Experiment Name: To determine the refractive index of a prism using a spectrometer.

Experimental Data:

Table1: Angle of minimum deviation (∂_m)

Vernier Number	No. of Observation	Readings for minimum deviation position				Readings for Direct position				mum dev ~ N	δm
		Main Scale readings (s)	Vernier scale division	Vernier scale reading v = vd x vc	Total M = S+V	Main Scale readings (s)	Vernier scale division	Vernier scale reading v = vd x vc	Total N = S + V	Angle of minimum dev $\delta_m = M \sim N$	Mean
	1	350	6	0.1	350.1	391	8	0.13	391.13	41.03	
	2	71	15	0.25	71.25	30	10	0.17	30.17	41.08	
I.	3	354	4	0.07	354.07	398	5	0.08	398.08	44.01	41.2
	1	169	2	0.033	169.03	211	10	0.17	211.17	42.14	
п.	2	249	10	0.17	249.17	209	13	0.22	209.22	39.95	
	3	174	12	0.2	174.02	213	2	0.03	213.03	39.01	