Mr. Jan 27,16 SYDE 283 Computational Assistant 3 Exercise L. Computing Flecture Field Analytically P. [01,0,0) = (9x 109) (1x 10-6) = 1.765 × 105 N/C .: Ê(010,0) : [1.765 x 105, 0, 0] N/C Exercise 2 Conpung E-Field de la Unicarry Chaged Rad Numerically 2) Piece 1: 2=2 A= 9+9+5(F)= C-41800 ⇒ < 0, 0.416, 0> * さ. ヴ.ド Position of Proble ⇒ 2: (tp, -2, 0) te center of first price (7) · (: [c.1, - c.416, e) 11711 - C.12+ C.4167 . C.1836 . ĉ . [en, -6.97, en 4) E(p): K = f k (f() ~ 16-6 c); [1911.8, -7957.5, 0] N/C. * cle be inst prese. Hillren

	Picce 21 7, (c1,-0.25, c) ?, (0.371, 0.928, 0)
	게 하고 있는데 하는데 있다. 그는 가는 다른 사람들은 사람들이 되었다면 하는데
	. 0.2613 => E, . k (5 x 10-6) = : [7675.9,-19200, 0]
	Proce 3: 7, [a.170.003,0] ?. [a.769-0.641.0]
	17311-0130 => E = (68.254,4, 56853.5,0)
٢.	With these 3 (above) and by symmetry, we as see that Ex: Ea Era: Esa Eza: Esa Equ Exy: Esy Esy: Esy Esy: - Eny Exy: - Eny Exy: - Eny Exy:
	Ex Fox Exx Exa Exa Exa
	- Eng Eng-Eng () Eng
1	
	E= 2(1911.8)+2(7675.9)+2(68254.4) ≈ 155684.2
	= 1.55 × 105 N/C. Free
	This value is less than the value cacalded analytically in part !
	9 = mor nurare oppresson 13 boxes - Increasing breaking
	down mandrel corporate - foces be colorate to East
	(where color out, considering x-y, etc). Also, it is limited by n=6.
	To get a ever mer accude resurg by red new be drivered
	mbe ever mere segments, obsermy First as n -3 as
The same at	

Exercise 3 Computing E-Freid de la a Uniformly changed 13ad	
Numerically (man a compute brestian)	
- Some cosmer es Ex 2 w/ no 6 => 1.55 x 10 5 m/C (code ethorized)	
Exercise 4: Incohigeling the Earch of a Smaller Prece size.	
_N Ênt (N/c)	
6 155193.891. The value of N separated to give a result that	
10 174309.696 egrees whom 120 of the cicly free result from	
100 176504.848 Execuse 1 is actually about Nº 11 (177746, 0.72% in)	
176504.525	
Exercise 5. Computing the Electric Field of a Point on the Avia of the Red.	
나를 하셨다고 있어요 되었다면 하는데 하다를 하는데 이번 전에 되었다. 그렇게 되었다면 하는데 보겠다면 하는데 보고 되었다면 되었다면 되었다면 하는데 되었다면 하는데	
Entiple, o. 6, es Analyticany: Program	
Usmg] For LO. 0.6, c>, E: G (Ch. 21) E: [0, 25 x 167, c] M/c	
('[x 1e-6')	
47760 (C.6)" A smoor course conserve	
24.9 × 104 N/c Using Nº 1 Condybrad analysis	
Exercise 6: Conpuling to Etective Freid et ey Pent in Speece	
1 = 1 pronosos Assens son poendos ? (es Lingstye)	
cs from orb (10 program)	
Emil = 1767 = 87635, 33963, 177, 07 No.	
1679×103,39×104,03 ~/e	
C.5099	