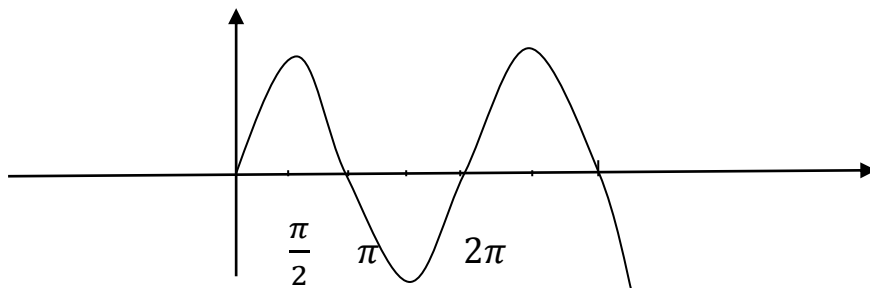


Question #62369, Physics / Other

calculate the smallest phase difference in degrees and radians for two points along a wave that are a 1/4 of a cycle out of phase?

The answer to the question.



$$\Delta\varphi = \frac{\pi}{2} \text{ [rad]};$$

$$\Delta\varphi = \frac{90^\circ}{2} = 45^\circ;$$

$$\text{Answer: } \Delta\varphi = \frac{\pi}{2} \text{ [rad]}; \Delta\varphi = \frac{90^\circ}{2} = 45^\circ$$