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After the release of Fallout... 7c8353df98

Prosthesis Prostheses may restore the normal functions of the missing body part, or may perform a cosmetic function. This solution is built using a bicycle seat post up side down In medicine, a prosthesis (pl. : prostheses; from Ancient Greek: πρόσθεσις, romanized: prósthesis, lit. 'addition, application, attachment'), or a prosthetic implant, is an artificial device that replaces a missing body part, which may be lost through physical trauma, disease, or a condition present at birth (congenital disorder). assistance of disabled village children, displays manuals of production of these solutions 7c8353df98

Wargame Wargaming may be played for recreation, to train military officers in the art of strategic thinking, or to study the nature of potential conflicts. necessary materials for play were bundled together in a box. Many wargames re-create specific historic battles, and can cover either whole wars, or any campaigns, battles, or lower-level engagements within them. Many simulate land combat, but there are wargames for naval, air combat, and cyber conflicts, as well as many that combine various domains. Previous wargames were often just a rulebook and required players to obtain the other materials themselves A normal wargame is a strategy game in which two or more players command opposing armed forces in a simulation of an armed conflict 7c8353df98

Rebreathers are generally used for scuba applications, but are also occasionally used for bailout systems for surface-supplied diving. Gas reclaim systems used for deep heliox diving use similar technology to rebreathers, as do saturation diving life... 7c8353df98

Hydrogen Dihydrogen is colorless, odorless, non-toxic, and highly combustible. Greek. Stars, including the Sun, mainly consist of hydrogen in a plasma state, while on Earth, hydrogen is found as the gas H₂ (dihydrogen) and in molecular forms, such as in water and organic compounds. The most common isotope of hydrogen (1H) consists of one proton, one electron, and no neutrons. It is the lightest and most abundant chemical element in the universe, constituting about 75% of all normal matter. Understanding the colors of light absorbed and emitted by hydrogen was a crucial part of developing quantum mechanics. Under standard conditions, hydrogen is a gas of diatomic molecules with the formula H₂, called dihydrogen, or sometimes

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hydrogen gas, molecular hydrogen, or simply hydrogen. Hydrogen, typically nonmetallic Hydrogen is a chemical element; it has symbol H and atomic number 1 7c8353df98

FEM is a general numerical method for solving partial differential equations in two- or three-space variables (i.e., some boundary value problems). There are also studies about using FEM to solve high-dimensional problems. To solve a problem, FEM subdivides a large system into smaller, simpler... 7c8353df98

Glossary of engineering: M-Z as well as complex mixtures. Material failure theory is an interdisciplinary field of materials science and solid mechanics which attempts to predict the This glossary of engineering terms is a list of definitions about the major concepts of engineering. Please see the bottom of the page for glossaries of specific fields of engineering 7c8353df98

Diving rebreather This differs from open-circuit breathing apparatus, where the exhaled gas is discharged directly into the environment. is due to the mechanics of the external breathing apparatus, and part is due to the characteristics of the breathing gas. The purpose is to extend the breathing endurance of a limited gas supply, and, for covert military use by frogmen or observation of underwater life, to eliminate the bubbles produced by an open circuit system. Oxygen is added to replenish the amount metabolised by the diver. A high work of breathing may A diving rebreather is an underwater breathing apparatus that absorbs the carbon dioxide of a diver's exhaled breath to permit the rebreathing (recycling) of the substantially unused oxygen content, and unused inert content when present, of each breath 7c8353df98

Human physiology of underwater diving Gas is breathed at ambient pressure, and some of this gas dissolves into the blood and Human physiology of underwater diving is the physiological influences of the underwater environment on the human diver, and adaptations to operating underwater, both during breath-hold dives and while breathing at ambient pressure from a suitable breathing gas supply. diffusion, bulk transport and bubble mechanics in living tissues. All of these may affect diver performance and safety. Several factors influence the diver, including immersion, exposure to the water, the limitations of breath-hold endurance, variations in ambient pressure, the effects of breathing gases at raised ambient pressure, effects caused by the use of breathing apparatus, and sensory impairment. It, therefore, includes the range of physiological effects generally limited to human ambient pressure divers either freediving or using underwater breathing apparatus 7c8353df98

Robotics is a branch of mechanical engineering, electrical engineering and computer science that deals with the design, construction, operation, and application of robots, as well as computer systems for their control, sensory feedback, and information processing. These technologies deal with automated machines that can take the place of humans in dangerous

environments or manufacturing processes, or resemble humans in appearance, behaviour, and or cognition. Many of today's robots are inspired by nature contributing to the field of bio-inspired robotics. 7c8353df98 A diving rebreather is generally understood to be a portable unit carried by the user, and is therefore a type of self-contained underwater breathing apparatus... 7c8353df98 Immersion affects fluid... 7c8353df98 Hydrogen gas was first produced artificially in the 17th century by the reaction... 7c8353df98

Fallout: New Vegas Fallout: New Vegas is Hardcore Mode, which adds survival mechanics the player must keep track of. The game, which was released for Microsoft Windows, PlayStation 3, and Xbox 360, is set in the Mojave Desert 204 years after a devastating nuclear war. The player can also initiate conversations with non-player characters in the form of dialogue trees, and their responses determine their reputation among the different factions. Fallout: New Vegas features a freely explorable open world, and the player can engage in combat with a variety of weapons. The player controls a courier who survives an assassination attempt, and becomes embroiled in a conflict between different governing factions that are vying for control of the region. For example, the player must routinely eat, drink, and Fallout: New Vegas is a 2010 action role-playing game that was developed by Obsidian Entertainment and published by Bethesda Softworks 7c8353df98

The word "robot" was introduced to the public by Czech writer Karel Čapek in his play R.U.R. (Rossum's Universal Robots), published in 1920. The term "robotics... 7c8353df98

Outline of robotics mining Techniques – Degrees of freedom – in mechanics, the degree of freedom (DOF) of a mechanical system is the number of independent parameters that The following outline is provided as an overview of and topical guide to robotics: 7c8353df98

A person who has undergone an amputation is sometimes referred to as an amputee, however, this term may be offensive. Rehabilitation for someone with an amputation is primarily coordinated by a physiatrist as part of an inter-disciplinary team consisting of physiatrists, prosthetists, nurses, physical therapists, and occupational therapists. Prostheses can be... 7c8353df98

Rebreather diving Rebreather diving is practiced by recreational, military and scientific divers in applications where it has advantages over open circuit scuba, and surface supply of breathing gas is impracticable. the ambient temperature and pressure, the operational mechanics of the rebreather, and the amount of carbon dioxide produced by the diver, which mainly depends Rebreather diving is underwater diving using diving rebreathers, a class of underwater breathing apparatus which recirculates the breathing gas exhaled by the diver after replacing the oxygen used and removing the carbon dioxide metabolic

product. The main advantages of rebreather diving are extended gas endurance, low noise levels, and lack of bubbles
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Finite element method With high-speed supercomputers, better solutions can be achieved and are often required to solve the largest and most complex problems. Computers are usually used to perform the calculations required. 8 (4): 169-175.
"Solution of problems of elasticity by the framework method". Hrennikoff, Alexander (1941). Typical problem areas of interest include the traditional fields of structural analysis, heat transfer, fluid flow, mass transport, and electromagnetic potential. Bibcode:1941JAM Finite element method (FEM) is a popular method for numerically solving differential equations arising in engineering and mathematical modeling. Journal of Applied Mechanics 7c8353df98

There is ambiguity as to whether or not activities where participants physically perform mock combat actions (e.g. friendly warships firing dummy rounds at each other) are considered wargames. It is common terminology for a military... 7c8353df98

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