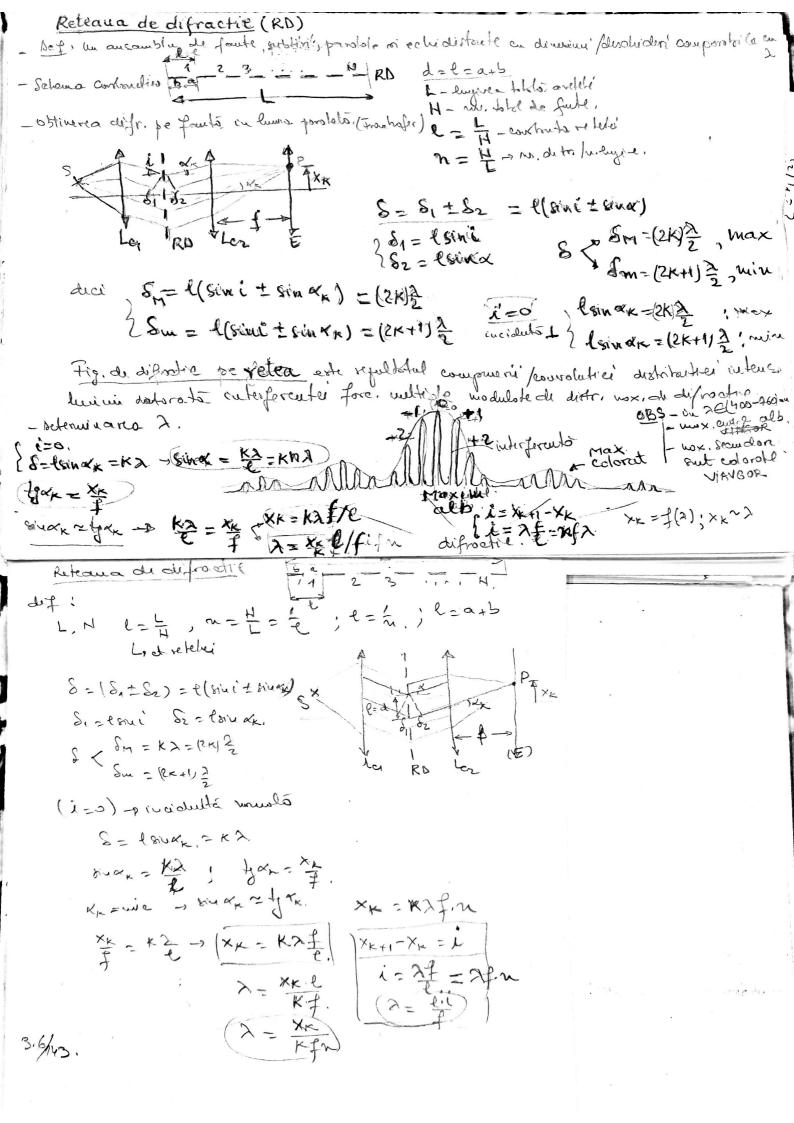
I dia XI-D Dala: 18,05,2016 Temp. Ih. Tema: Difractia. Difractia pe o fanto se dangularse 1. Difractia su maturo: > exemple; difractia pe unchia laure, fauta diutre dejete, tifon, es - descaparità de F.M. Grimaldi su 1660 - Difroctia reprétudo a abotera a propogará un des lunivose de la prive OG. definitio Diffrontion a malla secundare produse pe acistea. Difroctia / cu lumina perolelo -> Difonetia Fronzhofer, (S+Le+RD+Le+E)) in humino diversento o Difractia Fresnel (surso poliforno divergento) 4 Explicarco. fur. de difractic: Avalija rejultatului ilunivarii uni ecrou (E) de cotre revia (S) in prejenta uni parava dpdv. - jeometric - ovem dona pare j-una complet huminoloji. i = o pac'(P)

(- ondulatoria (Hurgens). (-ondulatoria (Huygeus) |- permubro, I = Io/4

- comp de l'aterferento! unda plono + unde secundor

- sécole. 5. Difractia pe o fauto: a) fautà laga - o o sing imagine luminossò a fauti b) fanto cujusto - s fig de difroctie/interferents au ourie de mox - Difractia From tofer in Luis problè peo P fanta rectongulara 6. Explicarera formara mox or win de diffractie/interferente pe femé - Se sivifeato Janta in 2,3, ..., on fraction invetice - se aleq rate ouroloage de l'iceve tectivel.

- se colouleofs diference de drum dintre topele ourologe care interfero - se pune condition de min/mox. P S = (2K) = -> mdx K=9,1,2,3 (Sm = (2K+1) = - mila, K,06,2,3 (Sm = (2) &'u Dx = (2)(2K+1) 8m = (2) HuBr= (2K) (2), 8=13/8in A Qui = 9 Nuθ = 2 → anuθ = 2 (1 κ) 9/3 2 Mud = 2 -> a sind = 42 2 = (22) - win. 0/5 N'40 = 2 -> 9/5 J6. % n'et = /2 and = \$ > = 3> - min. (a nu dx = (2K) = 2 a n'u 0 x = (21x+1) 2



Rez. pb - Difraction luminu 3.6/13) i=0 n=100 lu/mm n= H=/e-> e== S = P(mitriudy) = K). x=2, x2= 1/6, rod. 8 = laude= KA. - psica = KA. Sivary Jan - Xx 学二年一个大二年元 84x2 = 22 8iu x2 = 2.2in dici 2 = Hu30° 10° 12 = sivez ? 3,7/49) >= \frac{1}{4},105= 2,5.10-6, = 2500 nm. m=200 tr/um=2:105tr/u. 2= 11° 30' mu 11°30' = 0,19820,2 81402= 22m 0,2 = 2,2,2,10 3.8/143) 2 = 0,2/4,105 = 0,2,10 = 12,106 H = 20000 l= = 41002 = 2.156 m. L- you, x = 2x2 = 600 Six x2 = K2 2=7 2 - Laiux2 = 4.10-6. 4,5 3.9/143 7-5890 A 2. = 500. nm. n = 9 SH= KX S= laiver = K2 / m siv xx = K2. ×2- 545-1 Arod = 57°17'44,2" = 44,8 + 17.50 + 57.3600 ~ - SNUTE ~ 911.100 Ared = 41,8 + 1020 + 205200 = 206264, 8 = 55.009 = 933:10-54 <1 = 6.3600 + 45= €0 = 21600 + 2700 = 24300 =933.106 2(rod) = 24300/206264,8 ≈ 0,1178097.

3/0/43 S=KX. S- esmary tsier = KZ. m=100tr/um. X2=11/8, K=2 X = fourth = styck ~ = {. 8=> 7 = 0,5 2.100.103 = 0,25.105 = 2500 mm. 3.11/195 a - 400 tr/ma. 2=0 1 = 2000 V 18"4 KKM = KM ? Kung = ? (XKM = 11/2) 3,12/43 1 = Kn. 2 = 1 $28 = 8 \text{ sin} \propto_{R} = K \times_{R}$ $8 = 8 \text{ sin} \propto_{R} = \frac{1}{100.13.5000} = \frac{1}{100.$ 2-500 hm. Lzyen, H = 20000tr. ay $l = \frac{L}{L} = \frac{4.10^2}{2.10^4} = 2.10^{\frac{10}{10}}$. $k_{\text{M}} = \frac{10^{10}}{20.10^8} = \frac{100}{20} = 5$ ey 1-7 b) KL-? , K=2 b) 1814×1- K>-; K=2 9 Kmox=? Sucr = 22 = 8:500:159 = 5:10+2-9+6 Sind = 1/6=300 C) low Km = Km 2 l aru 700 = Km·2 - Km = = = 2.106 5+02=91.10 3.4/143 Ex = (2K+1) = 3/2 W=1,73 En = 2udicosr+2/2==32 → di = 52 - 51/60° A = 500 mm 12600 (8460 = 4 844) -> cor= (1-144) -> cor= (1-144) -> dr - 113- 4 - 1500.10 25 change? Sule cosr= 11-12 90700° (3.5/143) S= (drup-dx)=91 - 2 dx 00 - 128 7=690 um 24dx+2/2= 5x= K724 n=1,5 24 dK+10+2/2 = Sx+10=(++4)). 2n (dxy, -dx) = 921; (2n = 81().) der dk: (durio-d) = 32 = 3,630 = 32 = 1,890 pm.