

- 1 In an experiment, the perpendicular distance of a point from a long straight conductor carrying a constant current is measured and the perpendicular distance is used to calculate the magnetic flux density due to the long straight current-carrying conductor at that point. The experiment is repeated for a few points.

Which graph shows how the percentage uncertainty in the magnetic flux density of the long straight current-carrying conductor, y , varies with the percentage uncertainty in the perpendicular distance from the conductor, x ?

