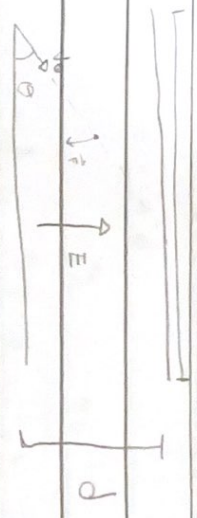


5



$$\vec{F} = e^- E = m \ddot{z}$$

$$\ddot{z} = \frac{e^- E}{m}$$

$$z_x = \left(\frac{e^- E}{m} \right) \frac{t^2}{2} + v_0 \sin \theta t + z_0$$

$$z_x = v_0 \cos \theta t + z_0$$

$$z_x = d$$

$$\left(\frac{e^- E}{m} \right) \frac{t^2}{2} + v_0 \sin \theta t = d$$

$$t = 4.17 \times 10^{-9} \text{ s}$$

$$z_x = 2.026 \text{ cm} \quad ?$$

Obtenga en la derivada