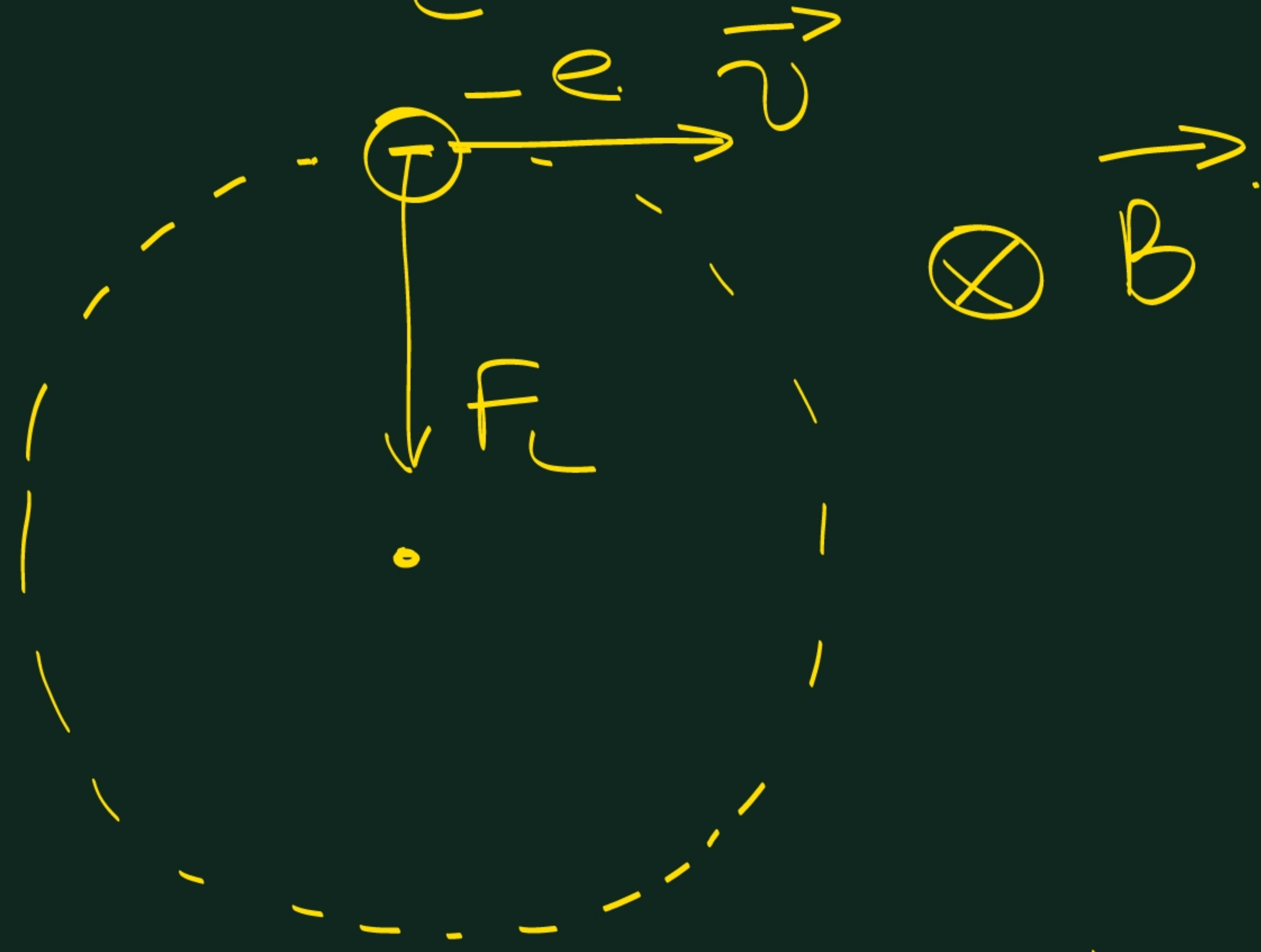


Δύναμη Lorentz

Αν $\vec{v} \perp \vec{B}$

τότε $\eta \gamma \theta = 1$

οπότε: $F_L = |q| \cdot v \cdot B$



Αρα: $F_L = F_k \Rightarrow$
 $|q| \cdot v \cdot B = \frac{mv^2}{R} \Rightarrow$

$$R = \frac{mv}{|q| \cdot B}$$

$$L = mvR = \frac{mv^2}{|q| \cdot B} = \frac{2K}{|q| \cdot B} \text{ (εργοφορμή)}$$

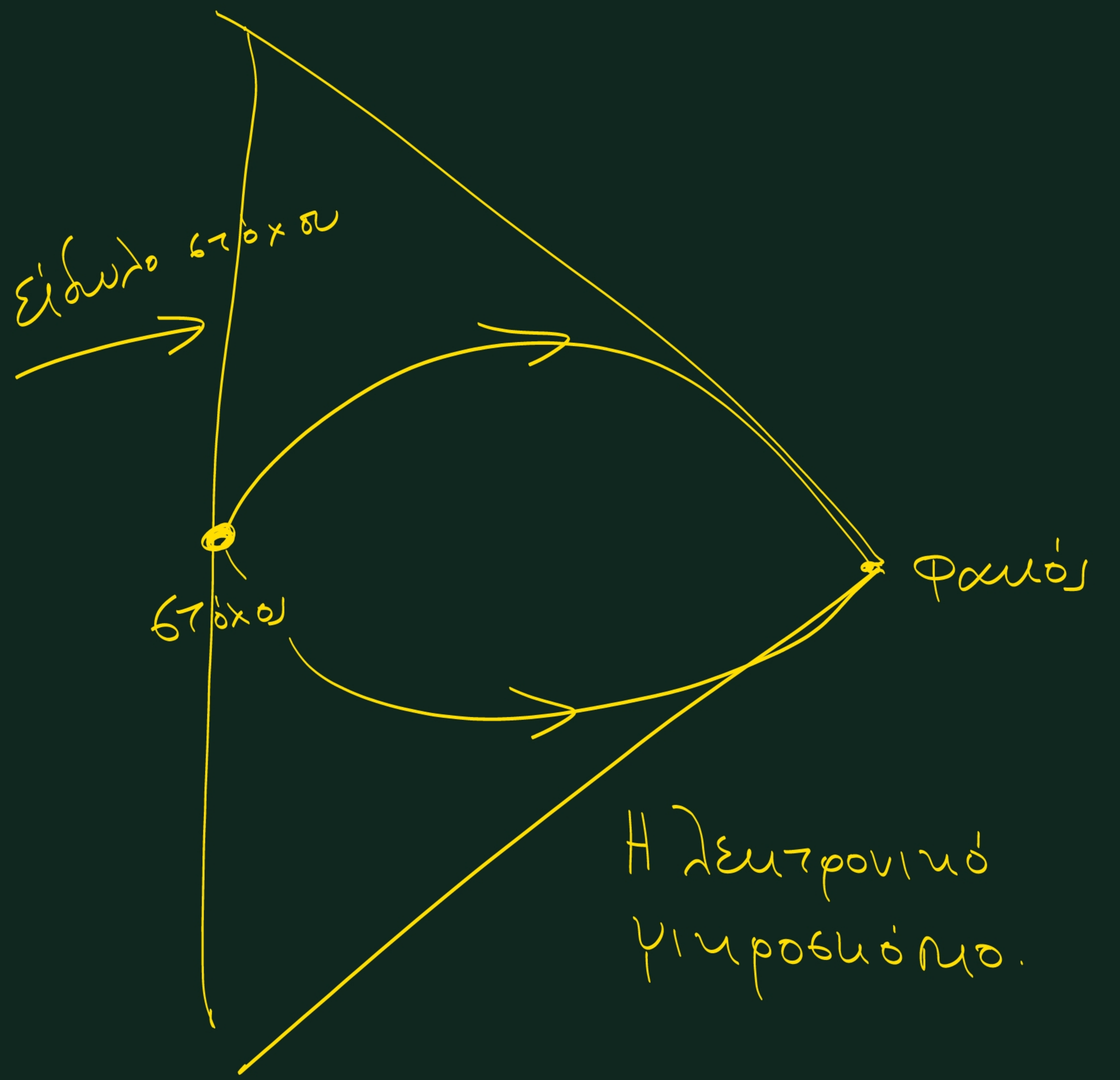
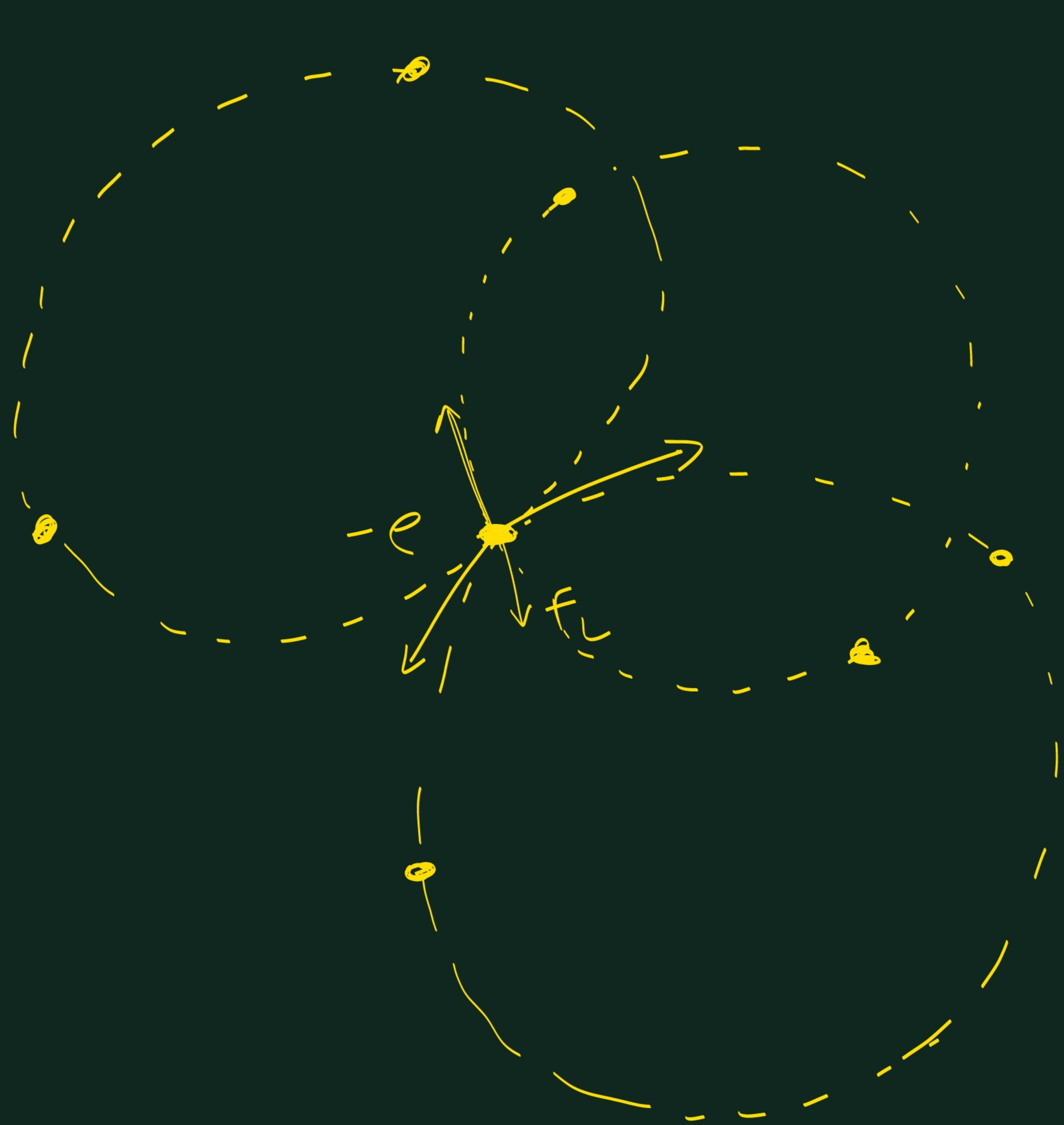
$$R = \frac{p}{|q| \cdot B}$$

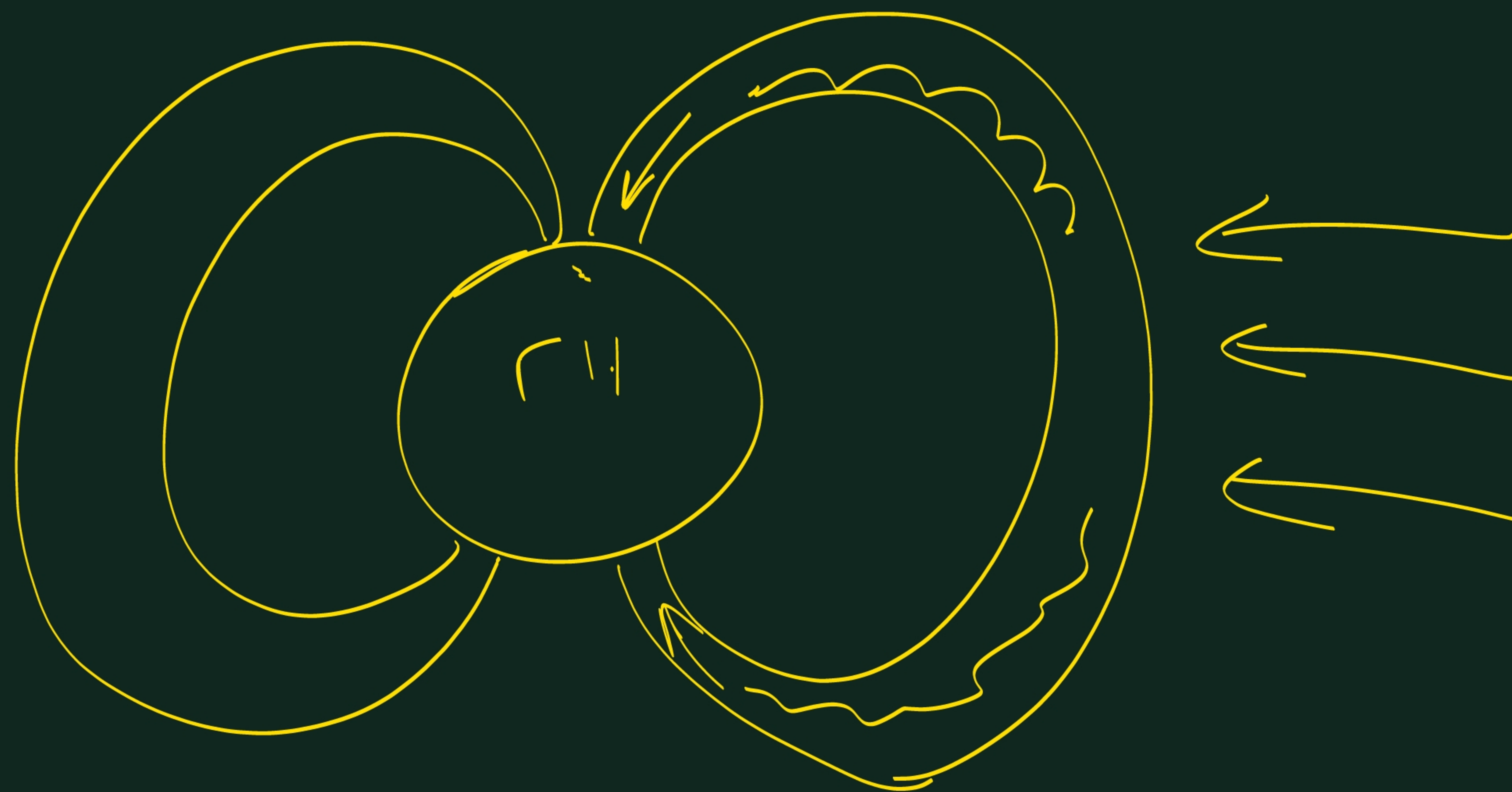
$$B \propto I$$

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ως
ταχύτητας.

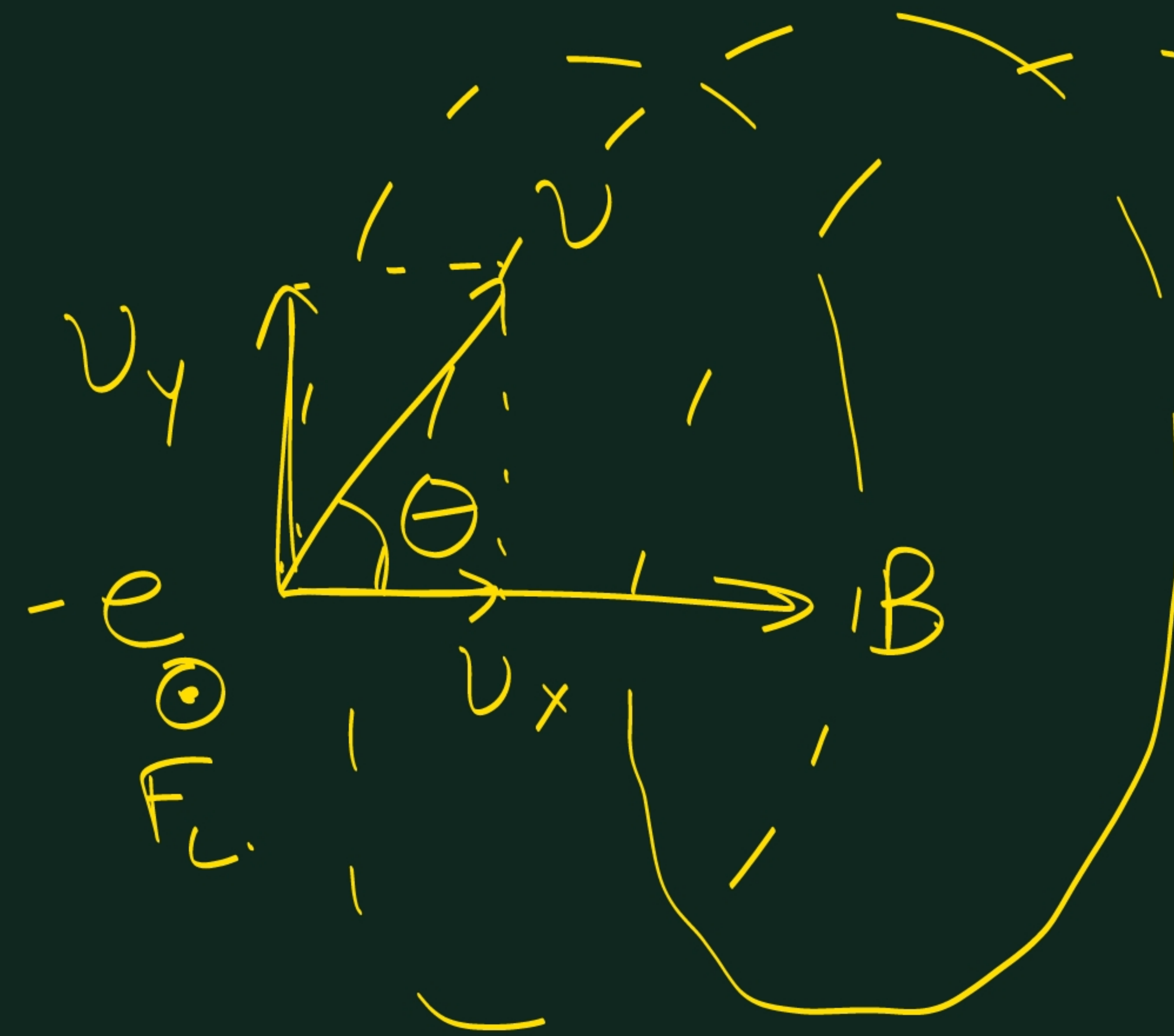
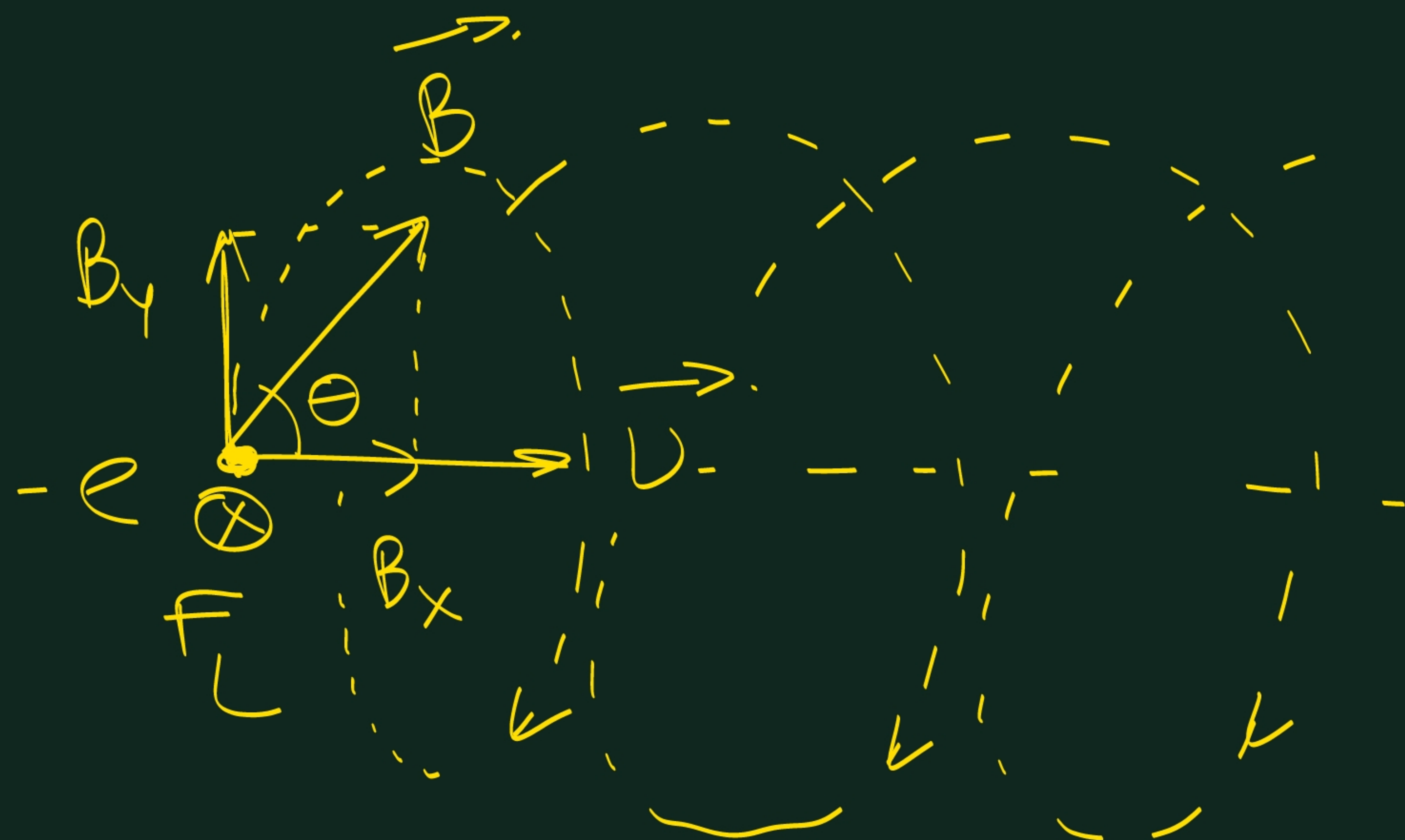
$$v = \frac{2\pi R}{T} \Rightarrow v = \frac{2\pi}{T} \cdot \frac{mv}{|q| \cdot B} \Rightarrow$$

$$T = \frac{2\pi m}{|q| \cdot B}$$





Επιμορφισ μινου.



$$\ell = v_x T$$

$$T = \frac{2\pi m}{|q| \cdot B} = \frac{2\pi m}{e B}$$

$$\ell = v_x T = v \cdot \sin \theta \cdot \frac{2\pi m}{|q| \cdot B}$$