

6 An experiment is done to measure the resistance of a wire.

The current in the wire is $1.0 \pm 0.2 \text{ A}$ and the potential difference across the wire is $8.0 \pm 0.4 \text{ V}$.

What is the resistance of the wire and its uncertainty?

A $(8.0 \pm 0.2) \Omega$

B $(8.0 \pm 0.6) \Omega$

C $(8 \pm 1) \Omega$

D $(8 \pm 2) \Omega$

7 A particle is moving in a straight line with uniform acceleration