

Harmonic and Non-harmonic Oscillation.

Harmonic oscillation is that oscillation which can be expressed in terms of single harmonic function (i.e. sine or cosine function). Example: $y = a \sin \omega t$ or $y = a \cos \omega t$

Non-harmonic oscillation is that oscillation which cannot be expressed in terms of single harmonic function. It is a combination of two or more than two harmonic oscillations. Example:
 $y = a \sin \omega t + b \sin 2\omega t$