

Answer on Question #45403-Physics-Mechanics-Kinematics-Dynamics

Waves generate in a ripple tank when water is distributed in it periodically?

Answer

No. Waves are generated when an observer dips a rod or his finger into the water of ripple tank. Straight pulses are produced by dipping a finger or a straight rod periodically in water. Circular pulses are produced by dipping the pointed end of a rod periodically in water. The water is distributed in a ripple tank periodically, when we periodically make pulses using a finger or a straight rod.