

CATEGORY THEORY , language maps

Definition of terms.

Domains . mental , external

Mind objects (S VOHG L t)

Mind actions – morphisms on mobjects.

Sound light time ? all related systems? Space ?

Sound category, frequency amplitude, time scale. Human perception of those within a narrow band. Various mappings of ordered sub spaces . map to a manifold which is comprised of coherent topologies under certain maps. Those topologies can be called a language. A mind crafted function that forms coherent subsets of the space. music , sentences. Shapes in the space. They both have a time scale . melody prosody pitch, amplitude.

A similar map can be applied to the vision system . frequency amplitude time. Location, . mapping onto a subset (human), to a coherent topology forming a mental image.

Puns are found in each,

The taste (gustatory) sense , olfaction are chemical reaction times. Though chewiness, temp and mouthiness are sometimes its defined components aversive, appetizing

Olfaction more like taste. Chemical time. Avoidance of poison. Attraction

Touch or haptic. Pain , location fine touch, maps to mental spatial, temp

Time plays a role in each. Memory is a time system . Fixing a time in the past that allows a mapping to the present

Kinesthetic, location, in space. Rotation, translation, in time balance?

A melody is a subset of the soundspace capital S1

Category theory , is a way to attempt to describe in a quasi mathematical form.

Useful abstractions. An algebra of abstractions? Notations of abstractions.

Mathematics breaks down into either algebraic or analytic. . neither suffice to describe mental processes . Category theory , is a descriptor of Theories.

Mathematics being a subset of all theories. No more no less. ie Real numbers being a misleading term , as they are nothing but a theory. The term “ real “ obfuscating its non real nature. Science -the exploration of the then unknown in search of a function or morphisms acting on coherent spaces.

Communication. Is a large category comprised of transmission and reception . it can be from mobject to mobject . one external object to another or any coherent signaling of one metamobject to another. (Stink, gesture, write color. Couch, move speak . mapping . Ordering - stronger, louder time size duration importance. Ordered sets Music comprised of melody , horizontal , harmony vertical , rhythm , time sequence

Artists map mobjects onto ext space. Writer painter singer dancer. Speaker

Philosophy , maps mobjects to mobjects

The role of notation, external memory. Accepted currency for transmission through time, music, writing, photos , painting (trust, convertible map ie notes into music, letters into sound)

External, internal? Boundary . consciousness? Membrane,

Common sense , not interesting, same as animals. Questions what why how when, exploration of the non common space. Evolution of intelligence. Questions are a better measure of intelligence than answers. G is time related??

Blind people have difficulty with language acquisition,

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"What "is fixed . same? Mother always mother. Glass always glass. Not subject to morphisms. . fixed categories mother gives to son, non commutative , one way function. Hate. . non associative. Mother hates son , son hates sister does not mean mother hates sister.

Relationships described by arrows. ? morphisms, homologies. Describing processes. Assignments. Relations.

Mental objects do not have an identity function. ? making algebra impossible

The system is composed of ext energy, a focus mechanism, filter? . a receptor ensemble. / an mapping apparatus mapping to a mobject , that might include a vast array of indices. , (sight sound olf. Gust. Hap) the mobject is mapped onto the physiological system , emotion, as well . the mobject is a cell , mobjects boundaries , ? a group of mobjects , create a morganism. . the boundary of the morganism is read by the a feedback loop to receptors. / b memories are living systems. ??

Social communication- expands the output to a ext transmissible signal.

Social animals characteristics form distributions. Those distributions seem fairly constant. Individuals can move along the curve , but the distribution moves slowly.

. soap bubbles. A two dimensional distribution. Given gravity, each particle is free to move but the shape is the same.// regression to the mean, , a pseudo force?
Crystals. Nested cells . systems, share basic restrictions.

Fractals. Nature , redundancy.

Memories are living entities. . they die if not fed. . they degrade, they mutate, ??

Someone who is "blind" has a break somewhere in the system.

Nature is degenerate. Edeleman. .

The internal algorithm used for vision is similar to the one used for language. Maybe for sound

The algorithm takes a small band of cat , light , sound. Light 400 -700 Thz . sound from 20-20k. (does it act as a filter first? Do we see or hear more than we sense.?)

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