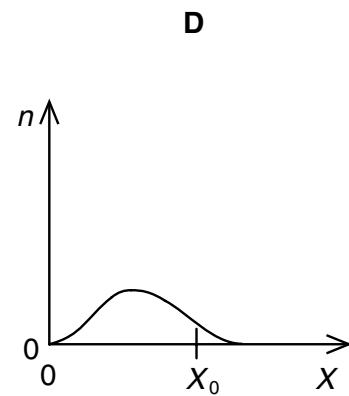
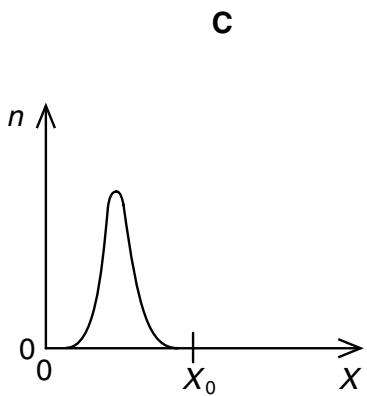
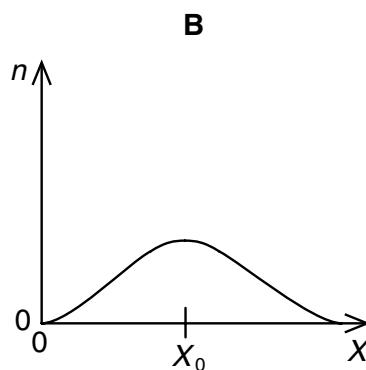
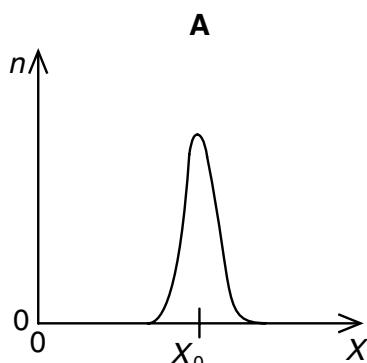


- 6 A quantity X is measured many times. A graph is plotted showing the number n of times a particular value of X is obtained. X has a true value X_0 .

Which graph could be obtained if the measurement of X has a large systematic error but a small random error?



- 7 The diagram shows a square-wave trace on the screen of a cathode-ray oscilloscope. A grid of