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$$\frac{q}{m} = 5,7 \cdot 10^8 \text{ C/kg}$$

$$B = 0,72 \text{ T}$$

$$\alpha = 90^\circ$$

$$t = ? \rightarrow q \omega t \rightarrow \Delta q \omega t = 2\pi z$$

$$z = \frac{m v}{q B}$$

$$v = \frac{z \cdot q B}{m} =$$

$$v = \sqrt{\frac{2 q V}{m}}$$

$$\sqrt{\frac{m v}{q B}} = \frac{2 q B}{m}$$

$$\frac{m v^2}{2} \Rightarrow v = \sqrt{\frac{m v}{q B}}$$

$$\frac{m v^2}{2} = q v B \sin 90^\circ$$

B =

Nota arc uny.

$$v = \frac{2\pi z}{t}$$

$$\frac{2\pi r}{T} = \frac{v_{QB}}{m}$$

$$T = \frac{2\pi m}{qB} =$$

$$= \frac{2\pi}{0,72\pi} \cdot \frac{1}{5,7 \cdot 10^8 \text{ C/kg}} = 1,53 \times 10^{-8} \text{ s}$$