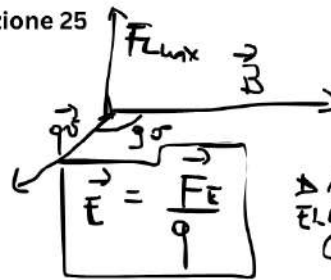


Lezione 25

$$F_L = qvB \sin \alpha$$

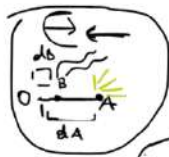
$$\vec{B} = \frac{\vec{F}_L}{qv \sin \alpha}$$

CAMPO MAGNETICO



DAL CAMPO
ELETTROSTATICO
(ELETTRICO)

$$\frac{N}{\frac{C \cdot m}{s}} = \frac{N \cdot s}{C \cdot m} = 1 T \text{ (Tesla)}$$



$$X(\text{LUMINOSO}) = X(\text{SANTO})$$

$$\frac{dA}{dB} = \frac{dA}{dB} = 10 \text{ Km}$$

$$\frac{dB}{dB} = \frac{dB}{dB} = 30 \text{ m}$$

$$t_0 = 0 \text{ s}$$

$$v_S = 343,21 \frac{\text{m}}{\text{s}}$$

$$v_L = 299,702,547 \frac{\text{m}}{\text{s}}$$

$$X_{\text{L}} = X_{0A} + v_L(t - X/c) = X_{0A} + v_L t$$

$$X_{\text{S}} = X_{0B} + v_S(t - X/c) = X_{0B} + v_S t$$

$$X_{0A} + v_L t = X_{0B} + v_S t$$

$$10000 \text{ m} + (299,702,547 \frac{\text{m}}{\text{s}})t = 30 \text{ m} + (343,21 \frac{\text{m}}{\text{s}})t$$

$$(299,702,547 \frac{\text{m}}{\text{s}} + 343,21 \frac{\text{m}}{\text{s}})t = (30 - 10000) \text{ m}$$

$$(299,702,890,21 \frac{\text{m}}{\text{s}})t = -9970 \text{ m}$$

$$t = 3,32 \cdot 10^{-5} \text{ s}$$

$$X_{\text{S}} = X_{0B} + v_S t = 30 \text{ m} + (343,21 \frac{\text{m}}{\text{s}}) \cdot (3,32 \cdot 10^{-5} \text{ s})$$

$$X_{\text{S}} = 30 \text{ m} + 1139,4572 \cdot 10^{-5} \text{ m}$$

$$X_{\text{L}} = 30 \text{ m} + 0,01139 \text{ m} = 30,01139 \text{ m}$$

$$\Delta X = X_{\text{S}} - X_{\text{L}} = 0,01 \text{ m} \checkmark$$

$$x_1(t) = 3 - 5t$$

$$x_2(t) = 16 + 12t$$



$$1) x_1(t) = x_2(t)$$

$$3 - 5t = 16 + 12t$$

$$-17t = 13 \quad t = \frac{13}{-17} = \boxed{0,765}$$

$$2) \underline{F = 60s}$$

$$x_1(F) = 3 - 5 \cdot 60 = 3 - 300 = -297 \text{ m}$$

$$x_2(F) = 16 + 12 \cdot 60 = 16 + 720 = 736 \text{ m}$$

$$|x_2(F) - x_1(F)| = |736 \text{ m} - (-297 \text{ m})| = \underline{\underline{1033 \text{ m}}}$$

$$1) t: x_1(t) = x_2(t)$$

$$2) d_{12}(t = 1 \text{ min})$$