

27.14 No, I think it's not enough. Since the magnetic field is always perpendicular to it's motion. So it can only made a circular motion, it need a electrical field perpendicular to the magnetic field.

27-16 The earth has a magnetic freld. The intensity varies with (attitude. In high latitude areas, the lives one do majic field is strong. And van Allen radiation belt is much smaller the thinner.

28.1) For toroidal: it's close on it self so the field lines can stay write and

For line, it must leave to close itsent.

28.19, Pateg Paramgretism due to the partial alignment of electronics, , so the motion can be easity effected by, temperature. But the diamagnetic mainly depends on the initial orientation of atom, which is not related to temperature.

28,20 This kind of phenomena is based on an servation of angular momentum. When the oylinder is magnetized. At first atomorphic motors momentum make it still, but when the month reversed anomic momentum will also reverse, so in order to make total angular momentum constant, the cylinder must rotate

27.25 WF=9([+6x078c) (15x05m/s) x (0.557) = 13x00-14N

= 9VZB

a). Yes, The electric exert the footot force on the positive proton, and there's a component of acceleration in this direction

2). the motion is a helix 3) yes, citarian the force did not have affect

on ye so it did not affect arcular motion, so the belix will

not change.

d). $T = \frac{2\pi}{W} = \frac{2\pi}{M} =$

a= In = (1-6×10-19 c) × (18×104 v/m) = 3-6×10 1 m/s 1-1×10 1 m/s

X-x0= Not+2 at2 = (1.8xc05 m/s) x 16x10-83) + 2x (1-7x1012 m/s+16x10-85)

= 1000 = 0.0 14m

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Hanyisei 5437-910123
                                                                                                                                      f=mg BIL= mg I=\frac{mg}{BL}=\frac{0.75^{4}\times 9.81m/s^{2}}{0.45\text{ T}\times 0.5m}=32.7\text{ A}
                                                                                                                                                                                                                                                                                                   V=1-R= 12.7A X 2502 817 8:50
                                                                                                                       (4) F' = BIL = BUL = 0.457 × 817.50 × 0.5m. - 12N.
                                                                                                                                                                                                                          a = \frac{F - w}{m} = \frac{91 - 0.13 \times 9.81}{0.16} = 112.8 \text{ m/s}
27-65(0)
                                                                                                                         F= 15IL. to the right.
                                                                            V^{2} = \frac{1}{2} \times \frac{1}{2
         -8.27
                                                                                                                                                                                                                                                                                                                                                                                                                                      38 0: B1 = Mo I1 = 4x10-7 X 10

271. X0.08 = 25 X 10 5

Smikry => B= B1 + B2 = 4.1 X 10-5 [ ] < dwelton

16 X 10-57.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             4: 18t Smilari W B=41 X10-57 8

\frac{1}{2} = 0.9 \times 10^{-5} T

w) left: B^{2} = \frac{10.10 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2} \right]^{\frac{1}{2}}} + \frac{10.00 \cdot 10^{2}}{2 \left[ (x + \frac{2}{2})^{2} + a^{2
                                                                                                                                      (c) At P, \chi = 0 \Rightarrow B = (\overline{f}) \frac{3}{a} \frac{1}{a} \frac{1}{a} \frac{1}{3} \frac{1}{3}
                                                                                                                                                                                                                                                                               B'=0 d'B At No de d'B
                                                                                                                                                                                                                                                                                                       =) the rate of change so, it's very uniform,
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28.83 0 parallel: 150 + 50= 200 mT. > choose c

Essay Question.

The magnetic strength of electromagnet is required to change abwaying with the change of the current. Soft magnet 5 peasy to disappen after awiting of magnetic arrival magnetication, however thorn magnet, not be magnetized into premional magnet after being electrofied. For an electromagnet, does which will not fit the requirement.