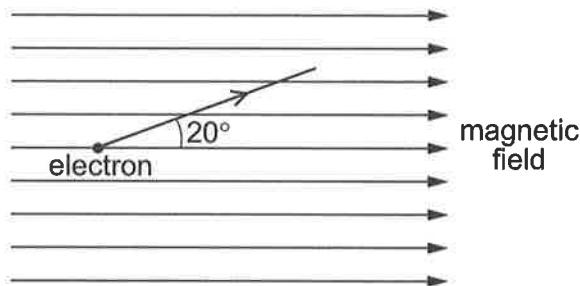


- 23 An electron moves in a vacuum at an angle of 20° to a magnetic field of magnetic flux density 0.088 T.



The force on the electron is 4.3×10^{-14} N.

What is the speed of the electron?

- A 6.9×10^4 ms $^{-1}$
- B 1.0×10^6 ms $^{-1}$
- C 3.2×10^6 ms $^{-1}$
- D 8.9×10^6 ms $^{-1}$