

The Impact of Technology and A.I. on our Self-Understanding

Author: Daria Shutina

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Cyborgs

Cyborg is a being that combines both organic and artificial components to enhance its capabilities. Cochlear implants, prosthetic limbs (not all) make a person to be a cyborg. Examples from sci-fi are Terminator, Darth Vader

There is an opinion that people wearing glasses are not considered cyborgs. The term "cyborg" is often reserved for augmentations that involve electronic components. Glasses are relatively simple optical aids that correct or enhance vision without integrating electronic elements directly into the body. So people wearing glasses are not cyborgs :(

Isaac Asimov

Isaac Asimov is a science-fiction writer. He wrote numerous novels, short stories, and essays that had a profound impact on the genre. Moreover, he studied chemistry.

Asimov was from Russian-Jewish family. He was born in Petrovichi, Russia. Then his family immigrated to the United States when he was a young child, and he grew up in Brooklyn, New York. Asimov spoke Yiddish, English and German, but never Russian.

A well-known series by Asimov is the Robot series, which introduced the famous **Three Laws of Robotics**:

1. A robot may not injure a human being or, through inaction, allow a human being to come to harm.
2. A robot must obey the orders given it by human beings except where such orders would conflict with the First Law.

3. A robot must protect its own existence as long as such protection does not conflict with the First or Second Law.

Later, Asimov added a fourth law, but realized it should have precedence over the other three, so it is the **Zeroth Law**:

- A robot may not harm humanity, or, by inaction, allow humanity to come to harm.

Zeerust

The term **zeerust** refers to the datedness of smth in the past, that intended in its time to be futuristic, but becomes outdated as time goes on. It is a thing that was predicted to occur in the future, but did not actually come to fruition in the way they were imagined. The example is flying cars (it was a futuristic prediction in the past; nowadays cars are progressing, but they are far from what was imagined).

The related term is **skeuomorph**. It is a derivative object that retains attributes from earlier iterations of the object, that were necessary in the original but are no longer so. The example is the electric light bulb imitating the shape of candle flames.

23-09-19

The Turing test

The Turing test, proposed by the British mathematician and computer scientist Alan Turing in 1950, is a test of a machine's ability to exhibit human-like intelligence in natural language conversation.

The Turing test has been a fundamental part of the **Loebner Prize competition** (annual competition in AI that awarded prizes to the computer programs considered by the judges to be the most human-like). In the competition, judges engage in text-based conversations with AI chatbots and human participants. They do not know whether they are chatting with a human or a machine.

Eugene Goostman is a chatbot developed in Saint Petersburg in 2001, it is portrayed as a 13-year-old Ukrainian boy. It got the first place in 2021 and the second place in both 2005 and 2008 at the Loebner Prize competition.

René Descartes

René Descartes (1596-1650) is a French philosopher and scientist. He made some contributions to physics. Though his solutions came out to be wrong, his ideas were crucial for further development of physics.

"Meditations on First Philosophy" is one of Descartes' most famous and influential works. The "Meditations" consists of a series of six meditations or reflections, in which Descartes uses the method called **radical doubt** to challenge his beliefs, opinions and knowledge.

The radical doubt leads to the fact that we know nothing, since every thought is constantly in doubt. But we also believe that indisputable thoughts exist. So, in hope of it, the **foundationalism** was developed. Foundationalism holds basic beliefs exist, which are justified without reference to other beliefs, and that nonbasic beliefs must ultimately be justified by basic beliefs.

The phrase **"I think, therefore I am"** first appeared in Descartes' work "Discourse on the Method". Here, thinking is mostly a confirmation of existence, not a cause for it: Descartes can be certain that if he is thinking, then he must exist.

Components of thinking (consciousness, emotions, etc) \todo

Introspection \todo

Introspection = looking inside oneself.

Rationalism and Empiricism