

Homework 19

Problems:

1. Speed of sound in water 1450m/s . What is the distance between two closest points where the air density oscillates in the opposite phases (the phase difference is π) if the oscillation frequency is equal to 725Hz?
2. The speed of the waves is 360m/s at the frequency of 450Hz. What is the difference of oscillation phases between two points separated by 20cm?