

A Society that Counts to Two Again

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Abstract: The place of research object will be taken by the digital society and man belonging to this era. Between the researcher and the object under study (digital society, modern man) there will be a prism through which it will be possible to consider the problems of interest to us and we will be able to discern the prism of research better. This position of the observer, as well as the means and methods of observation, will help us look differently at the object of our interest: changes in a society driven by digitalization, the role of numbers in modern society, and the updated properties of a digit.

Keywords: Digital world, measurement, harmonization, figure, number, digital society, numerical world, ordering, space.

INTRODUCTION

In a first approximation, we can conclude that if we have more and more various devices, the more people begin to look at the world through the prism of these gadgets, the logic of devices is imposed on reality. In this case, the role of a special magnifier, rather, an aperture, a through hole, is played by a digit.

The logic of numbers gradually penetrates into real reality, getting close to the "living life". "Philosophical analysis of this concept gives the possibility to assume that the digital society is much more than a society immersed in digital technologies. It is within the framework of philosophical discourse that we can ask questions about the reasons for referring to the digit as a renewed universal measure of the entire universe, the newest "atom" of the universe; to analyze the socio-cultural prerequisites for the emergence of the need to measure the world in numerical terms, and in this case, the very understanding of the world, the notions of it" (Khazieva, Khaziev, Klyushina, 2018).

METHODS

Appeal to a number, digit, metric systems, calculus systems is always a way of establishing a person in the world and also an invariable tradition of mankind. Let us recall the idea of the place of a number, since mankind has "grown" to it.

Since time immemorial, numbers and digits have been born (on the one hand) as a result of everyday human practice: dividing the whole into the parts (dividing production) and getting the whole from the parts (construction, manufacturing), from the

knowledge of the rhythms of nature and the human body, and the comparative practice: 1, 2, 3... a lot. The count on the fingers: 5, 10, 12, 60 – something that is closest to me, in front of me (Naidysh 201; Piatigorsky 2020).

On the other hand: we can take numbers and digits as a result of the formation of a worldview. So, for example, in Buddhism, thinking and consciousness is not a continuous act, but a series of its ups and downs. Consciousness can fade away through yogic practices, and what remains after it will end up in the void - shunyata, nirvana. This emptiness is a "place", free from everything, but able to contain anything. This is 0. "Void", or "zero" is, first of all, world outlook concept, which in time passed into the field of their practical use (Piatigorsky 2020).

Numbers are means of establishing in the world: Kabbalah among the Jews; Greeks; 33 heroes; 33 years – age of Christ; letters; 33 vertebra: 30 years and another three. In the Christian religion: 2 or 3 fingers to be baptized: Habakkuk and Nikon. 7 days of creation. 99 names of Allah.

Among other things, there are repeated attempts in the history of mankind to measure the world using only two numbers: 0 and 1.

Pythagoreanism. Reality is numerical relationships, entities, causes of all things. Everything that exists is a combination of the ultimate and the infinite, a definite one and an indefinite twofold. The Greeks did not know zero, so the double comes into play. (Zhud 1989; Van Der Waerden 1985).

Taoism. The Tao is divided in two: yin-yang, Heaven-Earth, day-night, black-white, good and evil, further: 4 cardinal points, air, water, fire, earth, 4 seasons, and so on.

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G. Leibniz in correspondence with the Jesuit priest Bouvet in China:

Leibniz: "It has long been said that God arranged everything according to weight, measure and number... But there is no anything that would not allow expression through a number..."

But I do not know whether any mortal has reached the reasonable truth according to which each characteristic can be associated with its own characteristic number. <...> And although some prominent men have long ago put forward the idea of a universal language, or a universal characteristic (characteristica), through which concepts and all things are perfectly ordered, through which different nations can communicate their thoughts to each other... signs would be the same as arithmetic signs in relation to numbers, and algebraic ones in relation to abstractly taken quantities.

Priest Bouvet: There is no a single mystery in the Christian religion, not a single dogma in our theology, not a single maxim in the sanctity of our morality that would not be revealed in these ancient Chinese books with tremendous clarity and in many ways - as inventive and exalted, and, as a rule, using the same images and meanings as in our sacred texts.

Leibniz: ...that all numbers are formed from combinations of one and nothing, and that nothing is sufficient to diversify them, it seems as believable as the assertion that God created all things from nothing, without using any primary matter; and that only these two principles exist – God (1) and Nothing (0). (Leibniz, 2005).

Christianity. God (1) creates ex nihilo (0) the whole world.

I Ching (Yi Jing) – "The Book of Changes" – Chinese book of predictions, fortune-telling. A complete set of 8 trigrams and 64 hexagrams, an analogue of 3-bit and 6-bit digits, was known in ancient China in the classical texts of "The Book of Changes". The order of hexagrams in "The Book of Changes", arranged in accordance with the values of the corresponding binary digits (from 0 to 63), and the method for their preparation was developed by a Chinese scientist and philosopher Shao Yong in the XI century (Piatigorsky 2020).

Always infinity = darkness of things = 10,000.

RESULTS AND DISCUSSION

Thus, the measurement of the world by number has always been, what has changed today? Number is a mediator between the universe and man. The concept of the world has changed, the concept of number, of connections, how the number reflects the world, how the digit can be controlled by the world, how the digit can be rooted in this world through the example of many cultures, civilizations; through the perspective: world – number (digit) - code - being.

Numbers are registered in existence, woven into the outline of the universe (all constants confirm this (The number π , speed of light, the golden ratio, any proportions, Fibonacci numbers and spirals, harmonic harmony, etc.). Therefore, all hidden information can be unraveled from this numbers. Only you need to be able to read the code and have a key to decoding - understanding. Fortune-telling will be a striking example of this from history: numbers in fortune-telling are the code, numbers are the language of the Universe, interpreted by man. A person tells the Universe in its language and it answers him in the same language (Why it happens: the Universal answer is consistent with the proper questioning. It turns out that all the information in the world about the world is encoded in symbols, one way or another reduced to numbers (digits), representable in the form of numbers. The strings will sound in unison. Then, if the key is correct, the Universe cannot lie, all information will be read. It's like a kind of computer program: if it is written correctly, then an answer will be received at the end.

Relations "the Universe - Number – Man" today is replaced by "Man - Number – Man" and "Virtual reality - Number – Man". The emphasis from the Universe goes to man from the 17th century (from Descartes). A person no longer needs the secret meaning of numbers, he assigns his meanings to them, uses them, ruins the Universe, and wants with 0 and 1 to describe it (Leibniz).

However, we note that in almost all cases, numbers, and digits are naturalized, they are not highly abstract entities, they are woven into the outline of the Universe: Pythagoreanism: 1 (one) - absolute and indivisible unity; 2 (two) - departure to an indefinite distance; 3 (three) - making infinity using 1; 7 (seven) - beauty; 13 (thirteen) is evil. In India: Odd numbers (1, 3, 5, 7, and 9) are considered to be solar, masculine, electric, acidic, dynamic. Even numbers (2, 4, 6 and 8) - lunar, female, magnetic, alkaline, static. Soul Number is Four ($1 + 3 = 4$).

By losing his personality, his shortcomings, man does not become more perfect, but acquires new universal characteristics for everyone: inability to communicate live, muscle atrophy, illness, and social ailments: a complex of God, for example. (Khazieva, Khaziev, & Klyshina 2015) Following the unconscious approach, the man becomes an appendage of a computer, not a user. The digit removes uniqueness from everything, but you cannot love the standard, we love imperfections, we want to take possession of the spiritual world of a person (or God). Virtual reality creates the appearance of such possession, because it is immaterial, it looks like a being. Only the role of the spiritual dimension is played by matter, material, constantly escaping attention, from being captured by man. Man loses the previous form of spirituality, entering the virtual space. It is necessary to apply incredible forces in order to be able to support the spiritual dimension in real reality. But it is becoming increasingly difficult to do and almost impossible: virtual reality is a new Big Other. We behave in real reality according to the virtual: we are afraid of hacks, viruses (the name is very dangerous, vital). Gadgets wake us up, they follow us totally (location, pulse, etc.), they remember for us (take away my computer and phone, and I can't contact anyone, I work with people in other cities, but I don't know their names, I don't know their phones). Virtual reality, high technology as a whole has become a new absolute (listen to futurologist Michio Kaku). "The fragile absoluteness" of an imperfect person and an imperfect God (the Universe) is in jeopardy. (Khazieva Nataliia 2017), (Khazieva Nataliia 2014).

On the other hand, virtual reality itself is the "The Fragile Absolute" - it is easily destructible, deactivated. (Zizek 2009)

As a conclusion. The numerical order helped to somehow rank the society, to establish a certain nature of relations: Plato and his society, in Islam and Christianity, in the East ...Now - a network of "equals", you need to know yourself among all.

The digital vision of the world contributed to the further progress of mankind. But did it contribute to establishing in the world? Man, humanity, too human is not representable by 0 and 1. Which means that new means of the digital description of a person need to be developed, or humanistic can be destroyed as unnecessary in the digitized world.

Digitalization can and should be perceived as a new way of harmonizing the due and the existing, the

desired and the present. But digitalization implies their new proportionality, new harmony, symphony - the words of Pythagoras. You gave away half the apple, half left. He shared the idea, and this idea did not decrease. In virtual reality, we are dealing with information. You shared, the information has not decreased, but it is material, i.e. in bits. The modern pace of life: the economy focuses on exchanges, exchange rates. We live by these new rhythms, not by natural ones.

CONCLUSION

Previously, the number was a means of communication with the Universe; identification and establishment of a person in the world, now - a new stage in the alienation of a person from the world. The concept of Marx - labor - in modern times needs to be changed to a more appropriate one: "...the tools of labor affect nature" - this is no longer in its pure form. Now we have new tools for working with information, and code.

There is deterministic and non-deterministic behavior. What is man, what is nature? The machine is always determined. Indeed, one can assume the existence of a different dimension of human life-being - not determined by the laws of nature. You can concentrate on being, try to visualize and describe it by today's means as opposed to pseudo-existence in virtual reality, which is expressible by 0 and 1, reproducible digitized reality with unambiguous and predictable logic.

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REFERENCES

- Khazieva N.O., Khaziev A. Kh., Klyshina E.V. (2015). Personality in the millstones of virtual reality: philosophical analysis of the problem // *Journal of Economics, Law and Sociology*— No. 3. – Pp. 235-239.
- Khazieva Nataliia O. (2014). Virtual reality as a space of socialization: (socio-philosophical analysis of the problem): dissertation for the degree of Candidate of Philosophy: 09.00.11 – social philosophy / Khazieva N. O.; Kazan Federal University. – Kazan, 142 p.
- Khazieva Nataliia O. (2017). From One Ontology to the Set of All Possible// *Journal of history culture and art research*. – Vol.6, Is.5. – Pp. 99-104.
<https://doi.org/10.7596/taksad.v6i5.1302>
- Khazieva Nataliia O. (2017). Sociocultural world of post-Soviet Russia as a project and a reality // *Culture in the context of globalization view from Russia: monograph / collective of*

- authors; Ed. A.N. Chumakov. – Moscow: KNORUS, Pp. 186-199.
- Khazieva, N., Khaziev, A., Klyushina, E. (2018). Digital Society: The Experience of the Philosophical Understanding of a Problem. *Journal of History Culture and Art Research*, 7(4), 347-353. <https://doi.org/10.7596/taksad.v7i4.1856>
- Leibniz, G. (2005). Letters and essays on Chinese philosophy and the binary system. Executive Editor A. P. Ogurtsov. Preface, translations, and notes by V. M. Yakovlev. Moscow, Russian Academy of Sciences, Institute of Philosophy (IP RAS), - 404 p.
- Naidysh V.M. (2012). The Science of the Ancient Civilizations. Philosophical analysis / V. M. Naidysh. - Moscow: Alfa-M, – 576 p.
- Piatigorsky A. M. (2020). Introduction to the Study of Buddhist Philosophy (original publication) <https://alexanderpiatigorsky.com/texts/books/philosophical-and-buddhologist-books/introduction-to-the-study-of-buddhist-philosophy/introduction-to-the-study-of-buddhist-philosophy-original-publication/>
- Van Der Waerden B. (1985). Science Awakening. Mathematics of Ancient Egypt, Babylon and Greece. Oxford University Press,
- Zhmud L. (1989). Pythagoras as a Mathematician, *Historia Mathematica* 16 249 – 272. [https://doi.org/10.1016/0315-0860\(89\)90020-7](https://doi.org/10.1016/0315-0860(89)90020-7)
- Zizek S. (2009). The Fragile Absolute: Or, Why Is the Christian Legacy Worth Fighting For? The Essential Zizek. Verso; Second Edition, 157 p.

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