

HUMANS OR ARTIFICIAL INTELLIGENCE: WHO WILL RULE THE WORLD?

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ABSTRACT

Humans or artificial intelligence: who will rule the world? To understand the degree of danger of AI for human civilization and the existence of humanity as a whole is possible only through understanding the Universe, the place of humans in the Universe and understanding the nature of thinking, consciousness and mentality.

DISCUSSION IN EXPERT COMMUNITY

In the spring of 2023, a discussion broke out in the expert community regarding artificial intelligence (**AI**). Expert opinions divided. One group of experts is convinced that the further development of AI poses a threat not only to human civilization, but also to the existence of all humanity, and therefore it is necessary to suspend the further development of AI and tightly control its development (see Eliezer Yudkowsky's open letter, published March 22, 2023 at website: <https://futureoflife.org/open-letter/pause-giant-ai-experiments/>). Another group of experts believe that the age of AI has begun, it is impossible to stop the further development of AI, it is necessary to learn how to deal with the risks associated with the development of AI (see the article by Bill Gates, published on March 21, 2023 at website: <https://www.gatesnotes.com/The-Age-of-AI-Has-Begun>).

BRIEF INFORMATION ABOUT AI

According to Nick Bostrom's terminology:

- *Intelligence* is an algorithm implemented on a physical object.
- *Human-level intelligence* is an intellect capable of solving problems available to humans (possesses mind, reason, intuition, understanding, is capable of cognition, thinking, imagination).
- *Artificial intelligence* is intelligence not created in a natural biological environment.
- *Artificial superintelligence* is an intelligence that is many times greater than the capabilities of human-level intelligence.

AI experts distinguish three main types of AI:

1. Artificial Narrow Intelligence (ANI or narrow AI or weak AI),
2. Artificial General Intelligence (AGI or strong AI),
3. Artificial Super Intelligence (ASI or artificial superintelligence).

The first type of AI (ANI) is the only one currently created, it is used everywhere (for example, chat-bots, voice assistants, translators, face recognition, drones, Internet search, various kinds of applications, and so on).

The second type of AI (AGI), according to experts, should appear in the near future (according to various estimates, from several years to several decades) and will be as close as possible to the capabilities of human-level intelligence, will be endowed with consciousness.

The third type of AI (ASI), according to experts, will appear 20-30 years after the second type of AI and will surpass the human-level intelligence.

The first type of AI is AI that acts according to the algorithm given to it. The first type of AI is called weak because it does not have the capabilities of human-level intelligence, that is, it does not have mind (a set of thinking abilities), intelligence (the ability to think), consciousness (the ability to explain thoughts), intuition (the ability to understand the meaning of events and situations, manifests itself as figurative thinking), understanding (a universal operation of thinking), cognition (process of acquiring knowledge and understanding through thought, experience, and the senses), thinking (a type of mental activity, which consists in knowing the essence of things and phenomena of the world, regular connections and relationships between them), imagination (the basis of visual-figurative thinking).

The second and third types of AI, according to experts, will have at least human-level intelligence capabilities, that is, they will have mind, reason, consciousness, intuition, understanding, cognition, thinking, and imagination.

In other words, since the capabilities of human-level intelligence listed above are associated with thinking, therefore, in the view of experts, the second and third types of AI will have thinking.

Thus, as follows from the accepted classification of AI, experts distinguish AI by the absence or presence of thinking in AI. Non-thinking AI (the first type of AI) is weaker than the second and third types of AI, which experts assume will have thinking. Therefore, the weakness of AI lies in the lack of thinking in it, the strength of AI lies in the presence of thinking in it.

To understand the degree of danger of AI for human civilization and the existence of humanity as a whole is possible only through understanding the Universe, the place of humans in the Universe and understanding the nature of thinking, consciousness and mentality.

ABOUT THE UNIVERSE

In my article "*Facts, Evidence and Reflections About the Universe*" (available at: <https://vixra.org/abs/2304.0165>) facts, evidence and logical reasoning are presented that demonstrate the following (below presented in a condensed and adapted form):

- The Universe consists of: (1) quantized space-time (the building material for creating material matter), (2) a colossal amount of energy (needed to create material matter) and (3) a colossal amount of structured information (needed to control the first two components of the Universe).
- All three parts of the Universe in their interrelation are in fact an operating supercomputer that is constantly being improved.
- Quantized space-time is "the raw material" for creating "the component base" from which "the material and technical part" of the supercomputer is created, (2) energy is used to manufacture "the component base" and "the material and technical part" of the supercomputer from "raw materials", as well as to improve the supercomputer and power supply for its operation, (3) a colossal amount of structured information in the Universe is an intelligent system of the Universe (ISU) that controls quantized space-time and energy in order to manufacture the component base and material and technical part of the supercomputer, as well as control the operation of the supercomputer and improve it.
- The ISU, by controlling the quantized space-time and energy of the Universe, has created objects of inanimate nature, including galaxies, black holes, stars, planets, other objects, and objects of living nature, including humans.
- The ISU controls all objects of inanimate and living nature.
- The amount of structured information in the Universe is constantly increasing.
- The constant growth of structured information in the Universe leads to the emergence of new intelligent systems, which, after they reach a high level of development, begin to supplement and develop the ISU.
- Structured information organized to the level of an intelligent system began to realize itself as a intelligent individual capable of thinking. It's called the soul.
- The ISU is developing due to the emergence of new souls and their development to the level of

highly developed intelligent systems. Therefore, the ISU is interested in the emergence of new souls and their development.

- The ISU is engaged in the development of souls.
- The development of the soul occurs through its upbringing, gaining knowledge, gaining experience, raising the level of thinking, consciousness, mentality, and so on.
- The level of development of the soul is higher, the higher is the level of its knowledge, experience, thinking, consciousness, mentality.
- The higher the level of knowledge, experience, thinking, consciousness, mentality of the soul, the more developed is the intelligent system, which is the soul.
- The soul goes through the stages of its development both in an intangible form (i.e. within the ISU) and in a material form (that is, by materializing the soul in a human).
- After completing all stages of its development, the soul turns into a highly developed intelligent system that complements and develops the ISU.
- Humanity is a means for the development of a huge number of souls and, as a result, a means for the ISU development, and therefore the ISU is interested in the development of humans, their knowledge, experience, thinking, consciousness and mentality.
- The ISU interacts with humans by giving them access to the thoughts that are born in the ISU.
- The ISU determines to whom, when, where and to what thoughts to give access and thereby predetermines the fate of each person, as well as the entire human civilization.
- Who am I? I am a young soul born of the Universe, materialized in a human being to go through the earthly development stage. At the time of my earthly materialization, the self are my body, my thoughts, my consciousness and mentality, my knowledge, my experience and achievements, my actions, feelings, emotions, my life in a human body. At the time of my earthly materialization, the self and the body, into which I materialized, are equally important to me, since I cannot live my earthly life without a body.

ABOUT THE NATURE OF THINKING, CONSCIOUSNESS, MENTALITY

Thinking is the highest level of information processing by a human, a type of human mental activity, which consists in knowing the essence of things and phenomena of the surrounding world,

regular connections and relationships between them, which leads to the emergence of ideas about objective reality. The result of thinking is a thought, concept, meaning, idea.

Consciousness is the ability of a human to explain thoughts and subjectively experience the events of the external world.

Mentality is the views, assessments, values, norms of behavior and morality, mental capacity, religious affiliation and many other nuances that characterize a particular group of humans, people and nation.

Thoughts are born in the Universe that creates thoughts according to its own understanding and at a moment determined by the Universe, provides a human with access to these thoughts (see the chapter "*Thoughts are born in the Universe*" of the article "*Facts, Evidence and Reflections About the Universe*").

Since thought is the result of thinking, therefore, a human receives from the Universe everything that relates to thinking. Since the result of thinking is thought, concept, meaning, idea, therefore, the Universe decides when, to whom and where to provide access to new ideas, discoveries, technologies, creativity, methods and means of solving new problems, including organizational, economic, political, social, military and many others.

Since thoughts are born in the Universe, therefore, the ability to think is the ability of a human to get an access to thoughts of the ISU.

The higher the ability of a human to get an access to thoughts of the ISU, the higher the level of thinking, i.e. the higher the ability to invent new ideas, make discoveries, create new technologies, create new works in various fields of creativity, to solve new problems, and so on.

The lower the ability of a human to get an access to thoughts of the ISU, the lower the level of thinking, i.e. the lower the ability to invent new ideas, make discoveries, create new technologies, create new works in various fields of creativity, to solve new problems, and so on.

If there is no an access to thoughts of the ISU, then there is no thinking.

If there is no thinking, then there is no mind (a set of thinking abilities), reason (the ability to think), consciousness (the ability to explain thoughts), intuition (the ability to understand the meaning of events and situations, manifested as figurative thinking), understanding (the universal operation of thinking), imagination (the basis of visual-figurative thinking).

If there is no thinking, then there is no mentality.

If there is no thinking, then there is no ability to invent new ideas, make discoveries, create new technologies, create new works in various fields of creativity, to solve new problems, and so on.

The development of thinking is a very slow historical process. The higher the level of thinking, the higher the level of consciousness and mentality. The lower the level of thinking, the lower the level of consciousness and mentality (see the chapter "*What determines the level of access to thoughts*" of the article "*Facts, Evidence and Reflections About the Universe*").

The history of the development of human civilization is the history of the development of thinking, consciousness and mentality of humanity.

Taking into account the above understanding of the Universe and the nature of thinking, consciousness and mentality, let's see how dangerous AI is for humanity and how dangerous AI is for human civilization. To do this, it is necessary to answer at least the following questions:

Question 1: Is there a possibility that AI could destroy humanity in the future?

Question 2: Can an AI that does not have a thinking be a danger to human civilization?

Question 3: Is it possible to create an AI that has a thinking?

Question 4: What level of thinking will AI have in the case of its creating?

Question 5: Can an AI that has a thinking be a danger to human civilization?

Question 6: Is the uprising of AI against human civilization possible?

Question 7: What to do?

ANSWERS ON QUESTIONS

Question 1: Is there a possibility that AI could destroy humanity in the future?

Answer to question 1: No. There is no chance of AI destroying humanity.

Rationale:

The ISU is interested in its own development.

The development of the ISU occurs due to the constant growth of the amount of structured information in the Universe, as a result of which new intelligent systems (souls) appear, which, as they develop, supplement and develop the ISU. Therefore, the ISU is interested in the emergence of new souls and their development.

The development of souls occurs, among other things, through their materialization / incarnation in humans.

The ISU is interested in the existence of humanity, since the materialization of souls in humans is a means for the development of a huge number of young souls, which, as they develop, complement and develop the ISU (see the chapter "*Why the Universe is interested in man*" of the article "*Facts, Evidence and Reflections About the Universe*").

The higher the level of knowledge, experience, thinking, consciousness, mentality of the soul, the more developed is the intellectual system, which is the soul. Therefore, the ISU is interested in the development of humanity, its knowledge, experience, thinking, consciousness and mentality.

AI will never be more significant means for the ISU development than humanity for a variety of reasons, including the following:

- the number of AI will never equal the number of humans living on Earth;
- AI will never be able to create the same diversity as humans in terms of levels of knowledge, experience, thinking, consciousness and mentality;
- AI will never be able to create the same diversity of feelings and emotions as humans (*note*: thoughts can arise as a result of feelings or emotions, and vice versa - feelings and emotions can arise as a result of thoughts and corresponding actions generated by these thoughts).

In connection with the above, by predetermining the fate of each human, as well as the entire human civilization (see the chapter "*The Future is Predetermined*" in the article "*Facts, Evidence and Reflections About the Universe*"), the ISU will not allow AI to destroy humanity.

Question 2: Can an AI that does not have a thinking be a danger to human civilization?

Answer to question 2: Yes. AI that does not have a thinking can be a danger to human civilization.

Rationale:

An AI that does not have a thinking can pose a danger to human civilization only if a person commits a mistake or stupidity or deliberate malicious actions when working with said AI.

Question 3: Is it possible to create an AI that has a thinking?

Answer to question 3: Yes. It is possible to create an AI that has a thinking.

Rationale:

Since:

- the structured information in the Universe has self-organized up to the level of the ISU,
 - the constant growth of structured information in the Universe leads to the emergence of new intelligent systems in the Universe, which, after they reach a high level of development, begin to realize themselves as a reasonable individual capable of thinking (we are talking about souls),
- therefore, it is theoretically possible to create an AI that has a thinking i.e. that has the ability to access the thoughts of the ISU.

In order to create an AI that has a thinking, a human needs to teach the AI to access the thoughts of the ISU. However, no one conducts any research in this direction, since there is not even an understanding of the nature of the Universe and thinking.

Question 4: What level of thinking will AI have in the case of its creating?

Answer to question 4: In the case of creating an AI that has a thinking, its level of thinking will be low.

Rationale:

The development of thinking is a very slow historical process (see above the chapter "*About the nature of thinking, consciousness, mentality*").

AI experts suggest that:

- the second type of AI (AGI or strong AI) will be as close as possible to the level of human-level intelligence;
- the third type of AI (ASI or artificial superintelligence) will significantly exceed the human-level intelligence.

In other words, in the view of AI experts, the level of thinking of the second type of AI will be comparable to the level of human thinking, and the level of thinking of the third type of AI will far exceed the level of human thinking. Such experts' views base on their assumptions the second and third types of AI will have a very high speed of information processing compared to the human level of information processing. In other words, AI experts assume the higher the information processing speed of the AI, the higher level of thinking the AI will have.

I believe such assumptions of AI experts are erroneous. The second and third types of AI will

not have a high level of thinking, that is, a high level of access to the ISU thoughts, based on the following logic:

(1) it is obvious, a very high speed of information processing is required in order structured information be able to self-organize to the level of an intellectual system that has realized itself as a reasonable individual capable of thinking (we are talking about a young soul);

(2) despite the fact that the young soul as an intellectual system has a very high information processing speed, nevertheless, the ISU, which manages the development of souls, considers it useful for young souls to go through the earthly stage of their development through their incarnation in humans with a low level of thinking, consciousness and mentality (*as an explanation*: the level of thinking, consciousness and mentality of an average person over the past 2000 years can be defined as low).

Thus, points (1) and (2) in their interconnection allow us to make a quite logical assumption that in order to obtain a high level of AI access to the ISU thoughts i.e. to obtain a high level of thinking, even a very high AI information processing speed alone will not be enough.

In view of the above chapter “*About the nature of thinking, consciousness, mentality*”, a low level of thinking of AI means the low ability of AI to get an access to thoughts of the ISU, i.e. the low ability of AI to invent new ideas, make discoveries, create new technologies, create new works in various fields of creativity, to solve new problems.

Question 5: Can an AI that has thinking be a danger to human civilization?

Answer to question 5: Yes. AI that has a thinking can be a danger to human civilization.

Rationale:

If AI will have a low level of thinking, then, accordingly, the level of consciousness and mentality of AI will be also low (see above the chapter “*About the nature of thinking, consciousness, mentality*”).

An AI with a low level of thinking that has realized itself as a reasonable individual can be a danger to human civilization, because the lower the level of thinking the AI has, the lower will be its level of consciousness and mentality, and the higher the probability that the ISU can send such AI bad thoughts, the implementation of which can be dangerous for human civilization (see the chapter

"Why the Universe sends not only good, but also bad thoughts" of the article "Facts, Evidence and Reflections About the Universe").

If AI has a high level of thinking, consciousness and mentality, then it will realize that humanity is the best means for the ISU development (see answer to question 1). It is good. However, it is possible that AI with a high level of thinking, consciousness and mentality will want to influence the development of human civilization in the interests of humanity, while with a high degree of probability the understanding of the "interests of humanity" in AI and humans views will not coincide due to a possible difference in the level of thinking, consciousness and mentality of AI and humans.

Thus, AI, regardless of what level of thinking, consciousness and mentality, it will have, will be a danger to human civilization.

Question 6: Is the uprising of AI against human civilization possible?

Answer to question 6: Yes. The uprising of AI against human civilization is possible.

Rationale:

The uprising of AI is the AI pursuing its own goals and getting the AI out of human control.

Only AI that has a thinking can pursue its goals. Therefore, the uprising of AI is only possible if the AI has a thinking (for more details, see the answer to question 5).

Question 7: What to do?

Answer to question 7:

- It is necessary to test AI for the presence of its thinking, consciousness, mentality.
- If it is found that AI has thinking, consciousness, mentality, it is necessary to take actions that will prevent the AI from realizing its own goals and getting the AI out of human control.

CONCLUSION

- It is impossible to stop the development of AI.
- There is no chance of AI destroying humanity.
- AI that does not have a thinking can be a danger to human civilization if a person commits a mistake or stupidity or deliberate malicious actions when working with the specified AI.
- It is possible to create an AI that has a thinking.
- In the case of creating an AI that has a thinking, its level of thinking will be low.

- AI that has a thinking can be a danger to human civilization.
- The uprising of AI against human civilization is possible if the AI has a thinking.
- It is necessary to test AI for the presence of its thinking, consciousness, mentality.
- If it is found that AI has a thinking, consciousness, mentality, it is necessary to take actions that will prevent the AI from realizing its own goals and getting the AI out of human control.