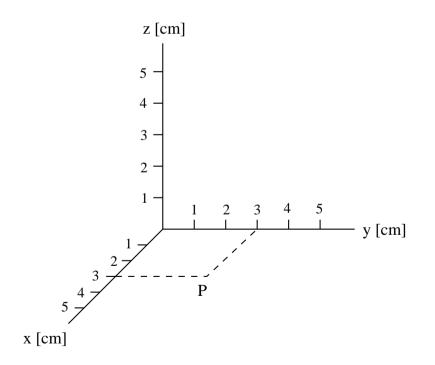


experiences a force $\mathbf{F} = 9.0 \times 10^{-19} \mathrm{N} \,\hat{\mathbf{i}}$ as it passes through point *P* with velocity

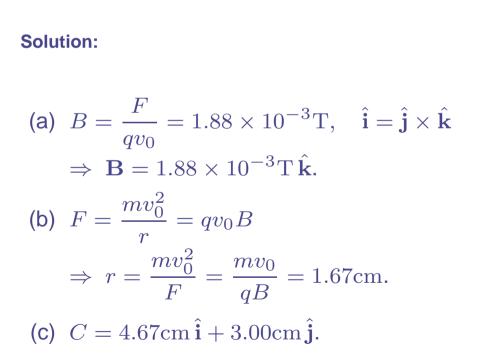
- $\mathbf{v}_0 = 3000 \mathrm{m/s}\,\hat{\mathbf{j}}$ on a circular path.
- (a) Find the magnetic field **B** (magnitude and direction).
- (b) Calculate the radius r of the circular path.

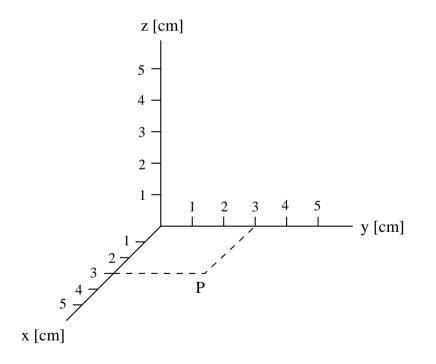




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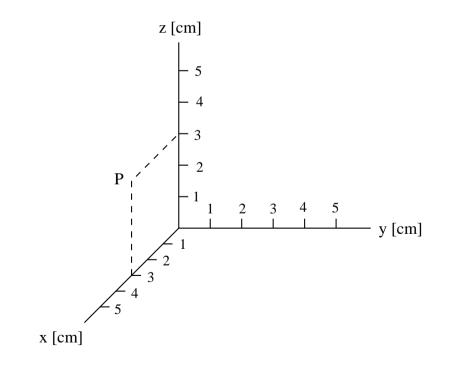






experiences a force $\mathbf{F} = 8.0 \times 10^{-19} \mathrm{N} \,\hat{\mathbf{i}}$ as it passes through point *P* with velocity

- $\mathbf{v}_0 = 2000 \mathrm{m/s} \, \hat{\mathbf{k}}$ on a circular path.
- (a) Find the magnetic field **B** (magnitude and direction).
- (b) Calculate the radius r of the circular path.





experiences a force $\mathbf{F} = 8.0 \times 10^{-19} \mathrm{N} \,\hat{\mathbf{i}}$ as it passes through point P with velocity

- $\mathbf{v}_0 = 2000 \mathrm{m/s} \, \hat{\mathbf{k}}$ on a circular path.
- (a) Find the magnetic field **B** (magnitude and direction).
- (b) Calculate the radius r of the circular path.

