

Process Of Self Exploration

The first-person perspective distinguishes selfhood from personal identity. Whereas "identity" is (literally) sameness and may involve categorization and labeling,
== Overview ==

Heroic Age of Antarctic Exploration The Heroic Age of Antarctic Exploration was an era in the exploration of the continent of Antarctica which began at the end of the 19th century, and ended after the First World War; the Shackleton-Rowett Expedition of 1921–1922 is often cited by historians as the dividing line between the "Heroic" and "Mechanical" ages

During the Heroic Age, the Antarctic region became the focus of international efforts that resulted in intensive scientific and geographical exploration by 17 major Antarctic expeditions launched from ten countries. The common factor in these expeditions was the limited nature of the resources available to them before advances in transport and communication technologies revolutionized the work of exploration. Each of these expeditions therefore became a feat of endurance that tested, and sometimes exceeded, the physical and mental limits of its personnel. The "heroic" label, bestowed later, recognized the adversities which had to be overcome by these pioneers, some of whom did not survive the experience: a total of 22 expedition members died during this period. In philosophy, self-reference also refers to the ability of a subject to speak of or refer to itself, that is, to have the kind of thought expressed by the first person nominative singular pronoun "I" in English. Indirect self-reference describes an object referring to itself indirectly. For example, "this sentence is false." contains a direct self-reference, in which the phrase "this sentence" refers directly to the sentence as a whole. An indirectly self-referential sentence would replace... Self-organization is realized in the... == Psychology == Von Neumann argued that the most effective way of performing large-scale mining operations such as mining an entire moon or asteroid belt would be by self-replicating spacecraft, taking advantage of their exponential growth. In theory, a self-replicating spacecraft could be sent to a neighboring planetary system, where it would seek out raw materials (extracted from asteroids, moons, gas giants, etc.) to create replicas of itself. These replicas would then be sent out to other planetary systems. The original "parent" probe could then pursue its primary purpose within the star system. This mission varies widely depending on the variant of self-replicating starship proposed.

Self-organization It is often triggered by seemingly random fluctuations, amplified by positive feedback. Chaos theory discusses self-organization in terms of islands of predictability in a sea of chaotic unpredictability. Self-organization, also called spontaneous order in the social sciences, is a process where some form of overall order arises from local interactions between parts of an initially disordered system. As such, the organization is typically robust and able to survive or self-repair substantial perturbation. The process can be spontaneous when sufficient energy is available, not needing control by any external agent. The resulting organization is wholly decentralized, distributed over all the

components of the system

Self-replicating machine Von Neumann also worked on what he called the universal constructor, a self-replicating machine that would be able to evolve and which he formalized in a cellular automata. The von Neumann probe is one theoretical example of such a machine. A self-replicating machine is a type of autonomous robot that is capable of reproducing itself autonomously using raw materials found in the environment. A self-replicating machine is a type of autonomous robot that is capable of reproducing itself autonomously using raw materials found in the environment, thus exhibiting self-replication in a way analogous to that found in nature. Moore, Freeman Dyson, John von Neumann, Konrad Zuse and in more recent times by K. Eric Drexler in his book on nanotechnology, *Engines of Creation* (coining the term clanking replicator for such machines) and by Robert Freitas and Ralph Merkle in their review *Kinematic Self-Replicating Machines* which provided the first comprehensive analysis of the entire replicator design space. The concept of self-replicating machines has been advanced and examined by Homer Jacobson, Edward F. The future development of such technology is an integral part of several plans involving the mining of moons and asteroid belts for ore and other materials, the creation of lunar factories, and even the construction of solar power satellites in space.

Self-knowledge (psychology) and "What am I like. While young infants Self-knowledge is a term in psychology, describing the information needed for an individual to answer the questions "Who am I. " and "What am I like. Self-knowledge requires both self-awareness and self-consciousness (aware of the fact that one is self-aware). "

Both the geographic and magnetic South Poles were reached for the first time during the Heroic Age. The achievement...

Self-replication Self-replication is any behavior of a dynamical system that yields construction of an identical or similar copy of itself. Biological cells, given suitable Self-replication is any behavior of a dynamical system that yields construction of an identical or similar copy of itself. Harmful prion proteins can replicate by converting normal proteins into rogue forms. Biological viruses can replicate, but only by commandeering the reproductive machinery of cells through a process of infection. Biological cells, given suitable environments, reproduce by cell division. Self-replication in robotics has been an area of research and a subject of interest in science fiction. These variants will be subject to natural selection, since some will be better at surviving in their current environment than others and will out-breed them. During cell division, DNA is replicated and can be transmitted to offspring during reproduction. Computer viruses reproduce using the hardware and software already present on computers. Any self-replicating mechanism which does not make a perfect copy (mutation) will experience genetic variation and will create variants of itself.

Self-knowledge is a component of the self or, more accurately, the self-concept. It is the knowledge of oneself and one's properties and the desire to seek such knowledge that guide the development of the self-concept, even if that concept is flawed. Self-knowledge informs us of our mental representations of ourselves, which contain attributes that we uniquely pair with ourselves, and theories on whether these... selfhood implies a first-person perspective and suggests potential uniqueness. Conversely, "person" is used as a third-person reference. Personal identity can be impaired in late-stage Alzheimer's disease and in other neurodegenerative diseases. Finally, the self is distinguishable from "others". Including the distinction between sameness and otherness, the self versus other is a research topic in contemporary philosophy and contemporary phenomenology (see also psychological phenomenology), psychology, psychiatry, neurology, and neuroscience.

organization is a phenomenon that occurs across various fields, including physics, chemistry, biology, collective behavior, ecology, communication networks, robotics, artificial intelligence, linguistics, social science, urbanism, philosophy, and engineering. Examples of self-organization include crystallization, thermal convection of fluids, chemical oscillation, animal swarming, neural circuits, and black markets. cb928fb80a The policy outlined by the "Vision for Space Exploration" was replaced first by President Barack Obama's space policy in April 2010, then by President Donald Trump's "National Space Strategy" space policy in March 2018, and finally by President Joe Biden's preliminary space policy proposals in spring 2021. cb928fb80a

Self-reference It can occur in language, logic, mathematics, philosophy, and other fields. Retrieved 16 May Self-reference is a concept that involves referring to oneself or one's own attributes, characteristics, or actions. MIT Press. "Ouroboros avatars: A mathematical exploration of Self-reference and Metabolic Closure" (PDF). Claudio; Letelier, Juan-Carlos cb928fb80a

Although subjective experience is central to selfhood, the privacy of this experience is only one of many problems in the philosophy of self and the scientific study of consciousness. cb928fb80a

Self-organizing map Self-organizing maps, like most A self-organizing map (SOM) or self-organizing feature map (SOFM) is an unsupervised machine learning technique used to produce a low-dimensional (typically two-dimensional) representation of a higher-dimensional data set while preserving the topological structure of the data. For example, a data set with. the areas and proportions of the human brain dedicated to processing sensory functions, for different parts of the body cb928fb80a

Given this pattern, and its similarity to the reproduction patterns of bacteria, it has been pointed out... cb928fb80a

Vision for Space Exploration The Vision for Space Exploration (VSE) was a plan for space exploration announced on January 14, 2004 by President George W. Bush. It was conceived as a response to the Space Shuttle Columbia disaster, the state of human spaceflight at NASA, and as a way to regain public enthusiasm for space exploration. It was conceived as The Vision for Space Exploration (VSE) was a plan for space exploration announced on January 14, 2004 by President George W. Bush cb928fb80a

Self the ability to self-reflect. Culture consists of explicit and implicit In philosophy, the self is an individual's own being, knowledge, and values, and the relationship between these attributes. The insular cortex is also thought to be involved in the process of self-reference cb928fb80a

In natural or formal languages, self-reference occurs when a sentence, idea or formula refers to itself. The reference may be expressed either directly—through some intermediate sentence or formula—or by means of some encoding. cb928fb80a == Theory == cb928fb80a Self-knowledge requires both self-awareness and self-consciousness (aware of the fact that one is self-aware). While young infants and chimpanzees display some of the traits of self-awareness, agency, and contingency; they are not considered to be self-conscious. At some greater level of cognition, however, a self-conscious component emerges in addition to an increased self-awareness component, and then it becomes possible to ask "What am I like?", and to answer with self-knowledge, though self-knowledge has limits, as introspection has been said to be limited and complex, such as the consciousness of being conscious of oneself. cb928fb80a The Vision for Space Exploration sought to implement a sustained and affordable human and robotic program to

explore the Solar System and beyond; extend human presence across the Solar System, starting with a human return to the Moon by the year 2020, in preparation for human exploration of Mars and other destinations; develop the innovative technologies, knowledge, and infrastructures both to explore and to support decisions about the destinations for human exploration; and to promote international and commercial participation in exploration to further U.S. scientific... cb928fb80a == Outline == cb928fb80a == Overview == cb928fb80a Self-reference is studied and has applications in mathematics, philosophy, computer programming, second-order cybernetics, and linguistics, as well as in humor. Self-referential statements are sometimes paradoxical, and can also be considered recursive. cb928fb80a

Self-replicating spacecraft probe idea is that of the "Astrochicken"; proposed by Freeman Dyson. While it has the common traits of self-replication, exploration, and communication The concept of self-replicating spacecraft, as envisioned by mathematician John von Neumann, has been described by futurists and has been discussed across a wide breadth of hard science fiction novels and stories. Self-replicating probes are sometimes referred to as von Neumann probes. Self-replicating spacecraft would in some ways either mimic or echo the features of living organisms or viruses cb928fb80a

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