ROLYMP

DEFINITION: when an object turns around a central axis. Rotational speed is defined as the number of turns around an axis over a given time.

The idea of rotation can be found in many places from children's toys (merry go rounds) to household appliances (washing machines). In modern language, the description of rotation is often used interchangeably with 'spin' and 'revolution'. By measuring how many rotations (or cycles) an object makes over a certain amount of time, we can compare how quickly each is turning.

Units: revolutions per minute (RPM), one cycle per second (Hertz)

OLYMPIC EXAMPLE

Figure Skating: Ice skaters can rotate 5 Hertz — about 10 times faster than a ceiling fan.



www.nasa.gov chandra.si.edu/olympics