

Answer on question #42835, Physics, Other

### **Types of motion**

- [Simple harmonic motion](#) – (e.g., that of a [pendulum](#)).
- [Anharmonic motion](#)
- [Periodic motion](#)
- Rectilinear motion ([Linear motion](#)) – motion which follows a straight [linear](#) path, and whose [displacement](#) is exactly the same as its [trajectory](#).
- [Reciprocal motion](#) (e.g. vibration)
- [Brownian motion](#) (i.e. the random movement of particles)
- [Circular motion](#) (e.g. the [orbits](#) of planets)
- [Rotary motion](#) – a motion about a fixed point. (e.g. [Ferris wheel](#)).
- [Curvilinear motion](#) – It is defined as the motion along a curved path that may be planar or in three dimensions.
- [Rotational motion](#)
- [Rolling motion](#) - (as of the wheel of a bicycle)
- [Oscillation](#)
- Combination motions - Combination of two or more above listed motions
- Projectile motion - uniform horizontal motion + vertical accelerated motion