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7. Eko: l=30cm=03m, S=1cm= 1x10tm, N=300, I=0.052A, Ø=2x106Wb #: (1) B (2) H (3) J (4) M, M= & (5) M.

#: (1) B= S = \frac{2x10^{-6}}{1x10^{-4}} = 2x10^{-2}T

11 H= nI = N.I = 300 x 0.032 = 32 A/m

(3) J'= M = B - H = 2x10-7 +32 = 1.6x10 4 A/m.

(4)  $M = \frac{B}{H} = \frac{2 \times 10^{-4}}{32} = 6.3 \times 10^{-4} \, H/m$ ,  $M_c = \frac{M}{M_c} = \frac{6.3 \times 10^{-4}}{40 \times 10^{-4}} = \frac{5.01 \times 10^{-4}}{40 \times 10^{-$ 

(5) M=J: 1.6 x (0 4 A/m.

8. Exo: N=1000, 1=15cm=0.15m, I=2A B=1T.

Tim HOI A, A. (3) I'

134: (1) H= NI = N = 1006 x2 = 2.12 x103 A/m

(1)  $M = \frac{B}{H} = \frac{1}{2.(2x/0^3)} = 4.71 \times 10^{-4} \, \text{H/m}$ ,  $M = \frac{M}{M} = \frac{4.71 \times 10^{-4}}{4.71 \times 10^{-7}} = 375$ 

(3) J'= M= (A-1) H= (375-1) x2.12 x103 = 7.9 x105 A/m

11. Zh: Hc=2, di=0.5mn= 5x10 m, dn=03mm=8x10 m, h=0.3mn=3x10 m.

解: 由图(a) 知 磁花内表面光键反向磁化,技、H= imax = imax = 2元1,H= 2元x 1/2 x 2=3.14x10 A.

13. Etc: 1 = 500mm = 0.5m, l2 = 20mm = 0.02m, 4 = 5000, B=3T

I: NI

部: NI = B·(上十上)= 3 × (0.5 +0.02) = 4.9×10+ 上年