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Technological Singularity

Hypothetically, technological singularity is considered as irreversible changes to the mankind resulted from technological growth due to the invention of artificial super intelligence (AI). The major concern is that AI will come out of the control and, finally, humanity will be deprived of their position in the world.

The term “singularity” places an emphasis on the idea of possible inconvertible changes connected with sharp leap in the development of technologies. Moreover, it doesn't exist almost any possibility even to imagine the results of sequence of events.

One and, perhaps, the most possible way of coping with the problem is creating a superhuman AI that will think as a human and develop fast. This kind of intelligence will control the world. The other situation that could happen is a rapid developing of biological possibilities of human body. Technological advances in medicine would allow people to repair and replace defective components in their bodies, prolonging life to an undetermined age.

And the last thing as scientists suggest could happen that Computer/human interfaces may become so intimate that users may reasonably be considered superhumanly intelligent. That means that people could use powerful computers to increase their own level of intelligence. As TS includes politics, thus, it is impossible to predict the future of civilization.

There are two opinions as for the possibility of TS coming. Following the first point of view, presented by Russian scientists Korotayev and Markov, the crisis dependable on the TS, will not come due to the fact that the development of the technologies follows the S-shaped curve, and its inhibition has been traced since 1970 s years. The highest speed of progress was named as “The point of Singularity” and, according to the above mentioned researchers, this point has already been passed. Their position is supported by many scientists that have a doubt in applicability of machine sapience.

On the other hand, the scientists predicting the TS, argue in forecasting the date of the TS beginning. For example, to the mind of Vernor Vinge this process will begin in 2030 year. Raymond Kurzweil, the technological director of Google, insists on 2045 year.

To sum up, TS with its possible human extinction, if it happens, could not be stopped. But, if this problem comes, the solution lies in creating artificial restrictions of the freedom of action, which can undertake the artificial intelligence.