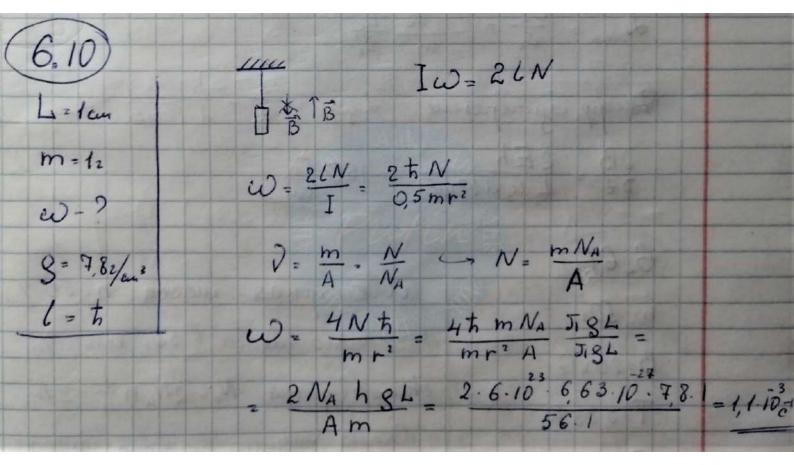
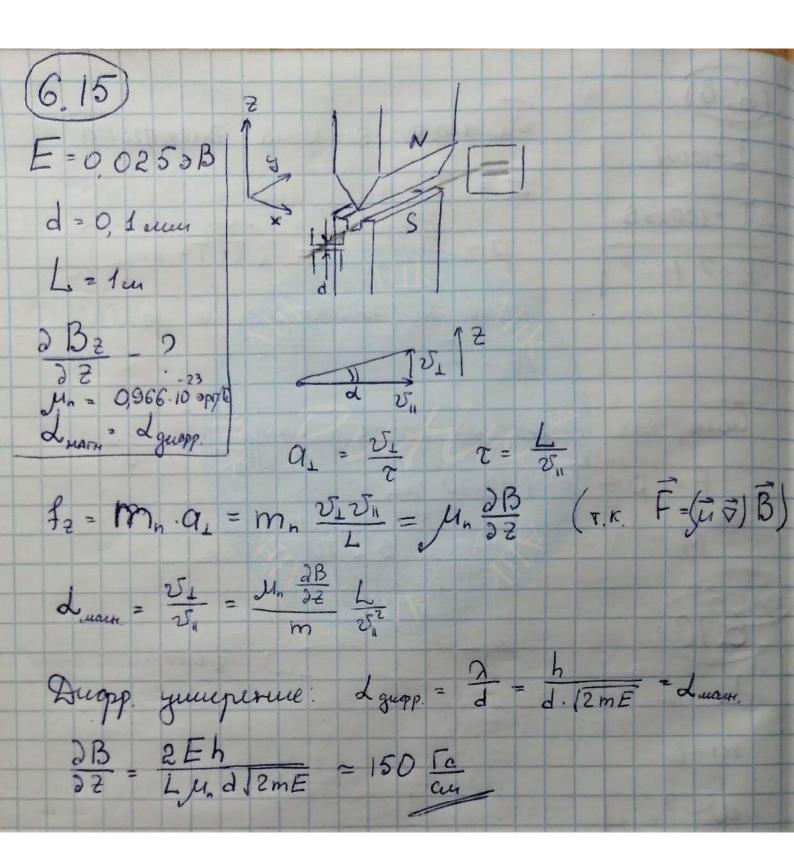


(6.8)Пошная энергия энектрона I = 100A  $E = T + mc^2 \quad \text{cuernyaloe}:$   $P = \frac{|E^2 - m^2 c^4|}{c} = \sqrt{T(T + 2mc^2)/c}$ T = 100 KOB F-? M-? Tuecuo sul, muxogansux za 1c.: N= te Сина, кот. действует на изининдр Рарадия:  $F = P \frac{I}{e} = 1,12.10^{"} gum$   $M = N \frac{h}{2} = \frac{I h}{2e} = 3,3.10^{"} gum \cdot c.u.$ 

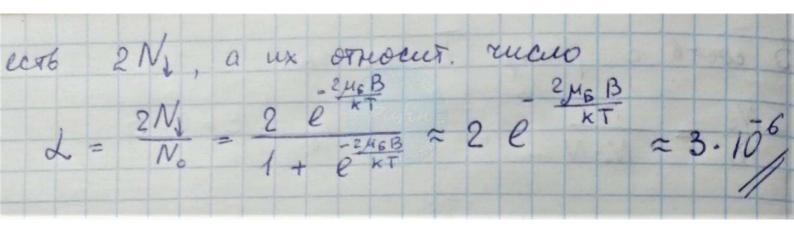




6.66	
	Monaprias macca n. 50 mons
m = 502	
Basc	← rueno moneir 6 502 ecto 1/n
B=20 LTE	Around gropa No= 2NAn + = 2NA
T20,05K	
	Crewa pacusenu yp agna optopa:  By  2 Jub  1 1 1 1 No-N
I = 1/2	Ba morrib noise
L= 24,2.10 ppr.c	D1 + 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	2,48
y-?	no neutro NI = No-N

В соотв. с распр. Болочнана  $\frac{N_2}{N_1} = \frac{N}{N_0 - N} = e^{\frac{\lambda E}{kT}}, \text{ rge } \epsilon E = 2\mu B$ OTRYGA N= No e KT

1+ e KT DN = No - 2 N = No 1- ext = No HB = HB No 1+ ext = No 1- HB = HB No Thu creditien nois nauberra agep an pazopuen. гируется, т.е. образии попушт мошеня шинумых  $L = \frac{\Delta N}{2} \frac{1}{\hbar} = \frac{1}{2} \frac{\mu B \hbar}{k T} N_{\bullet} = \frac{\mu B \hbar N_{A}}{k T}$ OTRYGA M = 15 t T = 13,25.10 Pr/re = 2,62 Mag



6. 78

$$15^{2}25^{4}$$
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