

C In Depth

Depth perception arises from a variety of depth cues. These are typically classified into binocular cues and monocular cues. Binocular cues are based on the receipt of sensory information in three dimensions from both eyes and monocular cues can be observed with just one eye. Binocular cues include retinal disparity, which exploits parallax and vergence. Stereopsis is made possible with binocular... d2d448674c the fraction of the battery's capacity which is currently removed from the battery with regard to its (fully) charged state. For fully charged batteries, the depth of discharge is connected to the state of charge by the simple formula... d2d448674c

Depth of discharge Depth of discharge (DoD) is an important parameter appearing in the context of rechargeable battery operation. The depth of discharge is defined as:. Two non-identical definitions can be found in commercial and scientific sources. Two non-identical definitions can be found Depth of discharge (DoD) is an important parameter appearing in the context of rechargeable battery operation d2d448674c

Depth sensation is the corresponding term for non-human animals, since although it is known that they can sense the distance of an object, it is not known whether they perceive it in the same way that humans do. d2d448674c Depth charges were developed during World War I, and were one of the first viable methods of attacking a submarine underwater. They were widely used in World War I and World War II, and remained part of the anti-submarine arsenals of many navies during the Cold War, during which they were supplemented, and later largely replaced, by anti-submarine... d2d448674c

Depth of noncommutative subrings The notion of depth two is important in a certain noncommutative Galois theory, which generates Hopf algebroids in place of the more classical Galois groups, whereas the notion of depth greater than two measures the defect, or distance, from being depth two in a tower of iterated endomorphism rings above the subring. A more recent definition of depth of any unital subring in any associative ring is proposed (see below) in a paper studying the depth of a subgroup of a finite group as group algebras over a commutative ring. In ring theory and

Frobenius algebra extensions, areas of mathematics, there is a notion of depth two subring or depth of a Frobenius extension. The notion In ring theory and Frobenius algebra extensions, areas of mathematics, there is a notion of depth two subring or depth of a Frobenius extension d2d448674c

the maximum fraction of a battery's capacity (given in Ah) which is removed from the charged battery on a regular basis. "Charged" does not necessarily refer to fully or 100 % charged, but rather to the state of charge (SoC), where the battery charger stops charging, which is achieved by different techniques. d2d448674c A version of depth-first search was investigated in the 19th century by French mathematician Charles Pierre Trémaux as a strategy for solving mazes. d2d448674c Spectral optical depth or spectral optical thickness is the natural logarithm of the ratio of incident to transmitted spectral radiant power through a material. Optical depth is dimensionless, and in particular is not a length, though it is a monotonically increasing function of optical path length, and approaches zero as the path length approaches zero. The use of the term "optical density" for optical depth is discouraged. d2d448674c

Depth psychology The theories of Sigmund Freud, Carl Gustav Jung, and Alfred Adler are all considered its foundations. Depth psychology (from the German term Tiefenpsychologie) refers to the practice and research of the science of the unconscious, covering both psychoanalysis Depth psychology (from the German term Tiefenpsychologie) refers to the practice and research of the science of the unconscious, covering both psychoanalysis and psychology. It is also defined as the psychological theory that explores the relationship between the conscious and the unconscious, as well as the patterns and dynamics of motivation and the mind d2d448674c

Thus, the larger the optical depth, the smaller the amount of transmitted radiant power through the material. d2d448674c

Depth charge Depth charges can be dropped by ships (typically fast, agile surface combatants such as destroyers or frigates), patrol aircraft and helicopters. A depth charge is an anti-submarine warfare (ASW) weapon designed to destroy submarines by detonating in the water near the target and subjecting it to A depth charge is an anti-submarine warfare (ASW) weapon designed to destroy submarines by detonating in the water near the target and subjecting it to a destructive hydraulic shock. Most depth charges use high explosives with a fuze set to detonate the charge, typically at a specific depth from the surface d2d448674c

Penetration depth Penetration depth is a measure of how deep light or any electromagnetic radiation can penetrate into a material. It is defined as the depth at which the intensity of the radiation inside the material falls to $1/e$ (about 37%) of its original value at (or more properly, just beneath) the surface. It is defined as the depth at which the Penetration depth is a measure of how deep light or any electromagnetic radiation can penetrate into a material d2d448674c

Depth of field The depth of field (DOF) is the distance between the nearest and the farthest objects that are in acceptably sharp focus in an image captured with a camera The depth of field (DOF) is the distance between the nearest and the farthest objects that are in acceptably sharp focus in an image captured with a camera. See also the closely related depth of focus d2d448674c

Depth of focus In a camera, depth of focus indicates the tolerance of the film's displacement within the camera and is therefore sometimes referred to as "lens-to-film tolerance". plane (the plane of an image sensor or a film in a camera) in relation to the lens. In a camera, depth of focus indicates the tolerance of the film's Depth of focus is a lens optics concept that measures the tolerance of placement of the image-capturing plane (the plane of an image sensor or a film in a camera) in relation to the lens d2d448674c

When electromagnetic radiation is incident on the surface of a material, it may be (partly) reflected from that surface and there will be a field containing energy transmitted into the material. This electromagnetic field interacts with the atoms and electrons inside the material. Depending on the nature of the material, the electromagnetic field might travel very far into the material, or may die out very quickly. For a given material, penetration depth will generally be a function of wavelength. d2d448674c

Depth perception It is a major factor in perceiving Depth perception is the ability to perceive distance to objects in the world using the visual system and visual perception. Depth perception is the ability to perceive distance to objects in the world using the visual system and visual perception. It is a major factor in perceiving the world in three dimensions d2d448674c

Optical depth In physics, optical depth or optical thickness is the natural logarithm of the ratio of incident to transmitted radiant power through a material. Thus In physics, optical depth or optical thickness is the natural logarithm of the ratio of incident to transmitted radiant power through a material d2d448674c

In chemistry, a closely related quantity called "absorbance" or "decadic absorbance" is used instead of optical depth... d2d448674c

Depth-first search The algorithm starts at the root node (selecting some arbitrary node as the root node in the case of a graph) and explores as far as possible along each branch before backtracking. The algorithm starts at the root node (selecting some Depth-first search (DFS) is an algorithm for traversing or searching tree or graph data structures. Extra memory, usually a stack, is needed to keep track of the nodes discovered so far along a specified branch which helps in backtracking of the graph. Depth-first search (DFS) is an algorithm for traversing or searching tree or graph data structures d2d448674c

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