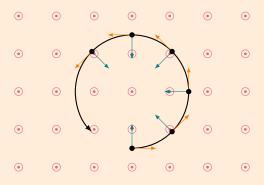
210622MAG02E

work done in a constant magnetic field



$$\vec{B} \odot$$

$$\vec{v} \rightarrow$$

$$q \odot$$

$$\vec{F}_m \rightarrow$$

$$W = \int \vec{F}_m \cdot d\vec{r} = \int q \left(\vec{v} \times \vec{B} \right) \cdot \vec{v} dt = 0$$