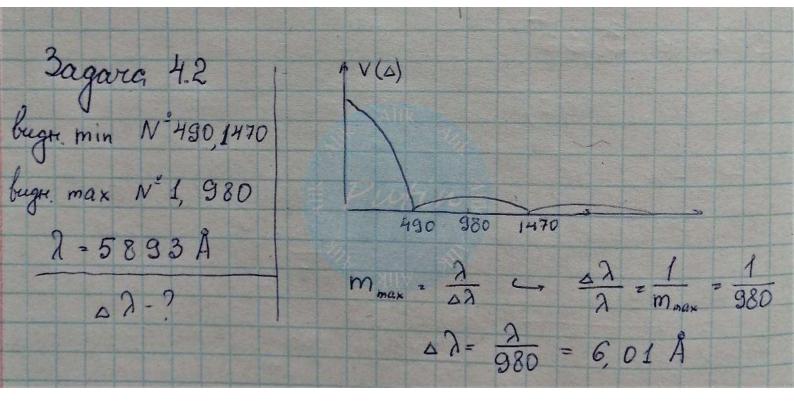
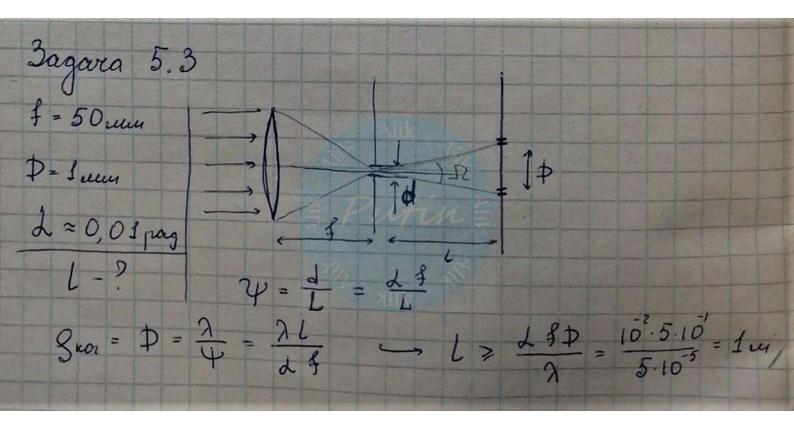
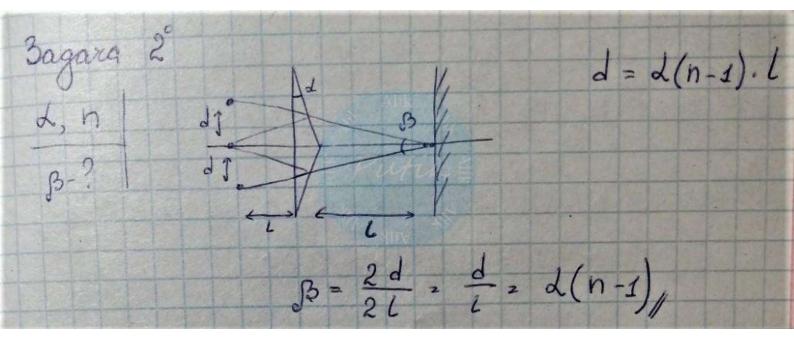
Bagara 1º	
Задача 1° 7=500 ни	$\Delta_{\text{max}} = \frac{\lambda^2}{4\lambda} = 25$ elekel
Δλ = 10 Huy	m _{max} = $\frac{2}{42} \cdot 2 = 100$ nouse - been
Dmax - ?	mmax = 2 = 100 nouvoc - beero
m max -?	m _{max} m _{max}







3agara 4.10	
	Thyere pacer go m-is oberesois
7=5461 Å	nouocos ecto Xm, a tomusuna kum-
A 1,0= KA	na 6 mon mecre h. Torga
ΔX - ?	L= h = m 2 . 1 Xm your rueno nourbout gainereo ykii-en (1 mun = 900029)
N - ?	noughour gounces y Kei-en (1 min = 900029)
x,h-?	Orkyga Xm = m/2 u gus pacer.
σφ-?	mencgy cocequeum noeryr $\Delta x = \frac{\lambda}{2} = 0,94 mm$
JII. K. N=max	$= \frac{\lambda}{\Delta \lambda} = 54610, \text{ TO } \times_{\text{max}} = m_{\text{max}} \Delta X =$
= 51,3m	u vorga h= 14,9eu (uz d = h)
III. к. при шаксим. h так разность хода шенеду	
ropulacioreo	падалонемия и отмет. на бу домена

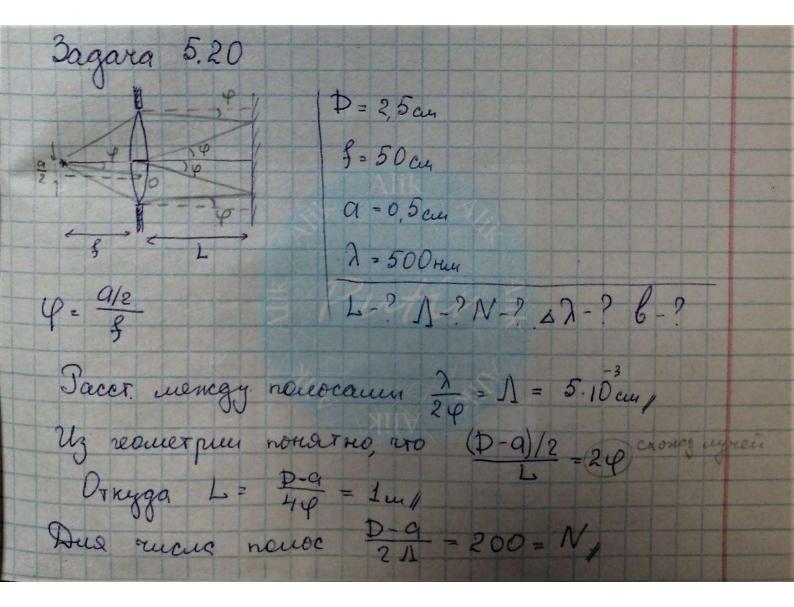
ουτι $<\frac{2}{2}$, το $2h(1-\cos σφ) = h(σφ)^2 < \frac{2}{2}$ $A = m_m \frac{2}{2} = \frac{2^2}{2ολ}$, το $σφ < \sqrt{\frac{2λ}{2}} ≈ 0,25'$ 0 = h ≈ 14,9 cm, σφ ≈ 0,25'

3agara 4.11

$$V = \frac{1}{2}$$
 $V = \frac{1}{2}$
 $V = \frac{$

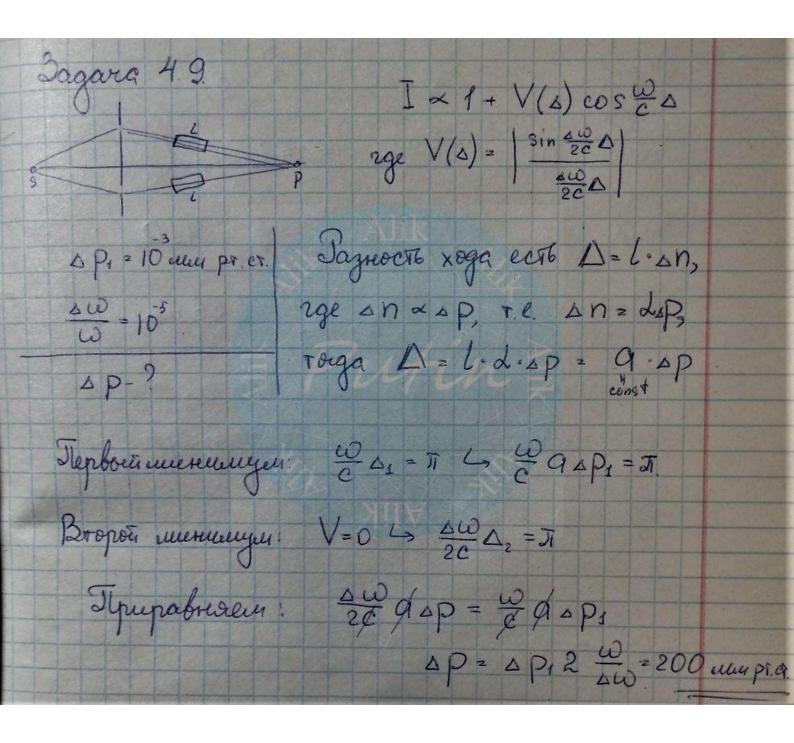
3agara 5.14 b = 0,025 cm $m = \frac{\lambda}{\Delta \lambda} = 12$ $m = \frac{\lambda}{\Delta \lambda} = \frac{500}{12} = 45$, Thuy $\Delta \lambda = \frac{\lambda}{2}$ Haugen us pucyrica buginoch $\lambda = \frac{3.3 - 0.7}{3.3 + 0.7} = \frac{2.6}{4} = 0,65$.

3has, to $\lambda = \frac{1.2}{3.6}$ $\lambda = \frac{1.2}{3.6}$



Тогда дия порядка интергореренции $m_{max} = \frac{N}{2} = 100$ И значит допустишал немонохр-ств: $\Delta \lambda = \frac{\lambda}{m_{max}} = 5$ ни.,

Допустишки ушовой разшер уданенного источника доижен быть меньше ушового расст. менеду помосани, т.е. $\psi < \frac{\Delta y}{L} = \frac{2\lambda}{D-a}$ Значит разшер $\delta < \psi = \frac{42\lambda}{D-a} = 2,5.10^{3}$ см.



Bagara 5.13 h = 0,2 uuu Paccrus aeu pazhocib xoga: h = 1,41 Paccrus aeu pazhocib xoga: $A = h \frac{2h}{\cos y} - 2h \log y \sin y$ $A = h \frac{2h}{\cos y} - 2h \log y \sin y$ $A = 560 \mu m$ $A = 560 \mu m$

Thorga $m = \frac{2h}{\lambda} (n^2 - \sin^2 \varphi)^{1/2} - \frac{1}{2}$ Due $m_{max} = \frac{2h}{\lambda} n - \frac{1}{2} = 1000$, (gue $\varphi = 0$)

Due $m_{min} = \frac{2h}{\lambda} \sqrt{n^2 - 1} - \frac{1}{2} = 710$,

Donycrumal $\Delta \lambda = \frac{\lambda}{m_{max}} = 0.56$ hus,

T. K. Jeux. Tryda yeraxebu. Ha ∞ , norrowy ucrorner moment out δ pazemena.

Bagara 5.23 (noboci zag.) 7=5461 A f=Im L=1 cu Наби са интерф. картина из двух светимих Koulls. Buertpe-marcineques uret execubinocra.
Torga recurgem your gue broposo obetion κοιιουμα: Δ=26 (1-cos θ2)=27 T. K. Oz man, vo 26. 02 = 27 Ly Oz = 1,045.10 D=202 f=2,1 cm Orber: D= 2,1cm

Bagara 5.30 J = 6uuu N = 0,6uuu $L_{KOI} = CT_O = \frac{C}{D} (uy cooth. recorp.)$ $\Delta f = 1,5 f f y$ $Snor = L_{KOI} - \frac{2}{D} x = \frac{C}{D}$ $X = \frac{C}{D} f$ $X = \frac{C}{D} f$