HI4 電気磁気学 演習課題 (2024/11/5)

[課題17]

(a)
$$\omega = \frac{1}{2} QU, Q = CU, C = \frac{2.2.5}{d} S$$
 sy.

$$r = \frac{mV^2}{1.6 \times 10^{-11}} = \frac{9.11 \times 10^{-31} \cdot (10^6)^2}{1.6 \times 10^{-17}}$$

(C)
$$F = 9.0 \times B \sin \theta$$

 $2 = 1.6 \times 10^{-19}$,
 $F = 1.6 \times 10^{-19} \cdot 7.2 \times 10^{6} \times 85 \times 10^{-3}$
 $= 9.9 \times 10^{-19} \text{ EH}$

加速度

演習課題 (2024/11/12) HIF 電氣磁角等 [課題 [8] (a) B = MOI [T] 51), B= 47x107.1 = 2x10-5 [T] 1 1 1 K1 = 16 B = 4.0 5%. B= 6 dte B dx = b John MoI dx = MoIb [log x] dia MoIb log dra [ib) (C)

B= J45 MoI Sine. as . de = 470a (=) = 2/40I

48 = 3MoJ = 25.MoJ [T]