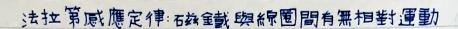
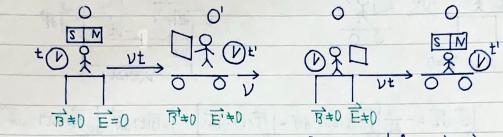
## 爱因其斤七旦牛蒡朱相对言角



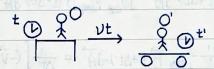


用勞羅茲力 产= 8 Jx B

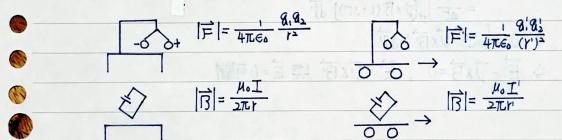
 $\int_{\Gamma} \vec{E} \cdot d\vec{r} = \frac{d}{dt} \int_{SIXL} \vec{B} \cdot d\vec{A}$ 

## **特罗朱村目對言論**

(工) 相對 性原理



Poincare:無法以物理的法區別〇或〇烷於《色對青爭止或《色對運動》



相對性厚理在電石發現象中

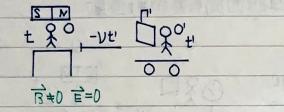
 $\int_{S' \not\equiv \sharp \not\equiv E'} \cdot d\overrightarrow{A'} = \frac{1}{\epsilon_0} (Q_{enel} \text{ in } S')$ Js共開曲面 B·d A = 0 「s'對曲 同・4日 = D In B. do = Moland J. do + Moeo de [E. do] [m. B. do] I. do + Moeo de [E. do]

$$\int_{\mathbb{R}^{n}} \overline{E^{1}} \cdot d\overline{\Omega}^{1} = -\frac{d}{dt^{1}} \int_{S^{1}JX} \mathbb{R}^{n} \cdot \overline{B}^{1} \cdot d\overline{A}^{1}$$

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## (I) O(E, B) 與O'(E', B') > 間關係

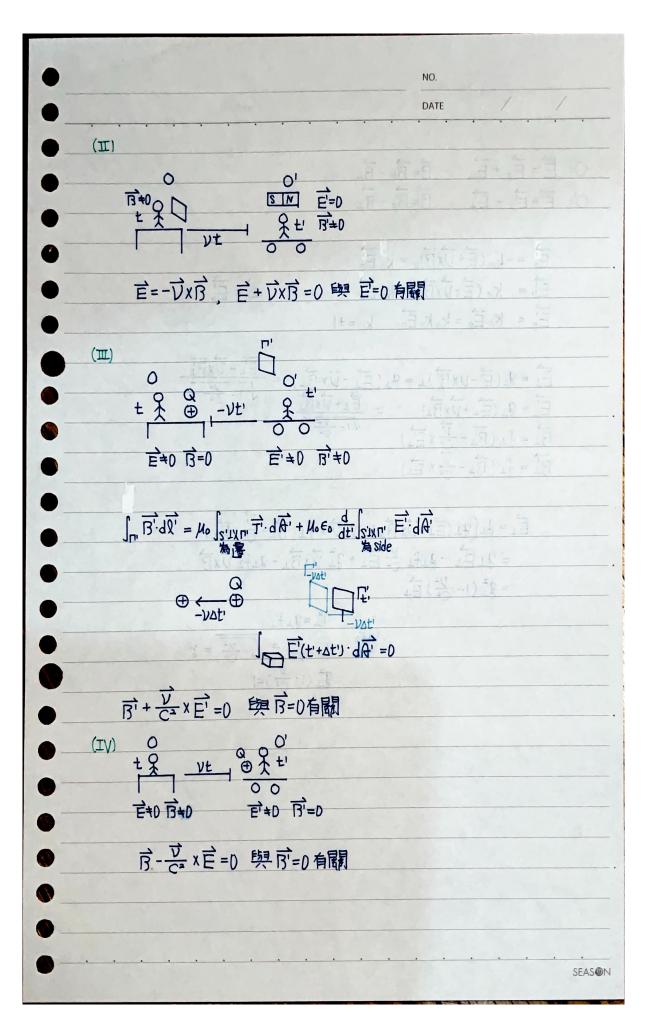


$$\int_{\Gamma'} \overrightarrow{E'} \cdot d\overrightarrow{l'} = -\frac{1}{\Delta t'} \left[ \int_{S'} \overrightarrow{B'}(t'+\Delta t') \cdot d\overrightarrow{\theta'} - \int_{S'} \overrightarrow{B'}(t') \cdot d\overrightarrow{\theta'} \right] \int_{S'} \overrightarrow{B'}(t') \cdot d\overrightarrow{\theta'} = \int_{S'} \overrightarrow{B'}(t'+\Delta t') \cdot d\overrightarrow{\theta'}$$

$$\Rightarrow \int_{\Gamma} \overrightarrow{E'} \cdot d\overrightarrow{l'} = \frac{-1}{\Delta E'} - \int_{\square} \overrightarrow{B}(t' + \Delta t') \cdot d\overrightarrow{R'} = \frac{1}{\Delta t'} \int_{\square} (-\overrightarrow{V} \Delta t' \times d\overrightarrow{l'}) \cdot \underline{\overrightarrow{B}(t' + \Delta t')}$$

$$\downarrow \overrightarrow{R} \cdot (\overrightarrow{B} \times \overrightarrow{C}) = (\overrightarrow{A} \times \overrightarrow{B}) \cdot \overrightarrow{C}$$

$$= \frac{1}{\Delta t^{1}} \int_{\Gamma^{1}} [\overrightarrow{\nabla} \cdot \mathbf{x} \, B^{1}(t + \Delta t^{1})] \cdot d\overrightarrow{R}^{1}$$



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O: 
$$\vec{E} = \vec{E}_{,l} + \vec{E}_{\perp}$$
  $\vec{B} = \vec{B}_{,l} + \vec{B}_{\perp}$ 
O:  $\vec{E} = \vec{E}_{,l} + \vec{E}_{\perp}$   $\vec{B} = \vec{B}_{,l} + \vec{B}_{\perp}$ 

$$\overrightarrow{E}_{n} = -k_{n} (\overrightarrow{E} + \overrightarrow{V} \times \overrightarrow{B})_{n} = k_{n} \overrightarrow{E}_{n}$$

$$\overrightarrow{E}_{n} = k_{n} (\overrightarrow{E} - \overrightarrow{V} \times \overrightarrow{B})_{n} = k_{n} \overrightarrow{E}_{n}$$

$$\overrightarrow{E}_{n} = k_{n} \overrightarrow{E}_{n} = k_{n} k_{n} \overrightarrow{E}_{n}$$

$$\overrightarrow{E}_{n} = k_{n} \overrightarrow{E}_{n} = k_{n} k_{n} \overrightarrow{E}_{n}$$

$$\overrightarrow{E_{\perp}} = g_{\perp}(\overrightarrow{E_{\perp}} - \nu x \overrightarrow{B_{\perp}})_{\perp} = g_{\perp}(\overrightarrow{E_{\perp}} - \nu x \overrightarrow{B_{\perp}})_{\perp} = \frac{\overrightarrow{E_{\perp}} - \nu x \overrightarrow{B_{\perp}}}{\sqrt{1 - \frac{\nu^{2}}{C^{2}}}}$$

$$\overrightarrow{B_{\perp}} = f_{\perp}(\overrightarrow{B_{\perp}} + \frac{\nu}{\nu} x \overrightarrow{B_{\perp}})_{\perp} = \frac{\overrightarrow{E_{\perp}} + \nu x \overrightarrow{B_{\perp}}}{\sqrt{1 - \frac{\nu^{2}}{C^{2}}}}$$

$$\overrightarrow{B_{\perp}} = f_{\perp}(\overrightarrow{B_{\perp}} - \frac{\nu}{\nu} x \overrightarrow{E_{\perp}})_{\perp}$$

$$\overrightarrow{B_{\perp}} = f_{\perp}(\overrightarrow{B_{\perp}} - \frac{\nu}{\nu} x \overrightarrow{E_{\perp}})_{\perp}$$

$$\vec{E_{1}} = \delta^{T} \left( \vec{B_{1}} + \vec{D_{1}} \times \vec{B_{1}} \right) - \delta^{T} \vec{D} \times \vec{B_{1}} - \delta^{T} \vec{D} \times \vec{B_{1}}$$

$$= \delta^{T} \vec{E_{1}} - \delta^{T} \vec{b_{1}} + \delta^{T} \vec{D} \times \vec{B_{1}} + \delta^{T} \vec{D} \times \vec{B_{1}} - \delta^{T} \vec{b_{1}} + \delta^{T} \vec{D} \times \vec{B_{1}} \right)$$

$$= \delta^{T} \left( \vec{B_{1}} - \vec{C_{2}} \times \vec{B_{1}} \right) - \delta^{T} \vec{D} \times \vec{B_{1}} + \delta^{T} \vec{D} \times \vec{B_{1}} - \delta^{T} \vec{b_{1}} + \delta^{T} \vec{D} \times \vec{B_{1}} \right)$$

$$= \delta^{T} \left( \vec{B_{1}} - \vec{C_{2}} \times \vec{B_{1}} \right) - \delta^{T} \vec{D} \times \vec{B_{1}} + \delta^{T} \vec{D} \times \vec{B_{1}} + \delta^{T} \vec{D} \times \vec{B_{1}} \right)$$

$$g_{7}^{T} = f_{1} = \sqrt{1 - \frac{C_{2}}{\Lambda_{2}}} = \lambda$$

$$g_{7}^{T} = g_{7} + f_{1}$$