

Physics Terminology (Speedy Study Guide)

PHYSICS TERMINOLOGY	
Term	Definition
Absolute humidity	The ratio of water vapor in a sample of air to the volume of the sample.
Absolute zero	The temperature of -273.15 or 0 K at which molecular motion ceases.
Absorptance	The ratio of the total absorbed radiation to the total incident radiation.
Acceleration	The rate of change of velocity with respect to time.
Acceleration due to gravity	The acceleration imparted to bodies by the attractive force of the earth or any other heavenly body.
Achromatic	Capable of transmitting light without decomposing it into its constituent colors.
Acoustics	The science of the production, transmission and effects of sound.
Acoustic shielding	A sound barrier that prevents the transmission of acoustic energy.
Adiabatic	Any change in which there is no gain or loss of heat.
Afocal lens	A lens of zero convergent power, whose focal points are infinitely distant.
Albedo	The fraction of the total light incident on a reflecting surface, especially a celestial body, which is reflected back in all directions.
Alpha particle	The nucleus of a helium atom (two protons and two neutrons) emitted as radiation from a decaying heavy nucleus.
Alternating current	The electric current that changes its direction periodically.
Amorphous	Subs which have neither definite form nor structure.
Ampere	S.I. Unit of electric current, one ampere is the flow of one coulomb of charge per second.
Amplitude	The maximum absolute value attained by the disturbance of a wave or by any quantity that varies periodically.
Angle of contact	The angle between tangents to the liquid surface and the solid surface inside the liquid, both the tangents drawn at the point of contact.
Angle of incidence	The angle between the incident ray and the normal.
Angle of reflection	The angle between the reflected ray and the normal.
Angle of refraction	The angle between the refracted ray and the normal.
Angle of repose	The angle of inclination of a plane with the horizontal such that a body placed on the plane is at the verge of sliding.
Angstrom	A unit of length, $1 = 10^{-10}$ m.
Angular momentum	Also called moment of momentum, it is the cross product of position vector and momentum.
Angular velocity	The rate of change of angular displacement with time.
Annihilation	A process in which a particle and antiparticle combine and release their rest energies in other particles.
Antineutrino	The antiparticle of neutrino, it has zero mass and spin $\frac{1}{2}$.
Atomic mass unit	It is equal to one twelfth the mass of ^{12}C isotope of carbon, $1 \text{ amu} = 1.66 \times 10^{-27} \text{ kg}$.
Atomic number	The number of protons in an atomic nucleus.
Avogadro number	The number of molecules in a gram molecular weight of a substance, it is equal to 6.02×10^{23} .
Balmer lines	Lines in the spectrum of hydrogen atom in visible range, produced by transition between $n=2$ and $n=3, 4, 5, \dots$ is the principal quantum no.
Bar	A unit of pressure, equal to 10^5 Pascals.
Baryon	Subatomic particle composed of three quarks.

Filesize: 8.11 MB

Reviews

It is really an remarkable book which i have ever go through. It can be writter in simple terms and not difficult to understand. I am just effortlessly can get a enjoyment of reading a composed pdf.
 (Dr. Lily Wunsch II)

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