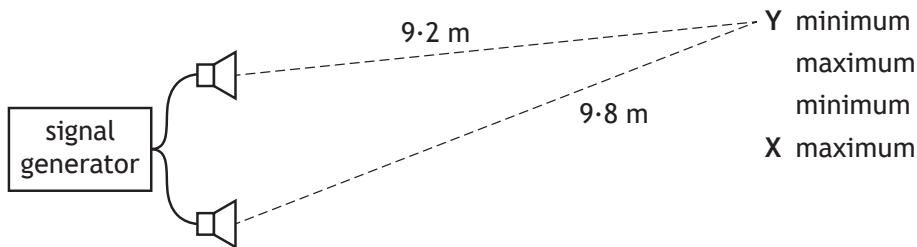


18. Two identical loudspeakers are connected to a signal generator as shown.



A microphone detects a maximum of sound at position X.

The microphone is now moved from X to Y.

As the microphone is moved from X to Y, a series of maxima and minima of sound are detected.

The microphone detects the second **minimum** of sound at position Y.

The wavelength of sound emitted by the loudspeakers is

- A 0.17 m
- B 0.24 m
- C 0.30 m
- D 0.40 m
- E 0.60 m.