

Oscillatory or Vibratory Motion.

Oscillatory or vibratory motion is that motion in which a body moves to and fro or back and forth repeatedly about a fixed point in a definite interval of time. In such a motion, the body is confined within well-defined limits on either side of mean position.

Oscillatory motion is also called as harmonic motion.

Example:

- (i) The motion of the pendulum of a wall clock.
- (ii) The motion of a load attached to a spring, when it is pulled and then released.
- (iii) The motion of liquid contained in U- tube when it is compressed once in one limb and left to itself.
- (iv) A loaded piece of wood floating over the surface of a liquid when pressed down and then released executes oscillatory motion.