Fermi Paradox

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Where are all the aliens?

June 25, 2022

Background

The Fermi paradox is the conflict between the lack of clear, obvious evidence for extraterrestrial life and various high estimates for their existence. As a 2015 article put it, "If life is so easy, someone from somewhere must have come calling by now."

Italian-American physicist Enrico Fermi's name is associated with the paradox because of a casual conversation in the summer of 1950 with fellow physicists Edward Teller, Herbert York and Emil Konopinski. While walking to lunch, the men discussed recent UFO reports and the possibility of faster-than-light travel. The conversation moved on to other topics, until during lunch Fermi blurted out, "But where is everybody?" (although the exact quote is uncertain).

There have been many attempts to explain the Fermi paradox, primarily suggesting that intelligent extraterrestrial beings are extremely rare, that the lifetime of such civilizations is short, or that they exist but (for various reasons) humans see no evidence. This suggests that at universe time and space scales, two intelligent civilizations would be unlikely ever to meet, even if many developed during the life of the universe.

Types of Life

We must realize that there are different types of life. Single cell organism or multi cell like us. Humans also have consciousness which grants us the knowledge that we will eventually die. The probability of another planet hosting life is almost 100%, we can "calculate" this with the DRAKE Equation.

$$DrakeEquation - N = R * fp * ne * fl * fi * fc * L$$

TLDR, it says that there must be life outside of earth. But it doesn't say that there must be conscious life outside of earth.

Single Cell

A unicellular organism, also known as a single-celled organism, is an organism that consists of a single cell, unlike a multicellular organism that consists of multiple cells. Organisms fall into two general categories: prokaryotic organisms and eukaryotic organisms. All prokaryotes are unicellular and are classified into bacteria and archaea. Many eukaryotes are multicellular, but some are unicellular such as protozoa, unicellular algae, and unicellular fungi. Unicellular organisms are thought to be the oldest form of life, with early protocells possibly emerging 3.8–4.0 billion years ago

Multi Cell

A multicellular organism is an organism that consists of more than one cell, in contrast to a unicellular organism. We are multicellular.

Consciousness

Consciousness, at its simplest, is sentience or awareness of internal and external existence. Despite millennia of analyses, definitions, explanations and debates by philosophers and scientists, consciousness remains puzzling and controversial, being "at once the most familiar and [also the] most mysterious aspect of our lives". Perhaps the only widely agreed notion about the topic is the intuition that consciousness exists.

Imagine..

Look at how long it took for humans to evolve on earth, like 13.6999 billion years. First our solar system have to be created with the correct settings. It also has to survive from asteroids and other object collisions. We also have to survive all the horror's on earth like earthquake, floods etc. So we have to dance this amazing path without getting recked by the universe. Watch video for more information.

Video

Consumed by the Apocalypse by Lemmino
https://www.youtube.com/watch?v=nx2-4l4s4Nw

To late..

It might be the case that we are to late. We might live in the ruins of civilisations, because there was a time where all the universal mass was most compact. That should allow for the highest chance of life.'

Types of Civilisations

The Kardashev scale is a method of measuring a civilization's level of technological advancement based on the amount of energy it is able to use. The measure was proposed by Soviet astronomer Nikolai Kardashev in 1964.

The scale is hypothetical, and regards energy consumption on a cosmic scale. Various extensions of the scale have since been proposed, including a wider range of power levels (types 0, IV to VI) and the use of metrics other than pure power.

Video

Watch this, visual pleasing and full of knowledge on the topic.
https://www.youtube.com/watch?v=saWNMPL5ygk

Types of aliens

Robin Hanson coined two words in Lex Fridman Podcast #292. Grabby aliens which are civilisations that have chosen to expand into the universe and has multi governance. Silent aliens are civilisations have chosen to stay within their solar system and have single governance.

Grabby Aliens

Grabby aliens as Hanson says is intelligent life that has chosen to expand outside of their host solar system. The boundary between grabby and silent is the host solar system. Because its said that controlling a civilisation that has expanded beyond the solar system is close to impossible to achieve.

Silent Aliens

Silent civilisations have a single governance because of control. For a civilisation to stay silent they can not allow a single ship leave the solar system because that would guarantee exponential growth which can't be controlled. Like China is controlled because they use a single source of governance which makes it way easier to control.

Is single governance right or wrong?

In Sweden democracy is considered as the perfect choice. Dictatorship and single source governance without democracy is wrong, that is the least how I perceive it. Is that even correct? Let's say you wanted to control simulations of intelligent life. It's a very big chance of that will happen because it's very easy to do. Anyone will probably be able to do it on the cell phone which makes it a very difficult thing to control at least when you have

multiple sources of authority which I don't is the right choice. It's has it's perks in being able to distribute power amongst to multiple sources which is good since the power cannot be corrupted but it makes controlling something very difficult.

If you wanted to control something like simulations because it will be unethical or whatever we have to use a government that is like China or Russia a dictatorship. Dictatorship is not always bad and it doesn't mean the same thing as tyrant. There are perks and there are cons in both types of living but who says that China is less or more wrong than us? Well because of the Geneva convention because of the human rights. We constructed those rights.. the majority is the decider on whats right, and that's why we have western countries and other countries like China Russia Iraq, which we don't understand as western countries. We have different ideologies.

End of life

So what does this even tell us regarding the Fermi Paradox, well not much. It might give us some perspective and clarification on how difficult it is to explain the Fermi Paradox with full certainty. We can pretty say that there is currently life outside of earth, but not intelligent life. It could also be that other civilisations have chosen to stay silent.