exact value lescope must lie focussea

Experiment Name / No.: 02	Camlin   Page No. Date   9101 12020
3) Readings of the vernier scale should &	Wetakero
4) Prism table should be levelled with level liefore pracing presm.	h aspirat
10	
15	
20	
	000//
25	
Teacher's Sign	ature: