**DEFINITION**

Technological singularity, or singularity, defines the process whereby technology progress becomes so advanced, it becomes unbounded (Potapov, 2018). Or as described by Iastremska et al., in relation to industrial enterprises, economic and mathematical methods must be inferred to identify both growth and developmental points, that are a manifestation of singularity and can be characterised by the accumulation of information (Iastremska et al., 2019). 0

The idea of singularity in technology has been around for a while, in 1907, wrote of the possibility of singularity where by the year 2025 singularity may be reached. To get to this figure, Adam compared coal consumption to technological advancement and used a formula to set this prediction.

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**OLD REFERENCES**

As Alan Turing (1951) observed, ‘‘at some stage therefore we should  
have to expect the machines to take control, in the way that is mentioned in Samuel  
Butler’s ‘Erewhon’ ’’: the consequences of such greater-than-human intelligence  
will be profound, and conceivably dire for humanity as we know it. Essays in Part II  
of this volume are concerned with this scenario

**VARING IMPLEMENTATIONS/UNDERSTANDINGS**

It was also postulated by Google’s Ray Kurzweil, the employee who works at google as the Director of Engineering and has made many predictions in the past, with a 86% accuracy rate. He believes by 2045 singularity will take place (Reedy, 2017).

People suck as Minsky described it in the terms of gaining “consciousness”, “intelligence” and “intuition” as a turning point from which the world will drastically change if it is crossed, but fails to provide a postulated time of this occurring (Good, 1966; Yampolskiy, 2015). Others have research and spoke out the topic of singularity and its effects should it occur (Pearse, 2013).

Some have gone as far to state if singularity was achieved the most probale outcome would be extinction of mankind or an apocalypse (Shestakova, 2018). Although with no hard evidence to back up the claim it is filpant and misguided. They further claimed that in order to drive progress monetary gain must be a factor and if technology was to advance too far, whereby products become saturated and therefore reduced in value, this too would be a hinderance to the development of singularity, to undermine the possibility of singularity through reduced profit margins seems a risky stance as considering so much is still unknown about singularity such sweeping statements don’t really address the topic in a constructive way.

**REASONS**

Singularity may come about for a number of reasons. Technology involved will be vast, such as robotics, genetic engineering and AGI, amongst others (More and Vita-More, 2015).

Recursive self improvement is improvement in the line of thinking that a machine could get better at getting better. Therefore becoming smarter artificial intelligence with greater capabilities (Yampolskiy, 2015).

In some senses it is clear why AI will be improved further, with technology replacements for human counterparts resulting in jobs being completed quicker, cheaper and at a far higher success rate than a human workforce. Solita argues a technology based workforce offers perfect cooperation, self-improvement advantages, duplicability and improved communication (SOTALA, 2012).

**ESSENTIAL TECHNOLOGICAL FEATURES**

It is also believed before that this ultra-intelligent machine may have similarities to the human brains operations that make it so clever. Such as in accessing memory (Good, 1966). It was also said by Loosemore and Goertzel that in order for a system to arise that has recursively self-improving software (RSI) the minimum speculatitive powe needed, or intelligence, would need to be similar to that of a human. (Loosemore and Goertzel, 2012)

**TECHNOLOGIES THAT DRIVE US TOWADS TS**

**PROPER STUDIES?**

Many also oppose the idea, such as

**Guesses?**

**AGAINST**

Some believe in order for singularity to become dangerous it must understand it’s capabilities and due to the Munchausen obstacle, this would not be achieved (Kadanoff, 2002).

Others have argued although moores law predicts a doubling of power for computer systems yearly, once technology is accelerating in complexilty and functioning, this is not to say this trend wilk remain and could infact slow down, or even stop all together (Shestakova, 2018)

**Wider social impact?**

**SUPERHUMANS**

Some papers have gone as far to claim there will be an overlap of AI and human interaction, creating superhumans. Speculation as to how this will be achieved suggests, we may implant technology into the bodies and brains of humans in order to increase there capabilities, reasoning or logical thinking to create a posthuman race (Kurzweil, 2016), in an attempt to keep up with and combat technology should the need arise if technology does indeed become singular. Although some of these did admit to being of a purely speculative nature (Sandu and Vlad, 2018). There are books covering the topic too, with some going to say it could result in the eventual extinction of the human race (More and Vita-More, 2015; Pearse, 2013; Omohundro, 2007).

* Ties in with books
* Concious by vic Grout

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| **Beyond Technological Singularity-the Posthuman Condition** |