Bmil=-Mo or V)

Bbor= D

Btop= D

Submission to 2 1

D Find Fange/m² on upper plate, W/ direction

Fing = Q(→xB)

 $= m^2 \sigma \left(\nabla^2 x \left(- \frac{M_0 V_9}{\sqrt{2}} \right) = \sigma \left(\sqrt{x} x - \frac{M_0 \sigma V_1}{\sqrt{2}} \right) m^2$

 $=-m^{2}\mu_{0}(\sigma V)^{2}\frac{1}{2}=\sqrt{-\mu_{0}(QV)^{2}}\frac{1}{2}=\sqrt{m^{2}m^{2}}$

DAt what speed v would electric Force balance Fmag?

 $\begin{bmatrix} C_{4pq} C_{170} - \overline{C} & F_{0} & F_{0} \end{bmatrix} = \begin{bmatrix} F_{0} & F_{0} & F_{0} \end{bmatrix}$

 $= -\frac{Q}{m^2 \in 0} \stackrel{1}{\geq}$

E-WE- mzfo

Wednesday, December 9, 2020

7:27 PM

I realize the surface does not maken for the validity of Ampere's Law, buy a Flatter surface is preferred because it makes calculations easier.

5.20 Wednesday, December 9, 2020 7:56 PM (of ensity = 8.92 9 (m) (complarmas) = 63.5 46 9/mol
Emol = 6. 022/9 x 10 23 mol -1
$\frac{6.02219 \times 10^{23} e^{-} \times \frac{1 \text{ mol}}{63.5969} \times \frac{8.929}{1 \text{ cm}^{3}} = \frac{8.929}{(\text{m}^{3})^{2}} \times \frac{8.929}{(\text{m}^{3})^{2}$
(b) What is V for lym when with I=1 Amp?
1 Amp = 1000mb = 6.24 X/0 18 e-
proprie = e j l= v
8.45×10^{22} . $(0.05)^{3}V = 6.24 \times 10^{186}$
6.24×1018
V= 8,45×10 ²² \(\langle (0.05)^2 = \langle 0.01 cm/s
e goes slowly but changel
In movement the short

In movement, the signal,
goes really Fast, like ()

t

Find magnetic vector potential for straight $\frac{1}{\sqrt{2^2+x^2}}$ wire with current $\frac{1}{\sqrt{2^2+x^2}}$ $\frac{1}{\sqrt$