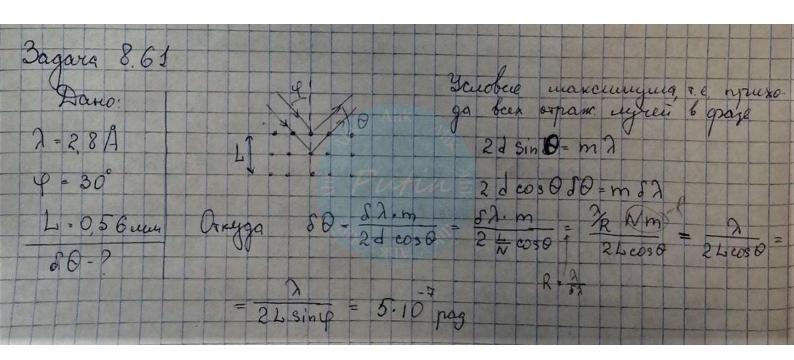
Bagara 8.2		
Davio.	Dug pruzuller c	ocrivbariner 6:
dn/dn = 956cm	$R = 6 \frac{dn}{12}$	
λ ₁ = 5890 A	Tlanne R= 2 = 1	$\left(\frac{\lambda_1}{\sqrt{2}} + \frac{\lambda_2}{\sqrt{2}}\right) = \frac{\lambda_1 + \lambda_2}{\lambda_2 - \lambda_4} \cdot \frac{1}{2}$
h ₂ = 5896 A	Orkyga $6 = \frac{\lambda_1 + \lambda_2}{2(\lambda_2 - \lambda_1)}$) · In/2 = 1 cm

Bagara 1°	
Hareo:	
d=10 reckey	Yourbree ma max gus gupp peuver mes
7.=5890Å	$d\sin\varphi = m\lambda$
λ ₂ = 5896Å	Troguppepereisupyeui:
m=2	d. cosq. sq = m s?
Sφ-?	T. K. ynev of mareon to cos p ~ 1.
	84 = m 8 / 2 1, 2 · 10 pag/

3agara 2° = 10 ³ d	Mus gupp pemer ku yourbeel max. ecto
R1-? R2-?	d sin θ = m λ. Ho on ree ocquisect beeres, ecun on npul-
	$ \frac{1}{10} = \frac{1}{10} \left(\frac{\sin \left(\frac{\pi}{2} + \frac{1}{2} \sin \theta \right)^2}{\sin \left(\frac{\pi}{2} + \frac{1}{2} \sin \theta \right)^2} \right) \left(\frac{\sin \left(\frac{\pi}{2} + \frac{1}{2} \sin \theta \right)^2}{\sin \left(\frac{\pi}{2} + \frac{1}{2} \sin \theta \right)^2} \right) $
	cuerral 6 = 2, roccit npm m = n = 22n, n=1,2,3
marus	yinger - merencubricate pabria O. III = O. Rz = O/
Drayga R1 = 10°	Re boë xopouro u gus guspp penierker R=mN=m d

Bagara 8.39			
D=0,1cm	Truobois pazurep	ucrorniera 4= T	
57 = 5 Hay	Skor = 7 > Nd		
7 = 500 ни		V=d·1.N CoN> AR	
L1 m/n - ?	Briaries 4 & 2 &	R	
Togerabiens	Y: DOR	L > R · D = D 2 = 0.1.	u = 100 cu

3agara 8, 19	To any to a local data to a lo
	Pacciuraem bozninkarversejto pazinoció xoga,
h-?	$\frac{1}{2\pi}\varphi^{\frac{1}{2}} = \frac{1}{2\pi} \frac{\lambda_m}{\lambda} = 0$ $\frac{1}{2\pi}\varphi^{\frac{1}{2}} = 0$
Tilo	venue odporzous parioció xoga cymunaprious (na 1º min
byger 2 +	true odpoizour pazieoció xoga cyumaprious (na 1º min) $h(n-1) = m \lambda, \text{ or kyga } h = \frac{2(m-1/2)}{m-1}, m=12$
Hyueboër wa	u cobin par 2, 70 nephono suprebono max ree
Syger (Kar & 2°	no co cobmor (pay 2)



Jagara 8.78 Подотичаем почери за 1 радиам:

W (1-8).2 = 4 Wpag — Т. к. 2 раза очраж

2 L . 2 Л за вреше 2 L и Т. 2 Dano 2 = 99% 24.27 Ls = 1 m 7 + 0, 63 minu 82. 27- ? Ulupura pezonanen kpuboi 82 - 2 - C (4x. Q. 2) gua cocegnux maxemments: 2 L cos 0 = (m-1)(7+27) Ornyga an = 1 - an = 2 - m + 1. m > 1. mn = 2 L $\Delta V = \frac{c}{\lambda_1} - \frac{c}{\lambda_2} = \frac{c}{\lambda_1 \lambda_2} (\lambda_2 - \lambda_1) = \frac{c}{\lambda_1^2} = \frac{c}{\lambda_1^2} \frac{\lambda_2}{\lambda_2} = \frac{c}{\lambda_1^2} \frac{\lambda_2}{\lambda_2$ Orber: Q = 274 = 109, 50 = C = 0,5 MT4, D= C = 150 MT4

Bagara 8.37	Guerboi pazuep useun
Дано:	Y = 6/4
g = 20 cm	Torga
N=1000	$S_{\text{ror}} = \frac{\lambda}{\Psi} = \frac{\lambda}{6/4} = \frac{\lambda}{6}$
d=0,001em	u ₂ 26
7-5000A	Sroz = L = N.d = 27
6-?	Οτκίχο 6 ξ 2 f = 10 cm

3agara 8.47~				
Дано:	dsin0 = m2			
A = 1,06 were	D D = D SING = D		021	
Т = 1 нс	T = 4 = L m?	() L:	7m	95 cm
n = 1500 mp/cm	Eau st > 7, 00	un cherept	будут как	jucato grup
m = 2		U	nei hei	grysa"
L-?				

Sagara T5	
Дано 7 = 6563 Å	$R = \frac{\lambda}{\delta \lambda} = \frac{2\pi L \sqrt{3}}{\lambda (1-3)} = \frac{\lambda^2 (1-3)}{2\pi \sqrt{3} \delta \lambda} = 0,045 eur$
5λ≈0,16Å	$\Delta \lambda = \frac{\lambda^2}{2nL} = 4,8 \text{ A},$
S = 0, 9 L-? Δλ-?	$2L(1-\cos\theta)=1.\lambda$ $\hookrightarrow \Theta_{1}=\sqrt{\frac{\lambda}{L}}=0.0382=2.2$
θ_1 -? $\frac{d\theta}{d\lambda}$ -?	$57\frac{5}{6}=3$ $57999=13$
	Orryga 10 = 126 = 290cmi = 2,9.10 A-1

