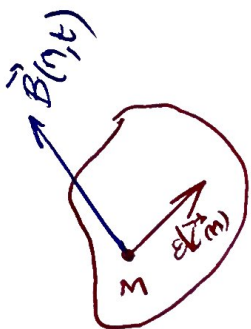


Forces de Laplace



(D)

$$\vec{F}_L = \int_{M \in D} d\vec{P}_L = \int_{M \in D} d\vec{C}(M) \wedge \vec{B}(M,t)$$

$$\vec{\Gamma}_{o,L} = \int \vec{OM} \wedge d\vec{F}_L = \int \vec{OM} \wedge (d\vec{C}(M) \wedge \vec{B}(M,t))$$

$$\vec{F}_L = i \cdot \text{grad } \phi$$

$$F_k = \frac{\partial \phi}{\partial x_k}$$

$$\delta^2 \psi_c = \vec{B} \cdot (d\vec{r} \wedge dt)$$

$$\delta W_L = i(t) \delta \psi_c$$

entre t et $t+dt$

Si \vec{B} est permanent :

$$\delta \psi_c = d\phi$$

et

$$E_p = -\mathcal{I} \phi$$