

THE HUNGARIAN UNIVERSITY OF FINE ARTS DOCTORAL SCHOOL

THE WAY OF LIGHT

Συμμόρφους

DLA THESIS

ZSUZSANNA ESZTER KOZSUHAROV

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SUPERVISOR:

DR. HABIL. FRIGYES KÖNIG DLA

The common path of our observations

Representation has been present in the arts and sciences since the beginning of human culture. Humanity has passed on and continues to pass on knowledge and develop culture through it. If a system can be traced, it can be summarised and compared with other structures/ systems through representation. It can be represented in many ways. Identities can be observed in the structure of the various elements. (*συσμμόρφους*). Such is the sum of the structure of life as we know it, the pathway (anatomical structure and development of living beings), which is the same as the way of light represented: it goes from the larger or central part to the smaller parts in such a way that the system can be traversed. These physical facts can be expressed and interpreted by both the fine arts and the sciences through representation. The radiation of the Sun can be represented in the same way, whether it is represented as a ray or as a wave.

Life as a traceable system

Among the interpretations of time, we can easily interpret the authentic textual sources by looking at the formulations of time in ancient Greek through representation. If a text is structured as described above, it is a traceable system. So, for example, if the content of a (literary) text can be summarised and represented, we can consider the biblical texts, a cornerstone of European culture, as a literary example, which can be used in our research in several ways. The ancient Greek texts will be studied through representation. By exploring the meaning of the texts and symbols from an artistic point of view, we seek to find the links between them and the basic structure of the reality they capture in terms of traceability. The existence of any system proves itself by the fact that it works. The most perfect system - in which all our research is possible - is life.

The way of light

The artistically abstracted star-shaped system can be interpreted in a representational way for natural science, because it can be seen that whether it is art, science or any kind of investigative research, we are looking for the same reality. With this in mind, art education crosses the boundaries of science in the same way that history influences literature. Drawing on years of practical experience as visual artist and teacher. It was possible to manage to involve a large number of our young people in this collaborative work. Through this work, an activity has been realized, the results of which positively influenced and inspired the creation of the doctoral work.

Round time

Man is aware that nature is constantly changing, which is why the words of Heraclitus are famous, according to which "Everything flows". The existence of mathematical equations, or no matter what story or painting proves this sentence, since no equation consists of a single number, but we reach conclusions through it when we derive it. Nor is a story composed of a word, but of sentences, that is to say, interpretation is the completion of a process; like the making of a painting, which makes the existence of the painting possible. Time also flows in the sense of kairic time, yet it forms a whole unity.

Reality – as a traceable system – can be represented

Considering man's capabilities, we come to the conclusion that he can see and compare light-years of distance, systems on Earth and beyond. As a result, it is clear that he has a broader base of comparison than any other living creature known to us. Every living thing maps its environment and uses all its capabilities to survive and evolve. Man interprets and summarizes the universe, the infinite, all that he knows and does not know. He constantly uses his knowledge of the world, just like other living beings. As a consequence, he researches, formulates and constructs culture from the very beginning of the world that he can comprehend. He researches the reality he experiences in several ways. Because he is able to see space in two dimensions and pass on his knowledge through representation; the basis of our culture, thanks to our abstract vision, can lead to conclusions through personification, just as much as a mathematical equation, a painting or a musical composition, or a representation of cosmic systems. “However, if we do discover a complete theory, it should in time be understandable in broad principle by everyone, not just a few scientists. Then we shall all, philosophers, scientists, and just ordinary people, be able to take part in the discussion of the question of why it is that we and the universe exist. If we find the answer to that, it would be the ultimate triumph of human reason – for then we would know the mind of God.”¹

If a system can be tracked, summarized and represented (in several ways), other systems can be brought to its denominator. Just as we can control and abstract the formal properties of bodies, we can also depict the structure of light. Examining the research related to life, we come to the conclusion that the same abstract vision is necessary to understand and represent it in all its aspects, whether it is figurative, artistic or scientific research and formulation. In this respect too, the interweaving of the arts and sciences in human culture is clear.

The purpose of the masterwork

The masterpiece is a prose verse, which contains graphics and pictures, because in many cases what can be expressed or depicted is unimaginable at first hearing. It is intended to be structured in a transparent system in which the paths of exploration of the reality that we know are intertwined and complementary. The path of light and the personification of destruction are both included. The game in which our story takes place has a purpose, like all games. At the same time, it operates according to clear rules, based on a strict structure, otherwise it would be unintelligible. Not a single image can be so abstract that it cannot be logically connected to the whole.

¹ Stephen Hawking (1988=1996. 209-210.): *A Brief History of Time*. Bantam Press