

SUPERPOSITION

Meaning: Superposition is the principle in physics and quantum mechanics that describes a system's ability to exist in multiple states or configurations simultaneously until an observation or measurement is made.

1. The concept of superposition in physics explains how multiple states can exist simultaneously.
2. In quantum mechanics, the principle of superposition allows particles to occupy multiple states until measured.
3. Superposition is often illustrated with the famous thought experiment involving Schrödinger's cat.
4. In audio engineering, superposition is used to combine different sound waves to create a richer audio experience.
5. The superposition of different light waves can result in fascinating interference patterns.

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