

67.HOLOGRAM OF THE SEMANTIC UNIVERSE

Algebraic fractals, fractal varieties, lattice automatas, coherent information space, information holography, and other nonlinear phenomena can become the basic tools in understanding the dynamic evolution of the universe. We do not know yet whether the information universe is a manifestation of a phenomenon, or a manifestation of the multiverse. However, we can have a mental projection of complex phenomena, by suggesting some simpler ones that we have experienced:

*Suppose that two universes with different characteristics from the number of structuring dimensions to the structure of internal relations, enter into mutual interaction. An image would be a sphere that penetrates through a plan, just like a ball that crosses the surface of a lake. The moment of contact will be **BIG BANG**, the moment when the ball leaves the surface of the lake will be **BIG CRUNCH**.*

The interaction will cause complex waves and structures to interact both on the surface of the water and inside the ball. These manifestations can be extremely complex, possibly of algebraic fractal type and will be visible throughout the transit and interaction between the two environments. We as witnesses or participants in the phenomenon will observe another universe of complex interactions, which we will take as the only universe to which we belong. The laws of this particular universe will eventually be the laws of dialogue, communication and collaboration, or the laws of destruction and annihilation. It depends on us.

If the two parent universes take over the informational imprint of the generated universe, which they integrate into their own structure, then the dialogue, communication and collaboration become universal laws on both parent universes. The evolution of universes on the other hand is also done by destruction and annihilation. This is produced by iterating the existential laws obtained an indefinite number of times. If existential laws remain invariant at iteration, then they become permanent features of the universe. If these laws degenerate to iteration then those variants disappear, and the universe that has experienced all

possible variants remains only with those that give stable phenomena. These phenomena can include birth and death, creation and destruction, perhaps even evolution and transcending to higher stages.

It can happen that a minor local phenomenon changes the general balances due to the lattice automata that have appeared. At the very limit these phenomena can be provoked by the unconscious experimentation of phenomena that people do not understand. These actions are also happening at the present time with risks of imbalance and destruction of the balances and the sustainability or global metabolism of our universe, which is the PLANET EARTH.

Ecosystem treatment of the organism is also of algebraic fractal and holographic type, from the cell to the ecosystem the laws governing the universe are found in the complex composition of complex systems. From the specialization on functionalities of the cellular organisms, of the internal organs, of the social professions or of the species that collaborate to obtain the zero ecological footprint, we discover similar laws and behaviors. From the rules that show the preservation of evolution in structures and stages that manifests itself in examples of the type "phylogeny repeats ontogeny, or psychogenesis repeats history, we find the same expressions of the destruction of redundancies and choices that are reflected in existential laws that become universal, or disappearance in the case in which the reiterations do not become consistent.

The anatomy of living beings and their performances are dependent on the same laws, but applied in various contexts generated by the functional needs of the whole. The informational structures and the memories preserved in specialized tissues generate adaptive-evolutionary behaviors also of holographic type. In this case the hologram of the manifestations of the universe viewed from the perspective of algebraic fractals extends to new dimensions and directions.

From here we can understand why harmonization is the basis of existence regardless of the perspective of thought, and this harmonization in the case of humans starts from other tools of knowledge and action.

*Another instrument of qualitative thinking is the one presented in this material, if it could be properly learned to allow the universe to be understood without the risks of its destruction through insane experiments. In order to produce the leap from the exploitation of the planet to the destruction towards collaboration, dialogue and communication with nature and society, it will be necessary to create the **PROFESSIONAL NETWORK**. The algorithms described in this material are part of those that will be necessary for the realization of this project.*