4.5 STANDING WAVES WOUTH WAR THE When two waves of same speed, wavelength by amplitude travelling in opposite directions meet, a standing wave is formed. The resulting wave has a displacement of that is sum of the displacements of the two travelling waves Observations about standing waves: 4 Crests do not move left or right. They stay at the same place. LAT points of destructive interference, the displacement is always zero. These are points are nodes La Hay-way between nodes, due to constructive interference are antinodes. La Points between consecutive nodes are in phase It implies that such points have velocity in the same direction. 4 Points in-between the next pair of consecutive nodes have a velocity that is opposite were

Just Ask



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