

29 The x-coordinate of an electron is measured with an uncertainty of 0.20 mm and the minimum percentage uncertainty in a simultaneous measurement of v_x is 1.0 %. What is the x-component of the electron's velocity v_x ?

A 3.6 m s^{-1}

B 18 m s^{-1}

C 360 m s^{-1}

D 1800 m s^{-1}