

Physics Terminology (Speedy Study Guide)

| PHYSICS TERMINOLOGY | |
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| 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 $n>2$, n is the principal quantum no. |
| Bar | A unit of pressure, equal to 10^5 Pascals. |
| Baryon | Subatomic particle composed of three quarks. |

Filesize: 1.83 MB

Reviews

This publication is wonderful. it was actually writtern very completely and beneficial. You may like the way the writer compose this publication.

(Prof. Aisha Mosciski PhD)

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