HI 4 電気磁気学 電影課題 (2024/10/22) 【課題/5] (a4) P= E0(E-1)E (a) (a0) (a1) 6 - 2 Q1 (a1) = (8-80) = = 47181. (E-E.) (C/m) からスの注刺より (6)(61) Q = 90 (A) (BD) = D.4R+2 (LD): Q (加) = D. 21711 (成功)=(成为) (til) = (till) D-27682 - 200 D = 2764 (c/m²) D = 41/45 (GZ) D= EE 511 (B2) D= GE, &= E08+ 57, E = Q [Wm] F = /2 22 EoEr [L/m] C/C)(C1) = Q [-1]+ 474 [-+] 8 (C2) C= ES &) 471 Er [V] C. = \frac{\xi_1 \xi}{2d} \cdot \cdot \frac{\xi_2 \xi}{2d} \cdot \frac{\xi_2 \xi}{2d} \cdot \frac{\xi_2 \xi}{2d} (1.00,2 C. C. + C2 -> \frac{\epsilon_1 S}{2d} + \frac{\epsilon_2 S}{2d} - \frac{\scenter}{2d} - \frac{\scenter}{2d}

HIL 4 PARTER (2024/10/19)

[RE 16]

(a) (a)
$$E : E_0, O = \frac{a}{S} : D_{S}^{1}$$
), (a3)

$$E = \frac{D}{E_0} \cdot \frac{a}{E_0}$$

$$V \cdot \frac{ad}{es}, \quad a = \frac{es}{d}$$

$$C : \frac{a}{V} \cdot \frac{es}{d}$$

(ED) = D. DS DATE. D= Q (c/m=) (62) (acteR) ary FI = Q [V/m2] (RC+ch)azz. (63) R E2 dr - Sa E1 dr =- Sh 4nr 62 - Sp 4nr 81 rdr =- 4nr 2 - Th - Que [- T] a que [- T] a =- 4nr (2 (- 1) + 4nr (a - 1)) [V]

(4) 4(5)

Es (8,2 - single + cos 2)

(C) {PicosQi = Do cosQ2 (1) (E, SinQi = Te 2 sinQ2 (2)

(1), D = EE & 1), E0 &0 000000 = E &0 &1,0000 (3).

25).
E2 sin 20 = E2 sin 0 . 22

E2 82 sin 20 = E2 82 sin 0 (6)

Forma : E Cronz