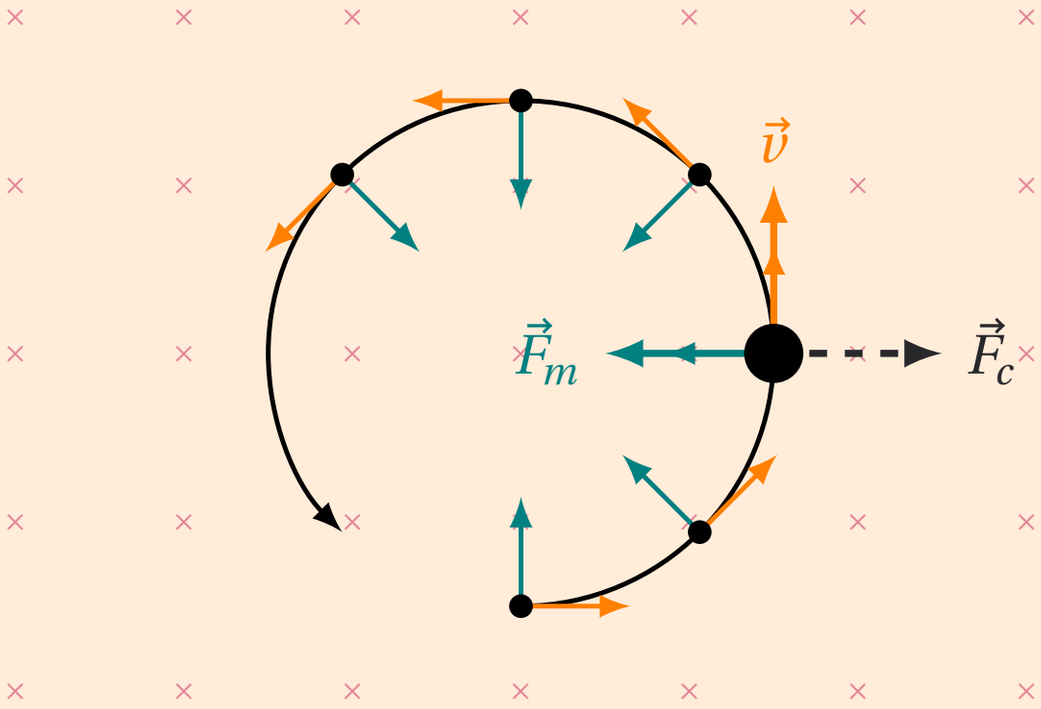
radius of the path in uniform magnetic field



$\vec{B}$ ×
$\vec{v}$ →
q •
$\vec{F}_m$ →

$$F_m = F_c \Rightarrow q\,v\,B = \frac{m\,v^2}{r} \Rightarrow r = \frac{m\,v}{q\,B}$$

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