Chapter3 2

$$mn\left[\frac{\partial w}{\partial t} + (w - \nabla)w\right] = qn(E + w \times B) - \nabla p$$

$$(3)$$

of then ... concerned withouty UI

$$(U_{L} \times B) \times B = B \cdot (U_{L} \cdot B) - U \cdot B^{2}$$

$$\mathcal{O} = \mathsf{d} \times (\mathbb{E} \times \mathbb{B} + \widetilde{\mathbb{B}(\Omega^{T} \mathbb{B})} - \Omega^{T} \mathbb{B}^{5}) - \Delta b \times \mathbb{B}$$

O (: WI perpendian lat to B)

= ExB -
$$\frac{P \times B}{A \times B}$$
 - $\frac{P \times B}{A \times B}$ - Diamagnetic drift

Z-component.

$$2 - comparent$$
.

 $mn \left[\frac{\partial U_z}{\partial t} + \frac{\partial U_z}{\partial t} \right] = dn \left(E_z + \frac{\partial U_z}{\partial t} \right) - \frac{\partial b}{\partial z}$

assumption:
$$U_{\xi} = uniform. \rightarrow \frac{3U_{\xi}}{0\xi} = 0$$

$$\frac{\sqrt{300}}{8\pi} = \frac{qn}{mn} E_8 - \frac{\sqrt{kT}}{mn} \frac{3n}{8\pi} \quad (P = nkT) \dots (*)$$

when we think of electron, m - 0 , q - e , then,

$$e^{\frac{\pi}{2}} = e^{\frac{3\pi}{3}} = \frac{\sqrt{k} + e^{\frac{3\pi}{3}}}{n} = \frac{3\pi}{3}$$
 j integrate

* what this means that;

electrons is very mobile and would be easily accelerated if there are a net force on them!!!