16 Two sound waves, both of frequency 200 Hz but with a phase difference of 30.0°, travel along the same path.

What is the smallest separation of the compressions of these waves? The speed of sound is $324\,\mathrm{ms^{-1}}$.

A   0.135 m   B   0.270 m   C   0.540 m   D   1.49 m

directions, diminishes with distance r in