		, 1			Date 13:12	· 5078					
Expt. No?		Monochromators in Sophisticated Instruments			Page No. 3						
101	Apparatus Availa	able!- of the	(mili (	mills	(1905)	(1)					
	A CONTRACTOR OF THE STATE OF TH	18.5 1 10.00	1 1 24 1	1	05						
45	Laser source		( )	3-6	3.8	1					
2.	Grating	ark & a paramet			06						
3.	Scale with measur	ements 80810	*	4	OH						
	ROUSE SECTION R	art Gora	1 66 F		. <i>26</i> .	9					
	Objective!-	D11825 7 50	8.8	9.01	6215	j - '					
	To determine the w	avelength of the	given lase	r source	using	- [ - ]					
	transmission diffrac	tion grating me	thod	4.1	<u>J</u>	£					
	all aritho by	11.11 The 2000 to	13	18-21	61						
	Basic Information	m.'-	1			. 1					
	•					4					
	D= distance from	grating to the sc	reen								
	d = spacing betwe	en every 2 lines	(same thing	g as eve	ry 2 sour	ces)					
	If there are any (	1) lines per mm	of the gro	ting, the	en (d), th	ne					
	space between ever	y 2 adjacent lin	es or Ceve	ry 2 adja	acent sou	rces) ů					
	d	= [									
		N . Herr	1000-0			, , , , , , , , , , , , , , , , , , ,					
	The diffraction grating formula for the principal maxima &:										
		d sind = na									
	where n is the ord	er of diffraction	(=1,2,3.	) & 0	angle of						
	diffraction										
	1)	$\beta = \sin\theta$ (met	er)								
		No									
			Teacher's Signa	ure :							

completed volue of L 185 DIFFRACTION LASER GRATING Dolson りった Esperimental setup wollo 100 spacings in graphic were ARRIVETTER

η	S(cm)	2L(om)	L(em)	tano 2 L/s	0=tan=(41s)	sino	Mean	2 Cm
	30	4	2	0.0666	3-814	0.0665		0.0672
1	35	4.8	2.4	0.0685	3.922	0.0683	0.0673	×10-15
	40	5.4	2.7	0.0675	3.861	0.6673	postor	
	30	8	4	0.1333	7.594	6-1321	W Also	0.065
2	35	9.2	4.6	0.1314	7.487	0-1303	6.1312	x 10
	40	10.6	5.3	6.1325	7.547	0.1313	Spile St.	100
	30	12	6 n v	0.2000	11.309	0:1961	neteb	0.656
3	35	14	7	0.2000	11.309	0.1961	0.1968	x 10-5
	40	16.2	8.1	0.2025	11,447	0.19848		
			1		- cesisin	42.8 July 1	y Year	
200000000000000000000000000000000000000		Annual services and the services and the services and the services are services are services and the services are servi					V	
			. (15)	oran AW est	potting more	. 3500	Park =	1
1.60	ontres C ox		(the simps)		etworen even			

 $N = 10^5$ b) and, part up and to man up tomic (N) give one sould be

2 (0.0673+0.0656+0.0656) × 10-5

= 0.0661 ×10-5 the differentian garting formula for the minerpal marine is

KM - OMS L to signe & a ( ) is a reitonifile to return all & n scanou

and the action

istani Bulk - R

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