

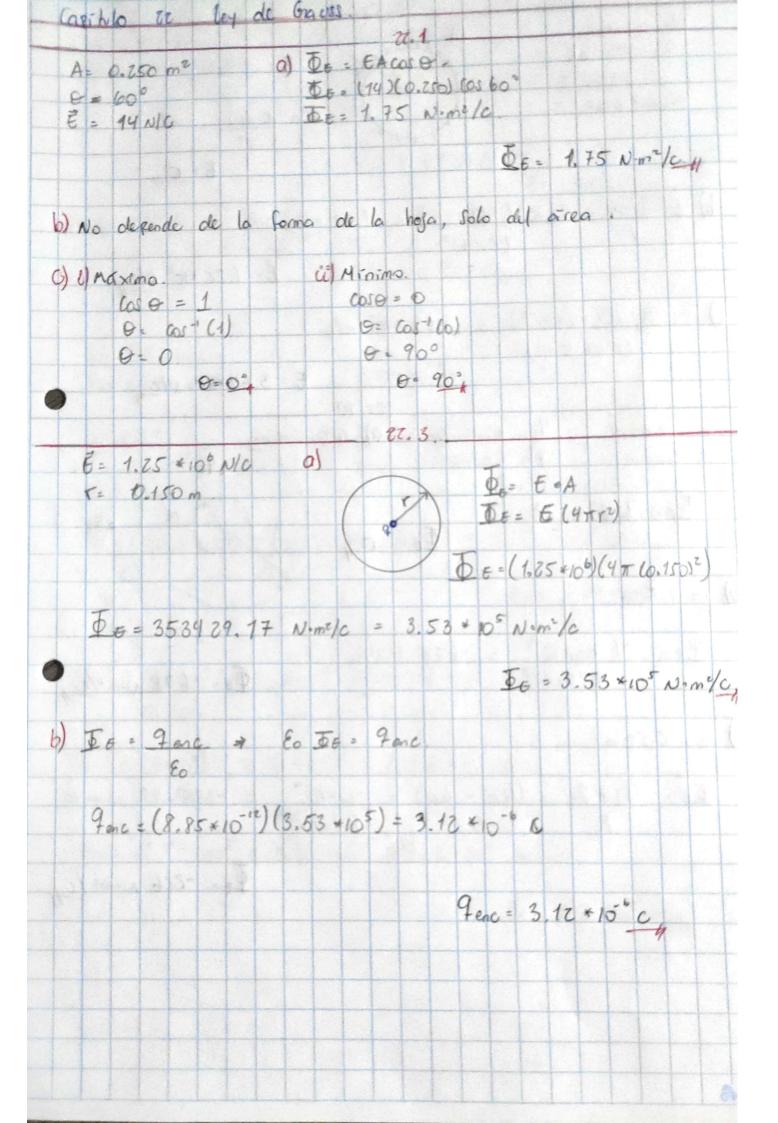
UNIVERSIDAD DE SAN CARLOS DE GUATEMALA FACULTAD DE INGENIERIA ESCUELA DE CIENCIAS DEPARTAMENTO DE FISICA

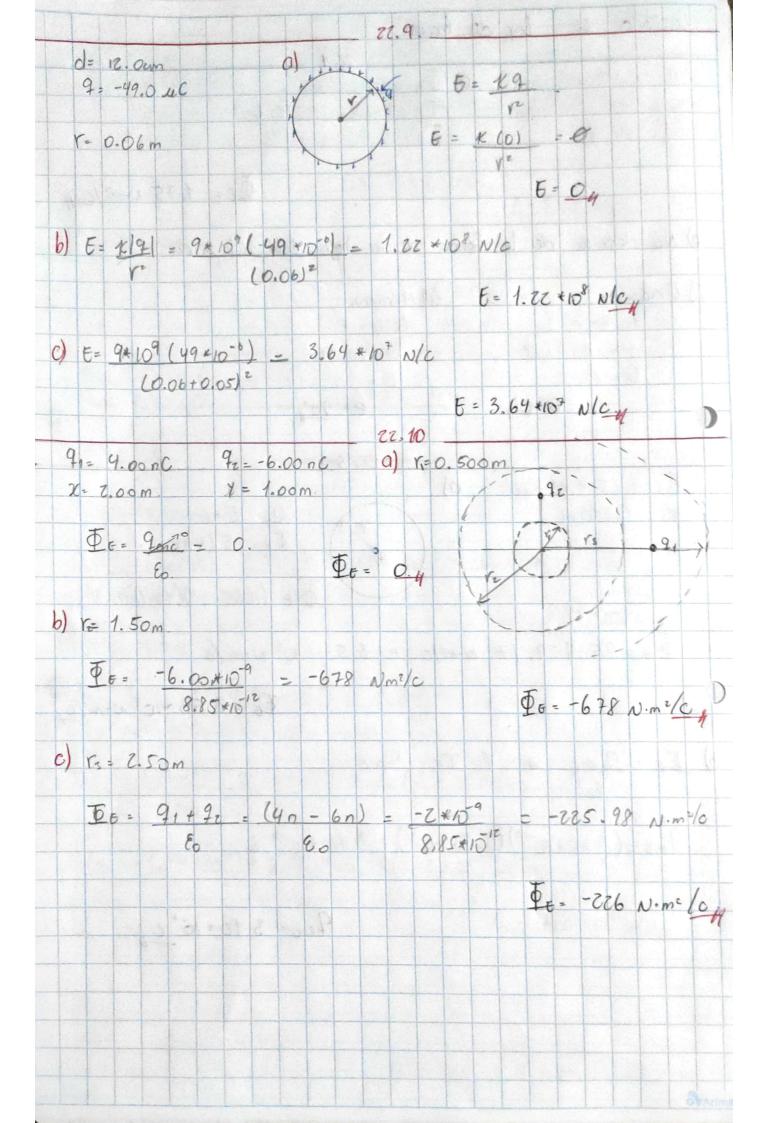


Nombre: Leonel Antonio Gonza	ález García		FÍSICA II 1S2022	
Carné: <u>201709088</u>			CAPÍTULO No.:	22
Sección: P_	NOMBRE DEL CA	PITULO: Le	y de Gauss	
Profesor: BAYRON ARMA	NDO CUYAN_	Auxiliar:	José <u>Balux</u>	_
22.4.22.2.22.0.22.40.22.44.22.47.22	40 22 24 22 24 22 25 2	2 22 22 44 22	45 22 52	

22.1, 22.3, 22.9, 22.10, 22.14, 22.17, 22.18, 22.21, 22.24, 22.25, 22.33, 22.41, 22.45, 22.53.

-----Puede iniciar su tarea a partir de aquí (Mínimo 8 problemas) ------





22.14	
r= 0.450 m a) 6= 0.100 m	
9 neto = 0.750 nC	0.0(0,000,009)
5= 2 Face	= 940° (0.250×10-9) (0.450+0.00)°
	(0.430 10.04)
5= 7.44	0/2
	E= 7.44 N/CH
b) r= 0.350m	
F= 400 = 0.	
€ 5	=04
77,17	
2n= 480 ug/m	
7= - 2,40 wC/m 4= 0,400+ 9=	
E= 72 L 9	
a) Y=0.200m	
Ex: ZK(2+12) = 2(9+10) (4.80+2,4) =	-6.48 × 105 N/C
r 0200	
	5, = 6.48 × 105 N/C
b) Y=0.600n	
€4: 2 (9+10°) (4.80 +10°0 = 1.44 +10	of N/c
0.600	
B = Z (9+109) (2.40+100) = 2.16+10	NIC
0.700	
5+=-1.44+10 + 7.16 + 10 = 7.2+10	D" relu
	Er - 2 2 + 104 N/09
	1 1 1 1 1 1 1 1 1 1 1 1

	27.18	
E= 840 N/C		2 0
Y= 0.400m	6. 2KZ	7: 4
l= 0.00m	Y	
	rE A DA	10.4001(840) =
	34	2 C9 × PO 7)
	92	
	2=1.86 * 158	
ln=9 = 9:	- (0.02) (1.26 + 151)	
7=	3.72 × 1010	0 000 010
		9 = 3.72 × 10 -10 C. 11
	77.71	
r= 0.145m	al gene e levol	
8=0.355m	E1- 9	
5 = 1750 N/a	$EA = \frac{9}{\epsilon_0}$	
E0 EA = 9 cus	60	
COUR - TOUR		
9 cn = (8.85 × 10	12)(1750)(411(0,355+	0.145)2)=4.86 +10-8 C
0 11 01 -7		
P= 4.86 *10 8 4 1 (0.35)3	- 7.60 ×10" c/m	0 -1 -7 / -
Ψπ(O-35)		8= 2.60 × 107 c/m24
N. Car		
b) You o team	90. 12	10-10-3/11-10-2 (3)
(Edd gove	TENCE LC	60=10-1/(4 1 (0.70013)
SEIDA = 9 CNO EO.	9enc = 8.	24 40-9
	1910 - 0, 1	
E(4+r2) = 9000		
E		
E = 900 - E9	um = (9xm9)(821	457) = 1909 2+ 11
4772	10.20013	407) = 1959.75 N/C
	(0.000)	
		E= 1.96 ×103 N/CH
		1.10 10 10/10/