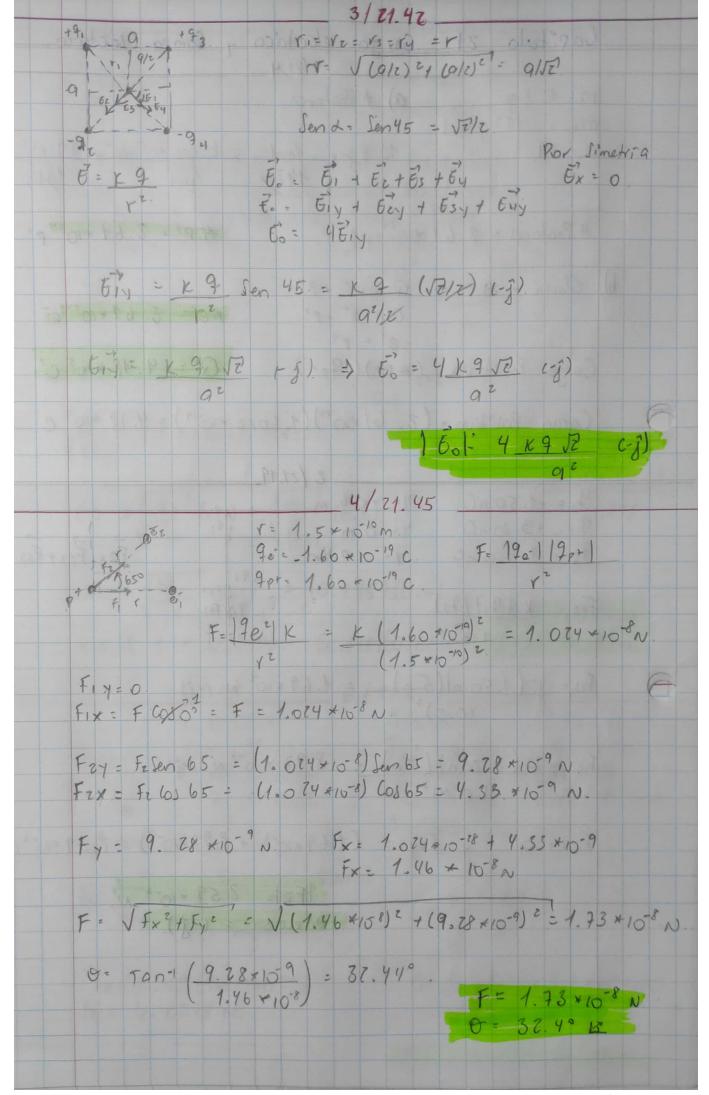


UNIVERSIDAD DE SAN CARLOS DE GUATEMALA FACULTAD DE INGENIERÍA ESCUELA DE CIENCIAS DEPARTAMENTO DE FÍSICA FISICA 2 INGA. CLAUDIA CONTRERAS

TAREA	X	NOMBRES: Leonel Antonio	SECCIÓN:	
HT		APELLIDOS: González García		
No.		CARNÉ:		Dт
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591314	
Capítulo 21. Carga electrica y Campo Etect	n'60.
1/21.4	
m=10.8 g. a) # Protores	
MAN = 197 g/mol	10
N=79 10.8 g x 1mot x 6.072 x 10 ²⁵ g/m x	10 × =
197 g 1 mol	1947
# Protones = 2.61 x1024 pt # pt = 2.61.	+1024 p+
b) Queta + 0 > Q = e + p+	
0 = e + p+ Ae = C. 61*1	0000
$e^{\dagger} = \gamma^{\dagger}$	
Carga Positiva = (#P+)(9p+) Q= 4.18 *	10°C
Carga Position = (2.61×1024) (1.6022×10-19) = 4.18 ,	1050
Carga (08) 200 Ca. 0710 7 (7. 60 Cc 4 10) = 1.18	10 0
2/21.19	
9 = 150 pC 301 = -06 m	
9+3-70 PC N=0 m +192	->
93 = + 5.00nc 7 - 70.4m P2=	Fist Fus
Fr3y= K 19,1195 9,8 Fr3.	
Fr3y= K 19,1195 9,5 Fr3.	
T132	
F13= K (1.50 a) (5 a) = 1.69 * 106 N (-3)	
$(0,2)^{2}$	
Fz3,= K (3.700) (50) - 8.97 +10-7 N. (-3)	
(0.4)2	
Fex: 0 y Fey: (1.69*10-6 + 8.97*10-3) = 3	.59 ×10-6 (-j
1FR = 2.59 * 10-6 N.	
Dirección = (-{).	



	5 / 21.60
93 +91 -92	9 12 2 50 C 1 F- 7
	92 = -3.50 mC
CV 3 3 103 113 12 12 12 12 12 12 12 12 12 12 12 12 12	10 110 120 120 120 120 120 120 120 120 1
0 30 d Fe3 = 173+ 0.6	19 For Fish to Fasa and 109
marke Grand Elma State	
Ves = 3.87 m.	
175 = 0.0 J m	(132 Y232)
	1911 : 92 132 Fest
	T132 Fe32
	319-11 ((23) =) r,3 =
	190 9
[1911- (r3+0.6) = (73.	
1192	ri (13 = (0.845)(0.6)
(1)3 = 191 ((13) + 1911 (x	
$r_{13} = \frac{9}{9}z (r_{13}) + \frac{19}{19}z (c$	
	(13 = 3.77 m.
(13 - 191 (13) = (0.8	$\frac{345}{(0.6)}$
ris (1 - 0.845) = (0.	
	5/21.65 ZFy =0:
m = 12,3g.	
l= 28.6 cm.	Ty = mg Fe = Tx
9= -1.11wc.	TGOO = mg FE: T Suns
W 177 T-T	T= mg
1 Se Ir ma Clea	9)
1x Cose	FE = 1910
ft= mg Tane	FE = 6.
FE=(17.3×15) (98) Tan (77.4)	E= 0.0378 = 3.4 × 104 N/C
FE = 0. 0378 N.	1.11.wC
	E= 3.4 × 10 4 N/C. (-2)
	0-3.1-10 NIG. C-41.