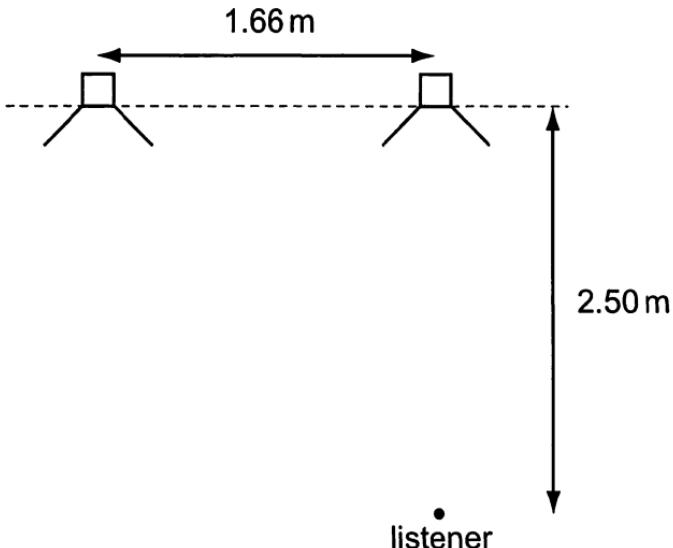


- 18 Two loudspeakers are placed on a horizontal line 1.66 m apart. A listener is standing 2.50 m from, and directly in front of, the right-hand loudspeaker.



Both loudspeakers emit sound of frequency 330 Hz. The speed of the sound is 330 m s^{-1} .

What is the phase difference between the sound waves reaching the listener from the two loudspeakers?

A 0°

B 90°

C 180°

D 360°