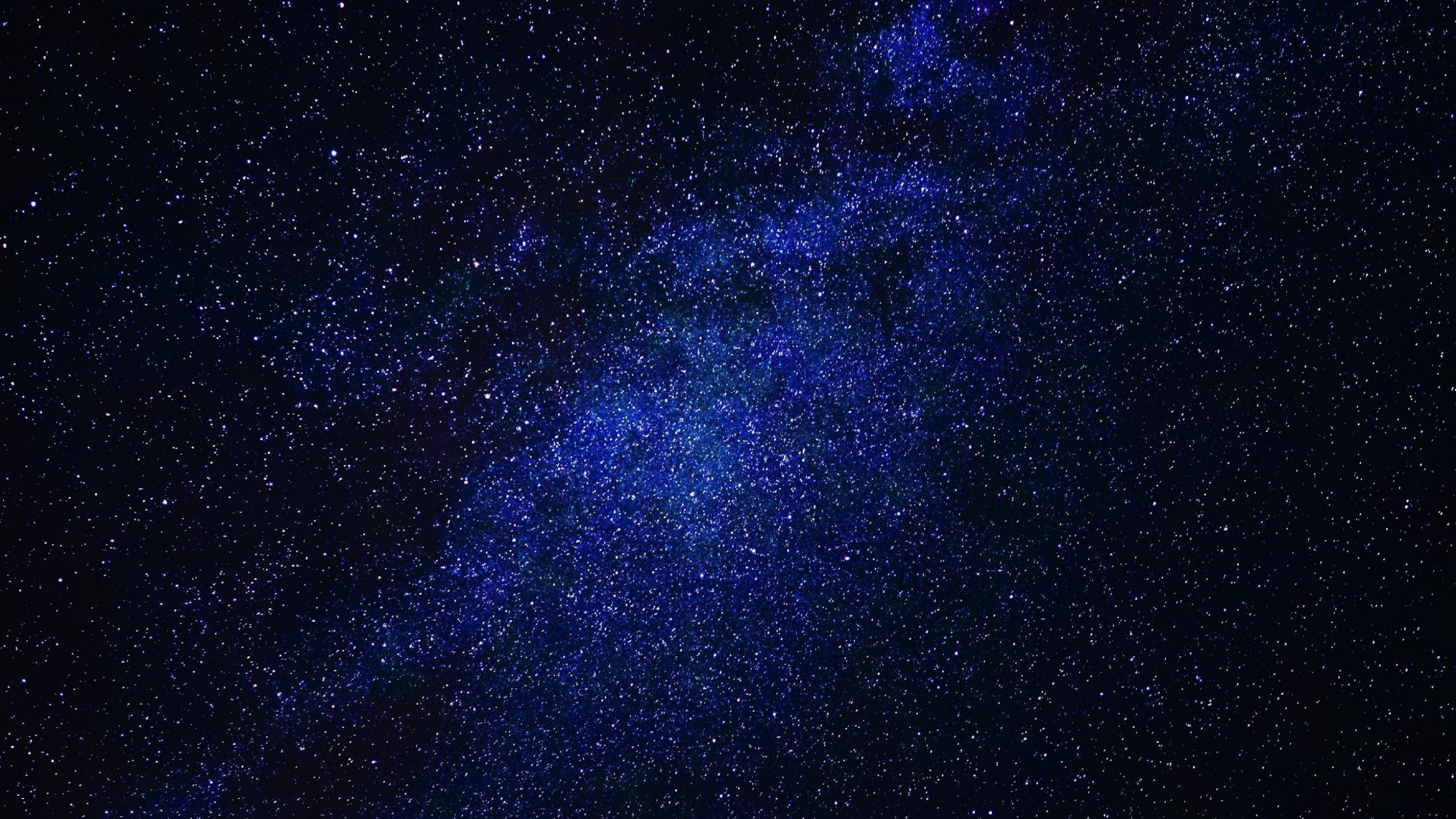
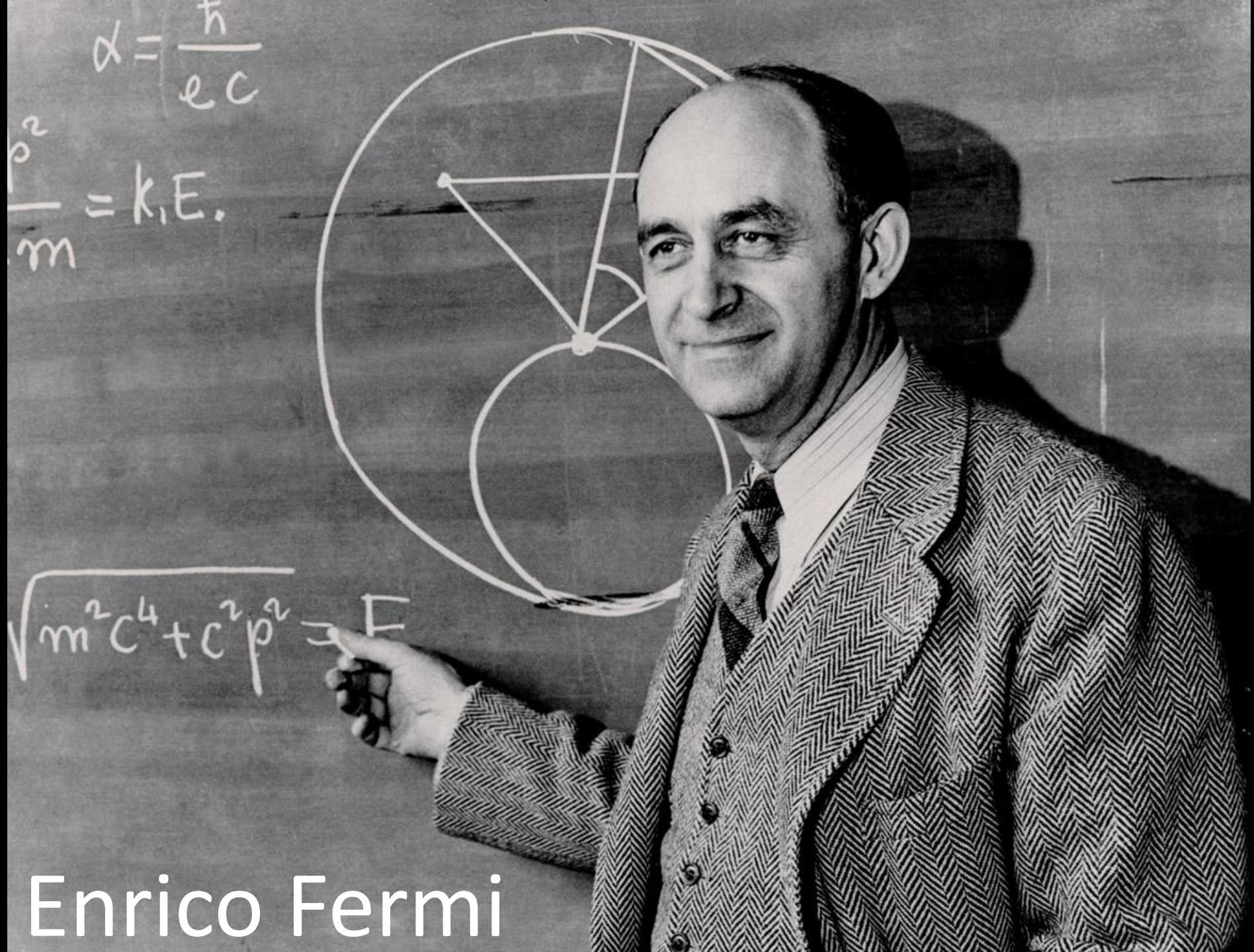


The background is a gradient of dark blue and purple, speckled with small white dots. On the left side, there are several concentric circles and a large circular scale with degree markings from 140 to 260. Some circles have arrows indicating a clockwise direction. The text 'THE FERMI PARADOX' is written in a large, white, sans-serif font on the right side.

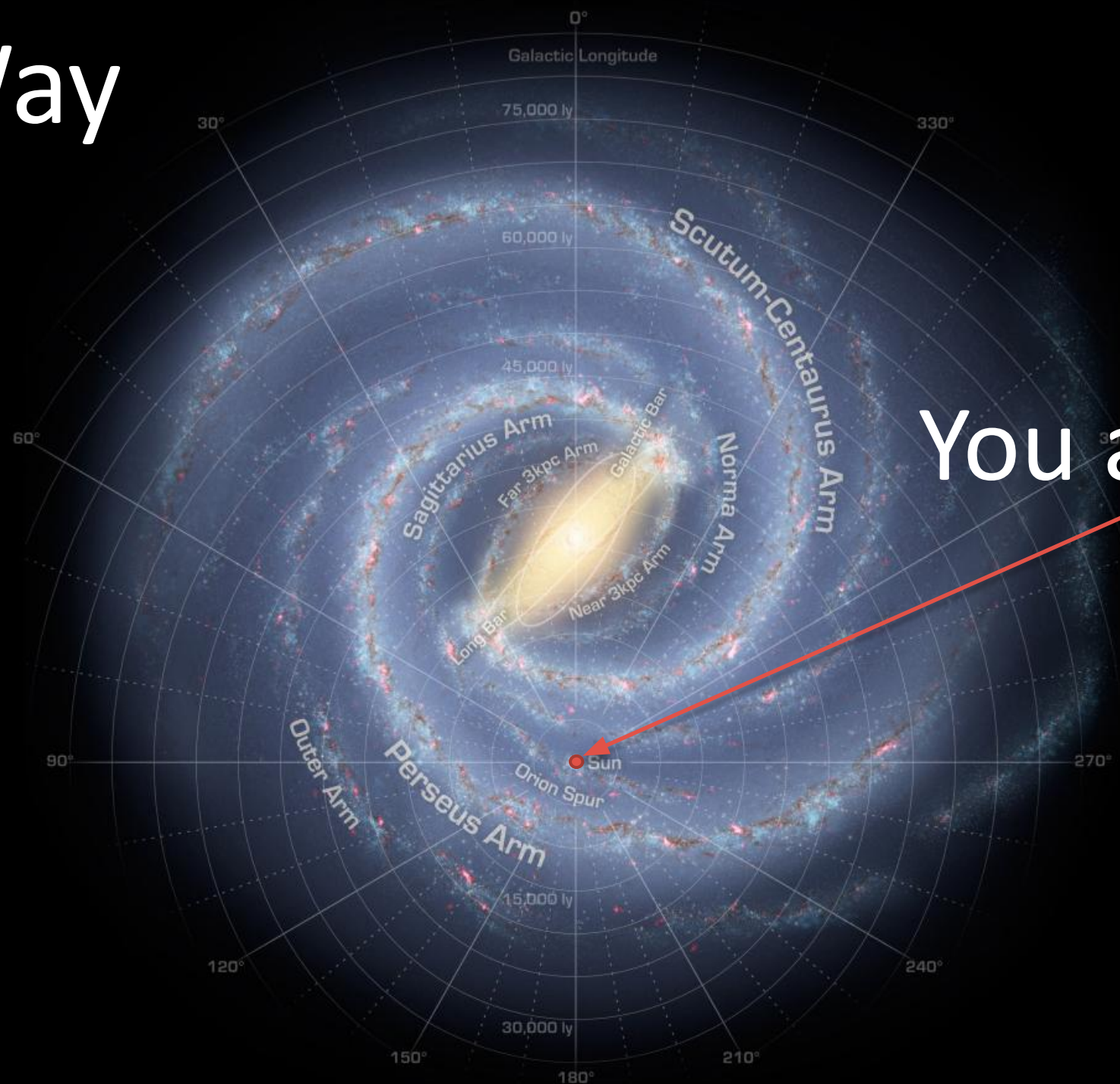
THE FERMI PARADOX





Enrico Fermi

Milky Way



You are there

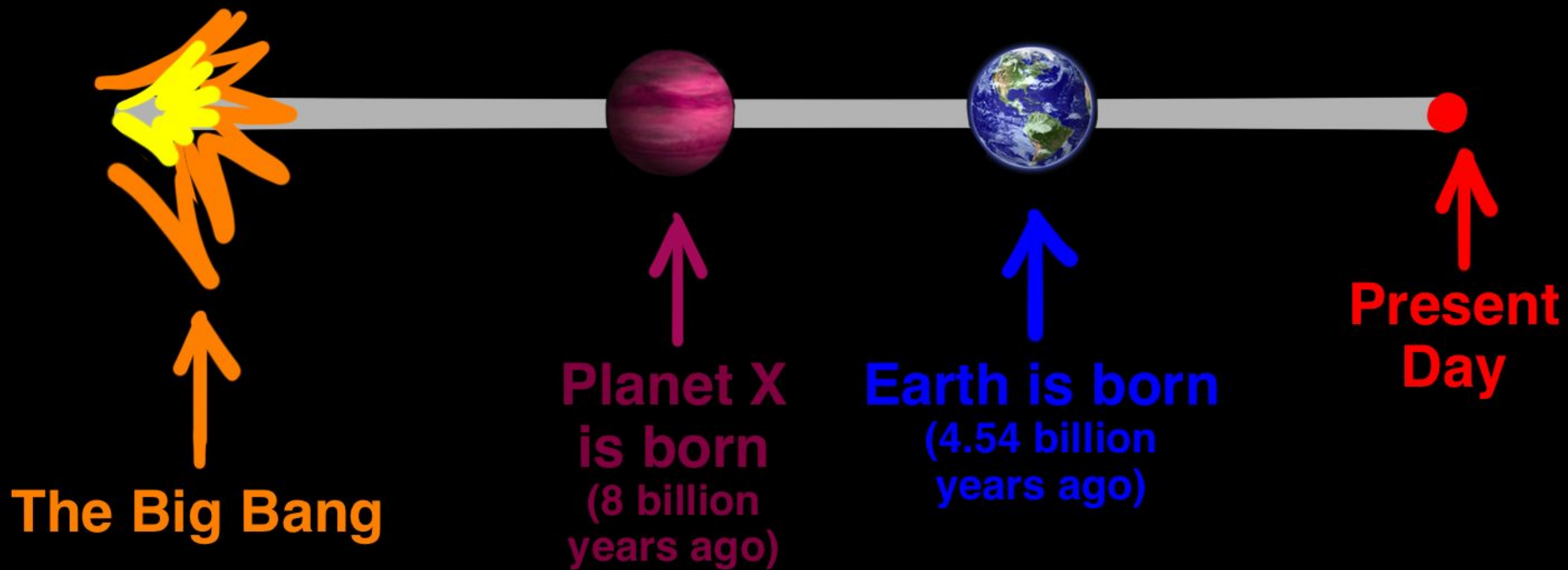




Laniakea

Milky Way

WHERE IS EVERYBODY?



Planet X's Lifespan
(8 billion years)

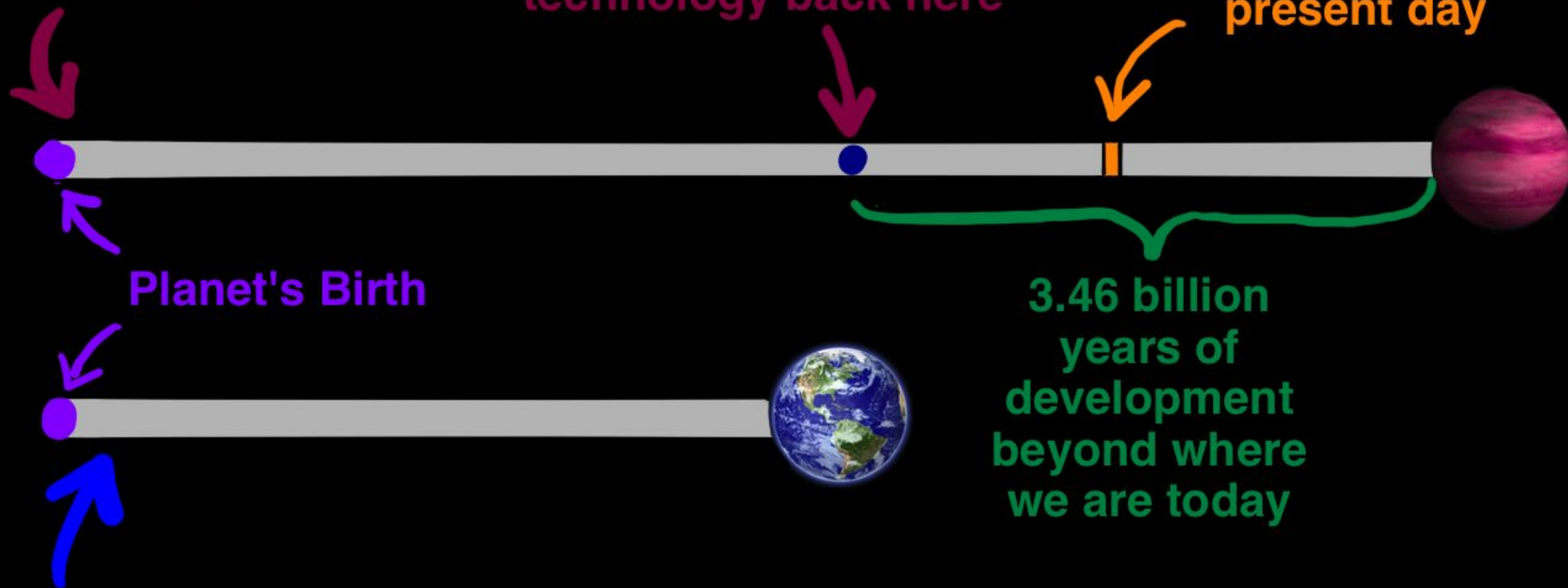
Planet X was at our
current level of
intelligence and
technology back here

The length of time
between the T-Rex's
extinction and the
present day

Planet's Birth

3.46 billion
years of
development
beyond where
we are today

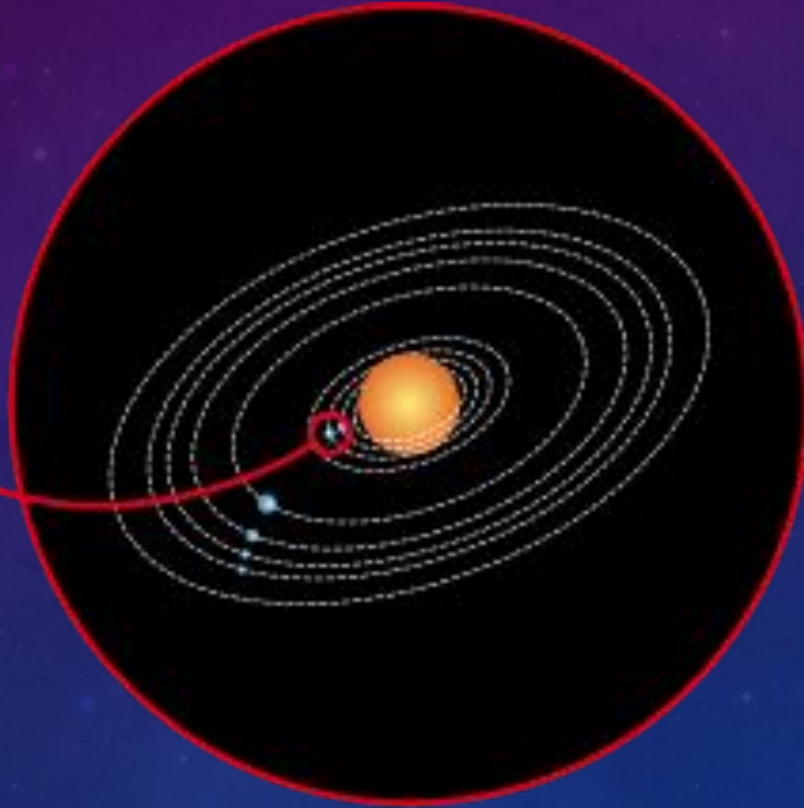
Earth's Lifespan
(4.54 billion years)



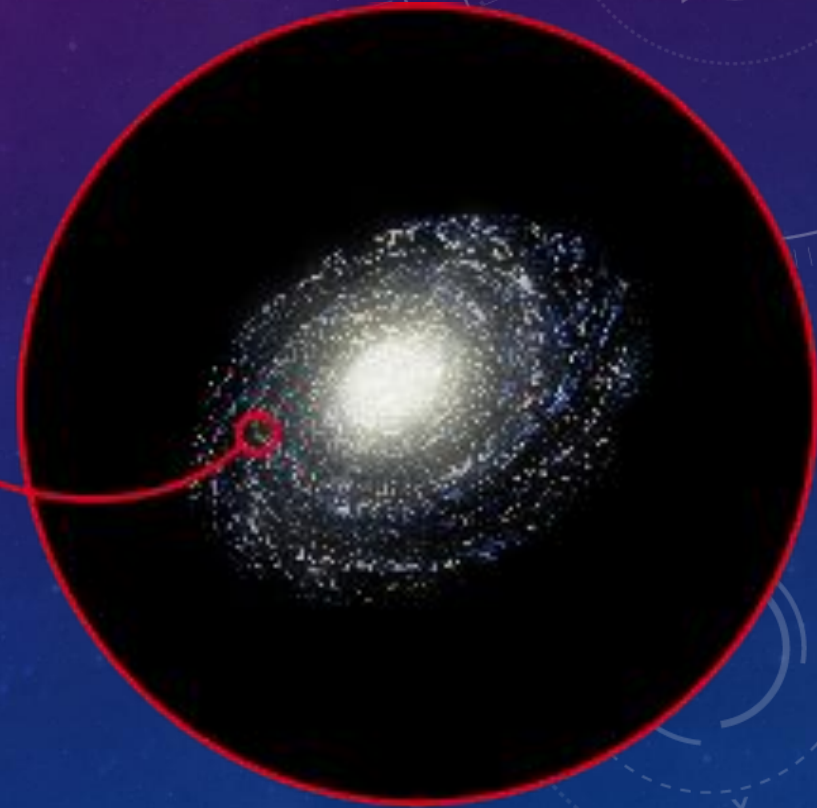
THE KARDASHEV SCALE



Type I : 10^{16} W

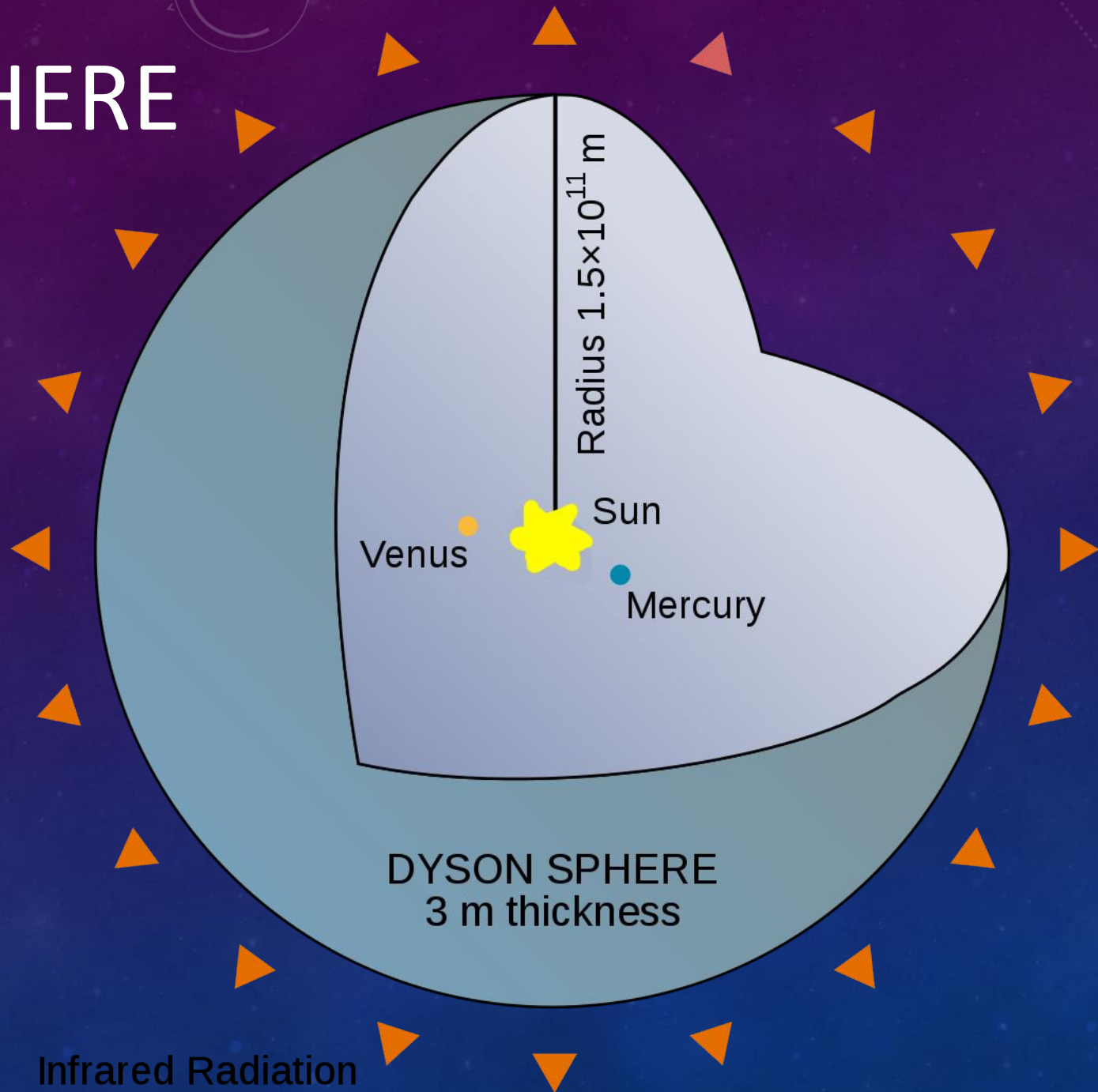


Type II : 10^{26} W



Type III : 10^{36} W

DYSON SPHERE



SO WHERE IS
EVERYBODY?

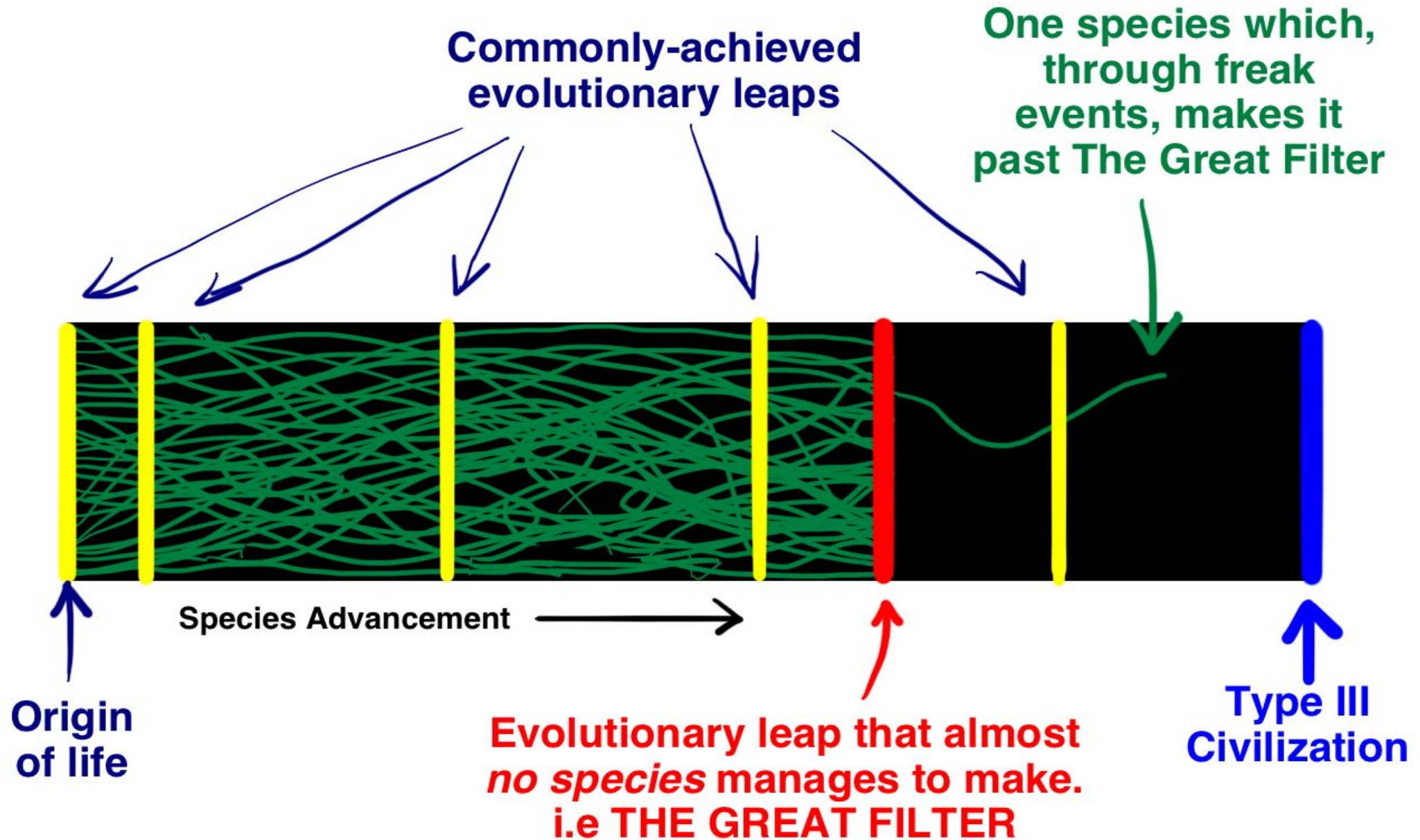


WELCOME TO THE FERMI PARADOX!

EXPLANATION GROUP 1

- There are no signs of higher (Type II and III) civilizations because there *are* no higher civilizations in existence.

The Great Filter



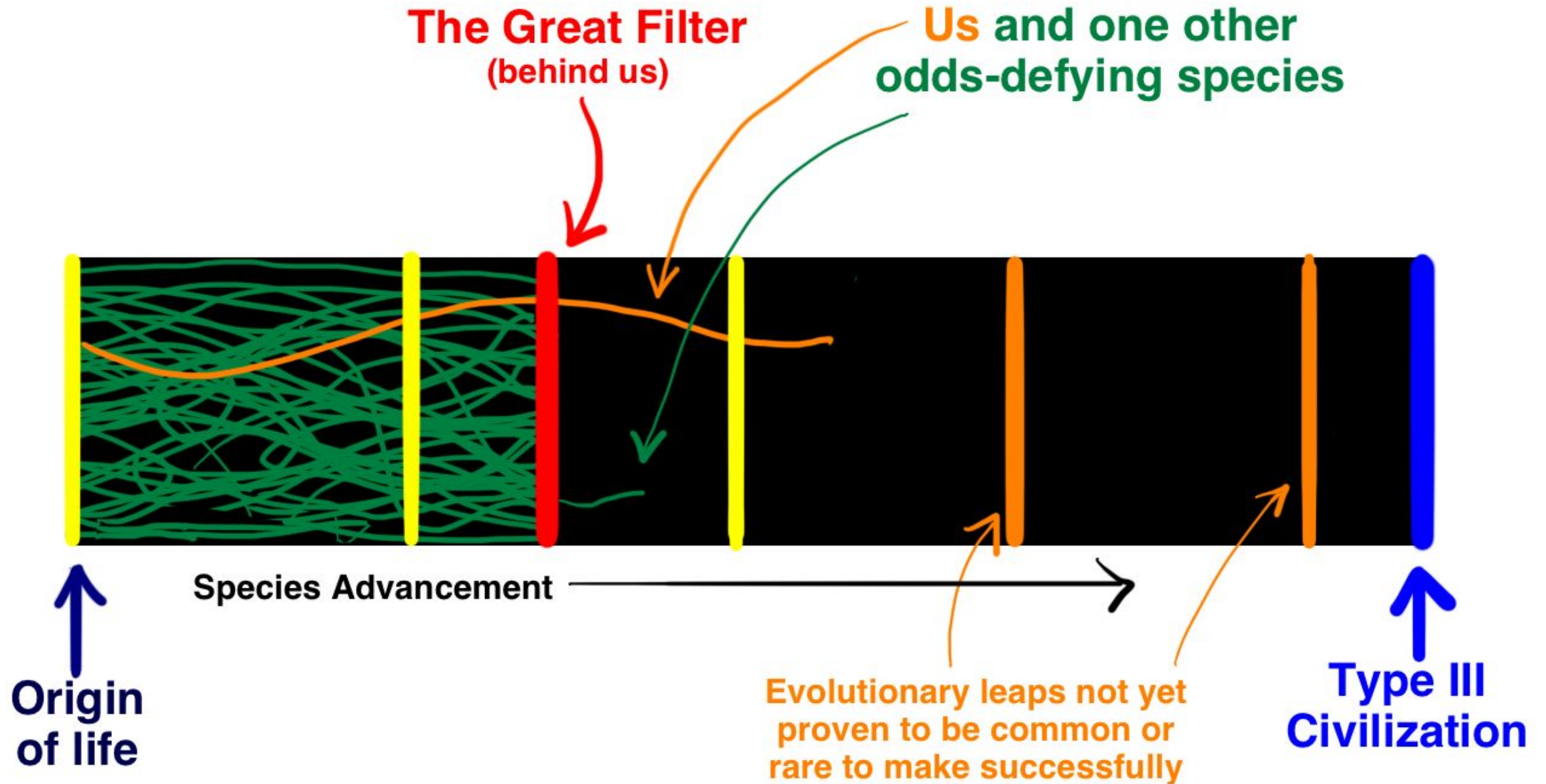


WHERE IN THE TIMELINE DOES THE GREAT
FILTER OCCUR?

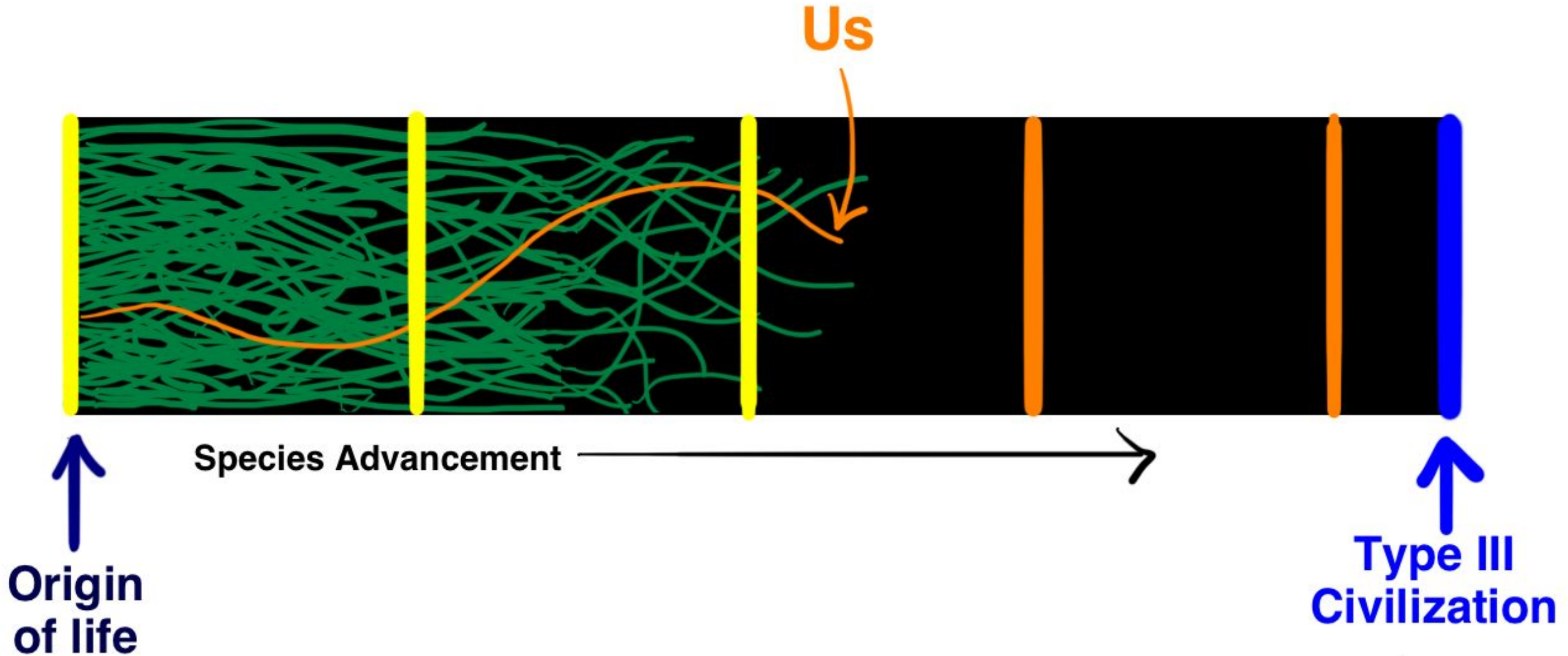
DEPENDING ON WHERE THE GREAT FILTER OCCURS, WE'RE LEFT WITH THREE POSSIBLE REALITIES:

- We're rare
- We're first
- We're f#ck3d

1. WE'RE RARE (THE GREAT FILTER IS *BEHIND* US)

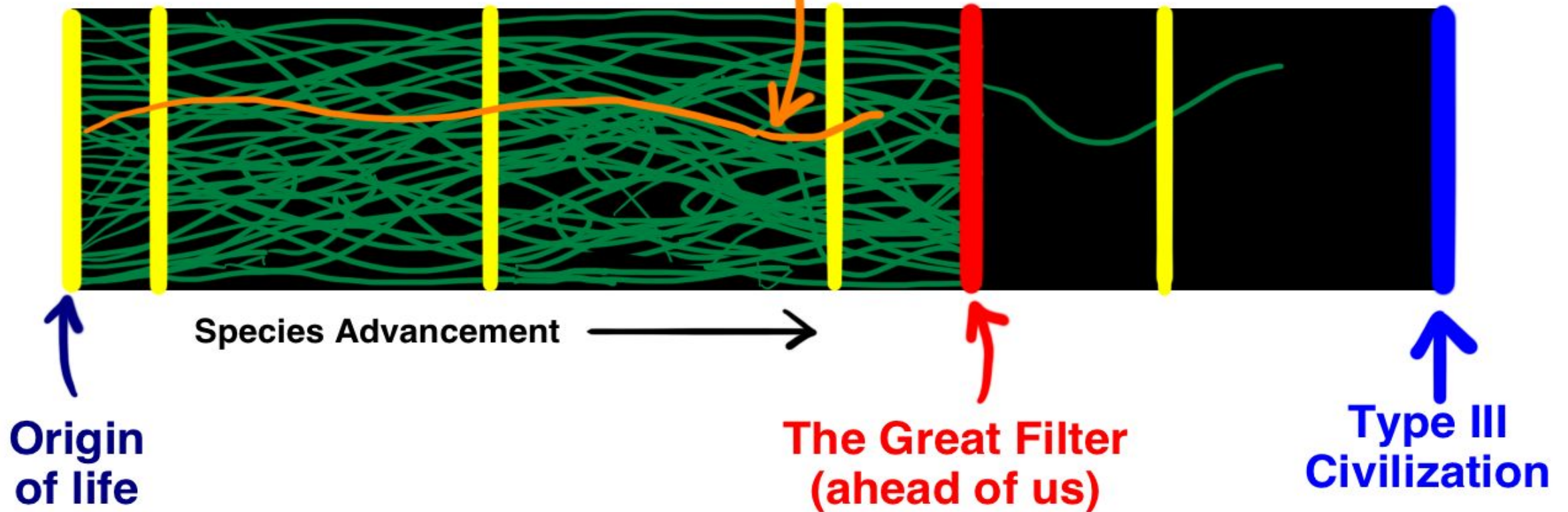


2. WE'RE THE FIRST



3. WE'RE F#CK3D (THE GREAT FILTER IS *AHEAD* OF US)

Us
(in trouble...)



EXPLANATION GROUP 2

- Type II and III intelligent civilizations *are* out there—and there are logical reasons why we might not have heard from them.

10 POSSIBLE EXPLANATIONS:

- Possibility 1) Super-intelligent life could very well have already visited Earth, but before we were here.
- Possibility 2) The galaxy has been colonized, but we just live in some desolate rural area of the galaxy.
- Possibility 3) The entire concept of physical colonization is a hilariously backward concept to a more advanced species.
- Possibility 4) There are scary predator civilizations out there, and most intelligent life knows better than to broadcast any outgoing signals and advertise their location.
- Possibility 5) There's only one instance of higher-intelligent life—a “superpredator” civilization (like humans are here on Earth)—that is *far* more advanced than everyone else and keeps it that way by exterminating any intelligent civilization once they get past a certain level.

10 POSSIBLE EXPLANATIONS:

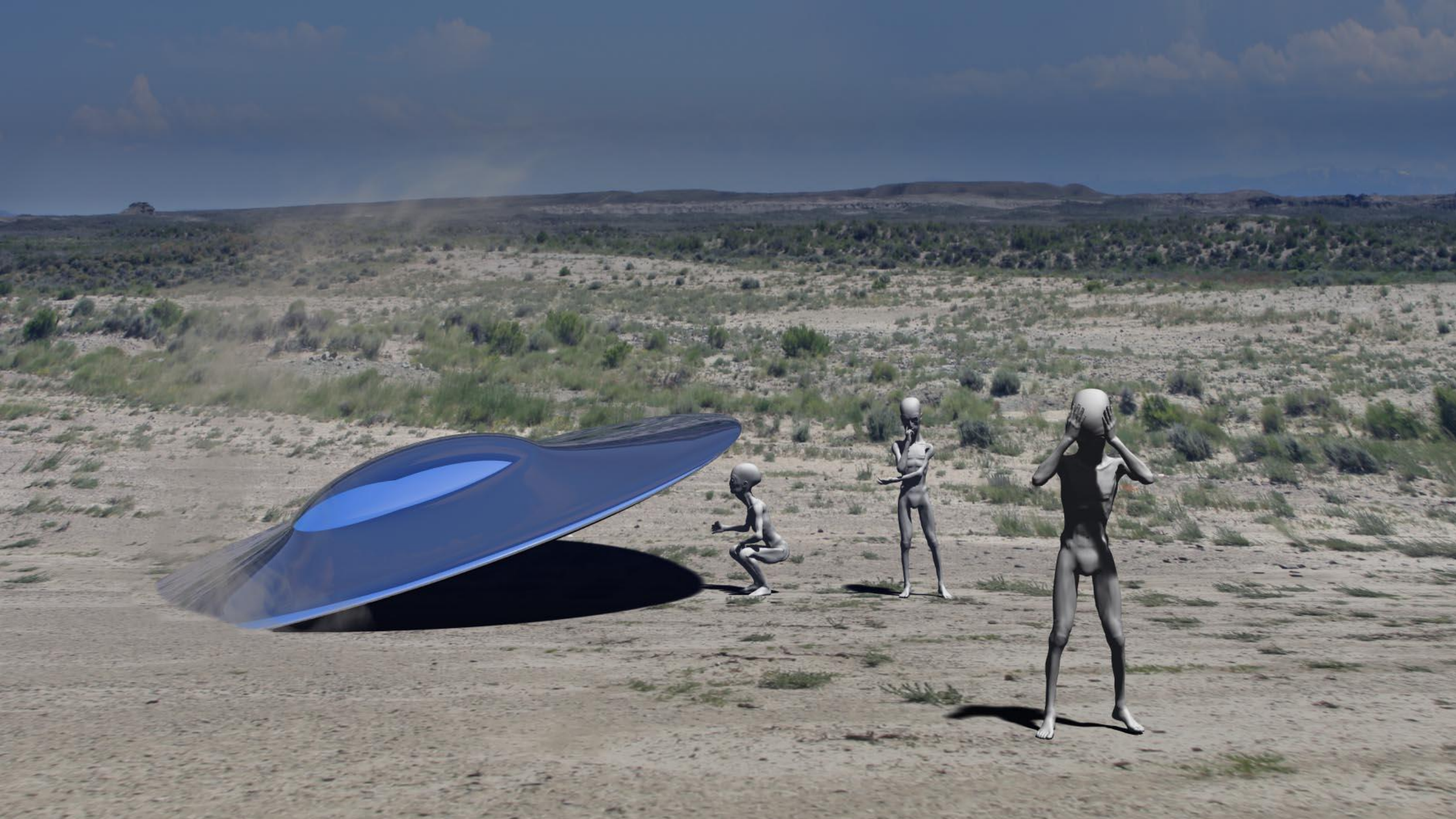
- Possibility 6) There's plenty of activity and noise out there, but our technology is too primitive and we're listening for the wrong things.
- Possibility 7) We *are* receiving contact from other intelligent life, but the government is hiding it.
- Possibility 8) Higher civilizations are aware of us and observing us (AKA the "Zoo Hypothesis").
- Possibility 9) Higher civilizations are here, all around us. But we're too primitive to perceive them.
- Possibility 10) We're completely wrong about our reality.



**POSSIBILITY 1) SUPER-INTELLIGENT LIFE COULD
VERY WELL HAVE ALREADY VISITED EARTH, BUT
BEFORE WE WERE HERE.**

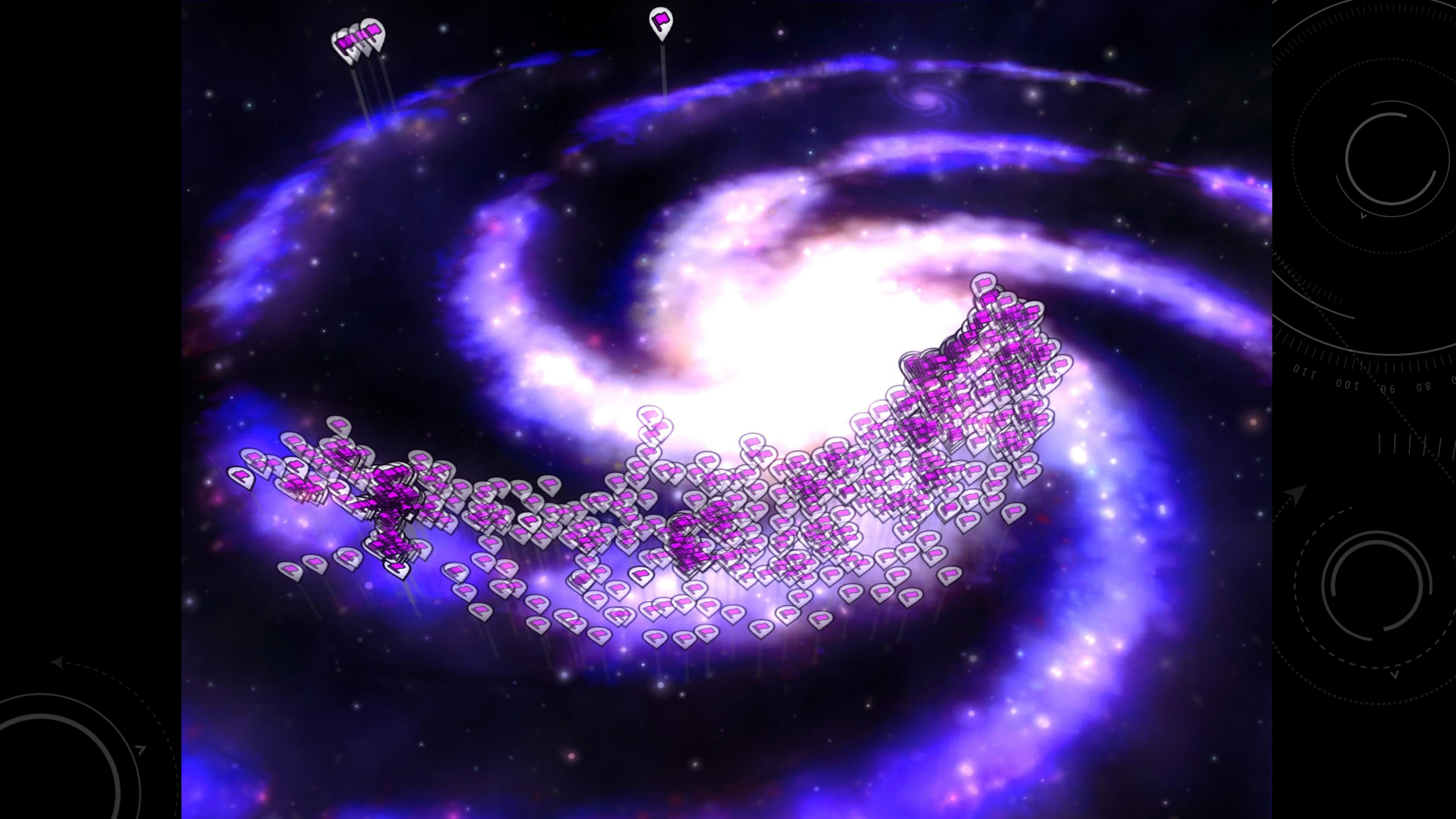






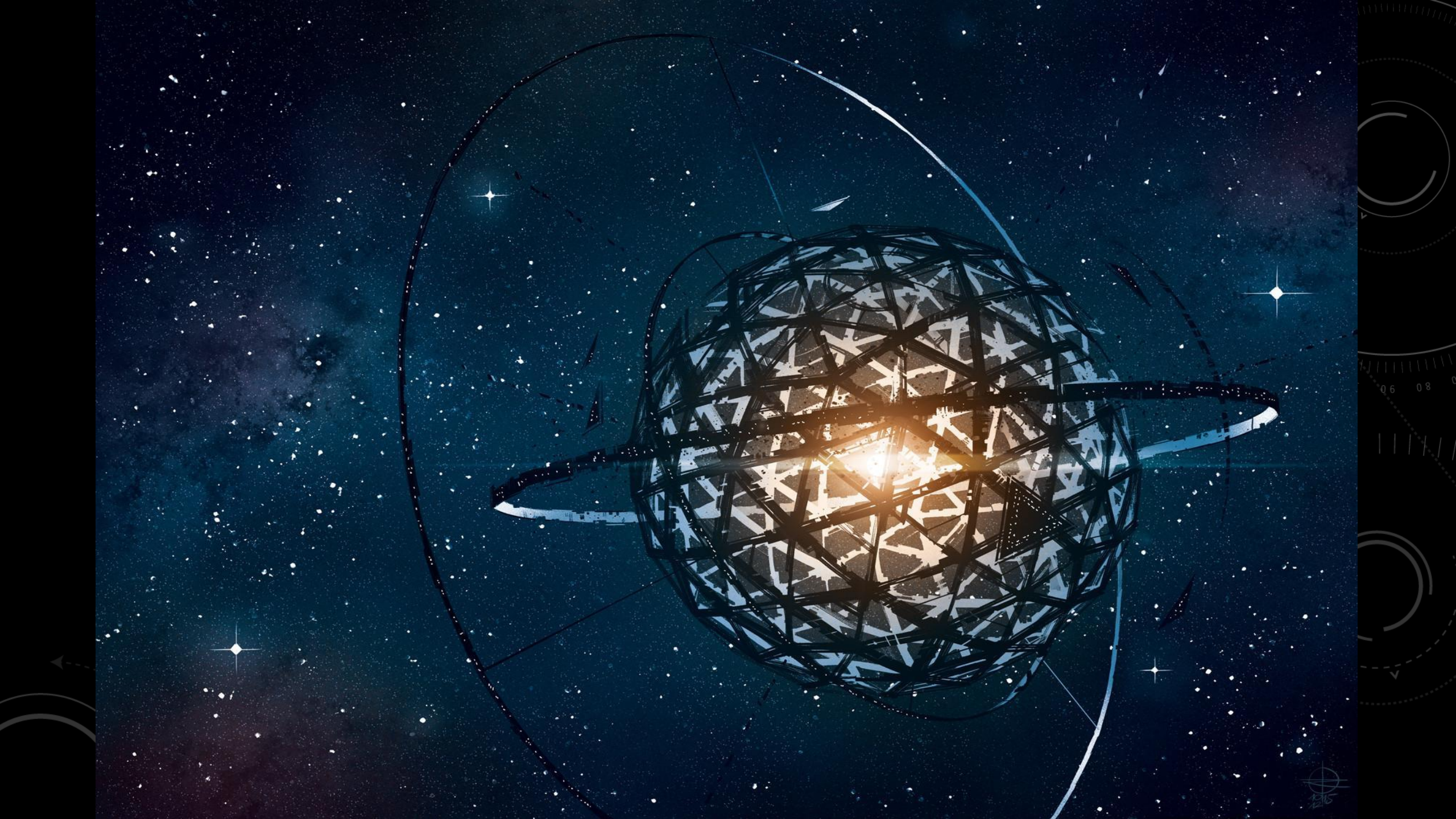


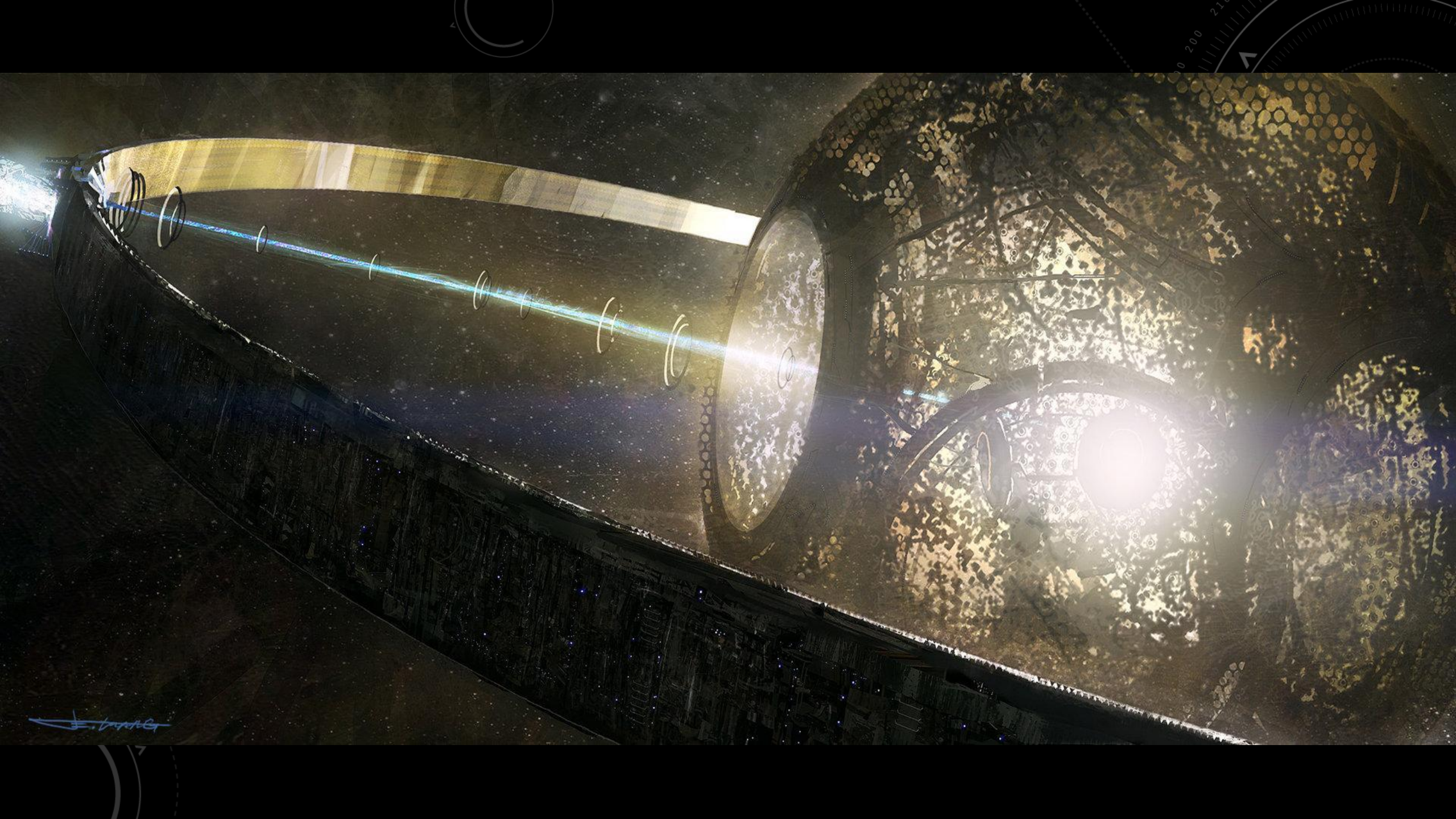
**POSSIBILITY 2) THE GALAXY HAS BEEN COLONIZED,
BUT WE JUST LIVE IN SOME DESOLATE RURAL
(COUNTRYSIDE) AREA OF THE GALAXY.**

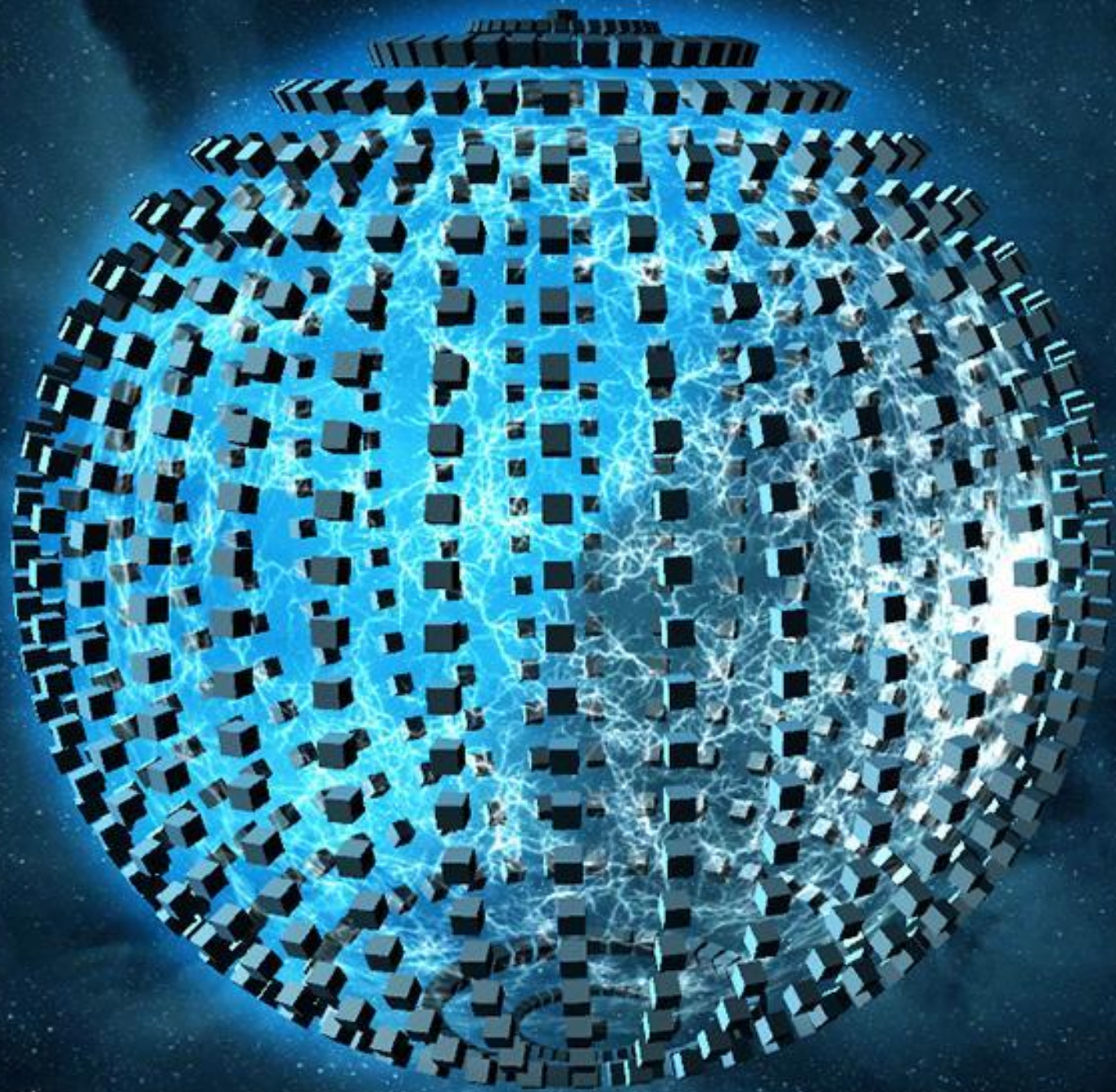




**POSSIBILITY 3) THE ENTIRE CONCEPT OF PHYSICAL
COLONIZATION IS A HILARIOUSLY BACKWARD
CONCEPT TO A MORE ADVANCED SPECIES.**





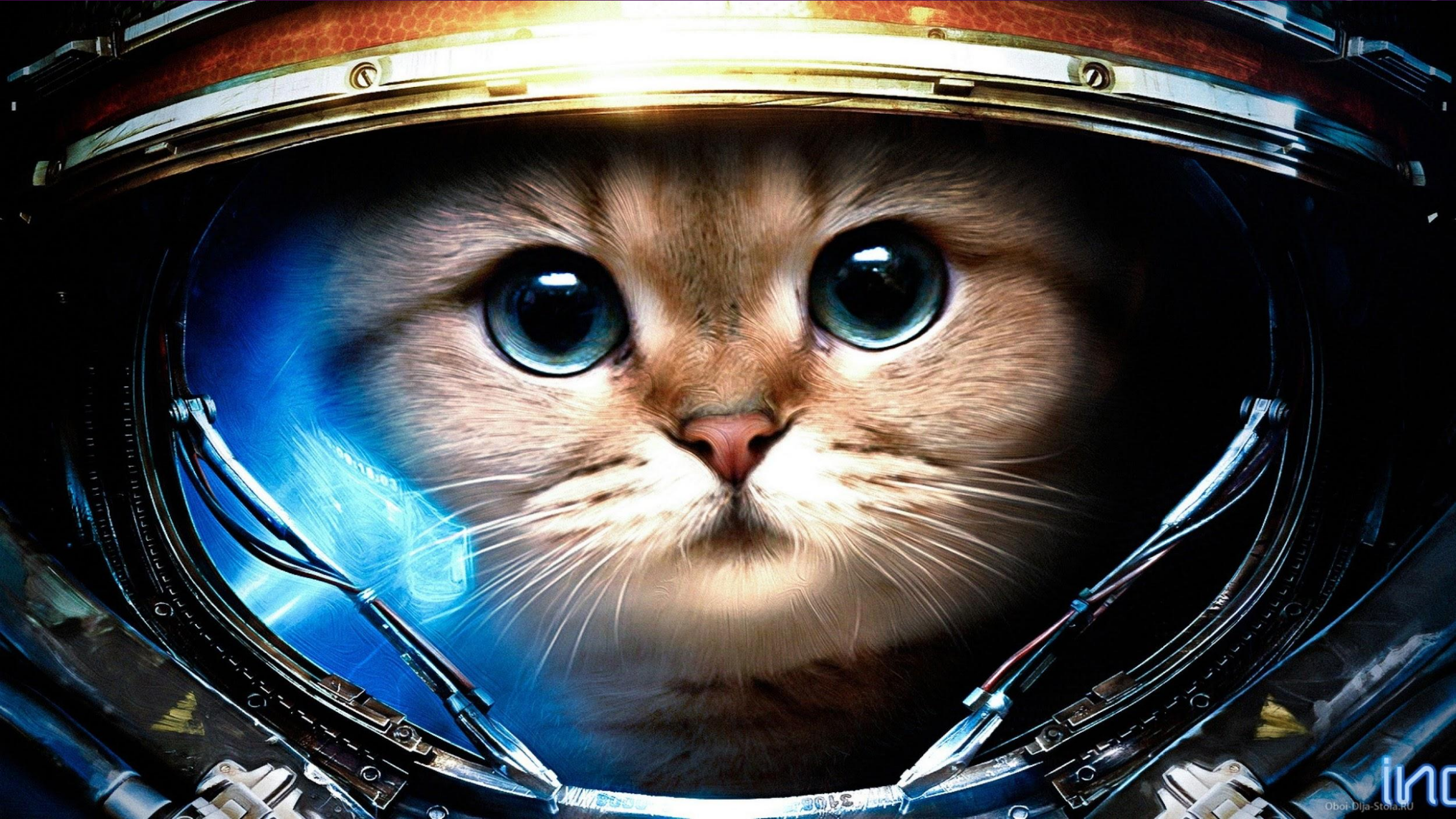


**POSSIBILITY 4) THERE ARE SCARY PREDATOR
CIVILIZATIONS OUT THERE, AND MOST INTELLIGENT
LIFE KNOWS BETTER THAN TO BROADCAST ANY
OUTGOING SIGNALS AND ADVERTISE THEIR
LOCATION.**





**POSSIBILITY 5) THERE'S ONLY ONE INSTANCE OF
HIGHER-INTELLIGENT LIFE—A “SUPERPREDATOR”
CIVILIZATION (LIKE HUMANS ARE HERE ON
EARTH)—THAT IS *FAR* MORE ADVANCED THAN
EVERYONE ELSE AND KEEPS IT THAT WAY BY
EXTERMINATING ANY INTELLIGENT CIVILIZATION
ONCE THEY GET PAST A CERTAIN LEVEL**









POSSIBILITY 6) THERE'S PLENTY OF ACTIVITY AND NOISE OUT THERE, BUT OUR TECHNOLOGY IS TOO PRIMITIVE AND WE'RE LISTENING FOR THE WRONG THINGS.









**POSSIBILITY 7) WE *ARE* RECEIVING CONTACT FROM
OTHER INTELLIGENT LIFE, BUT THE GOVERNMENT
IS HIDING IT.**



**POSSIBILITY 8) HIGHER CIVILIZATIONS ARE AWARE
OF US AND OBSERVING US (AKA THE “ZOO
HYPOTHESIS”).**







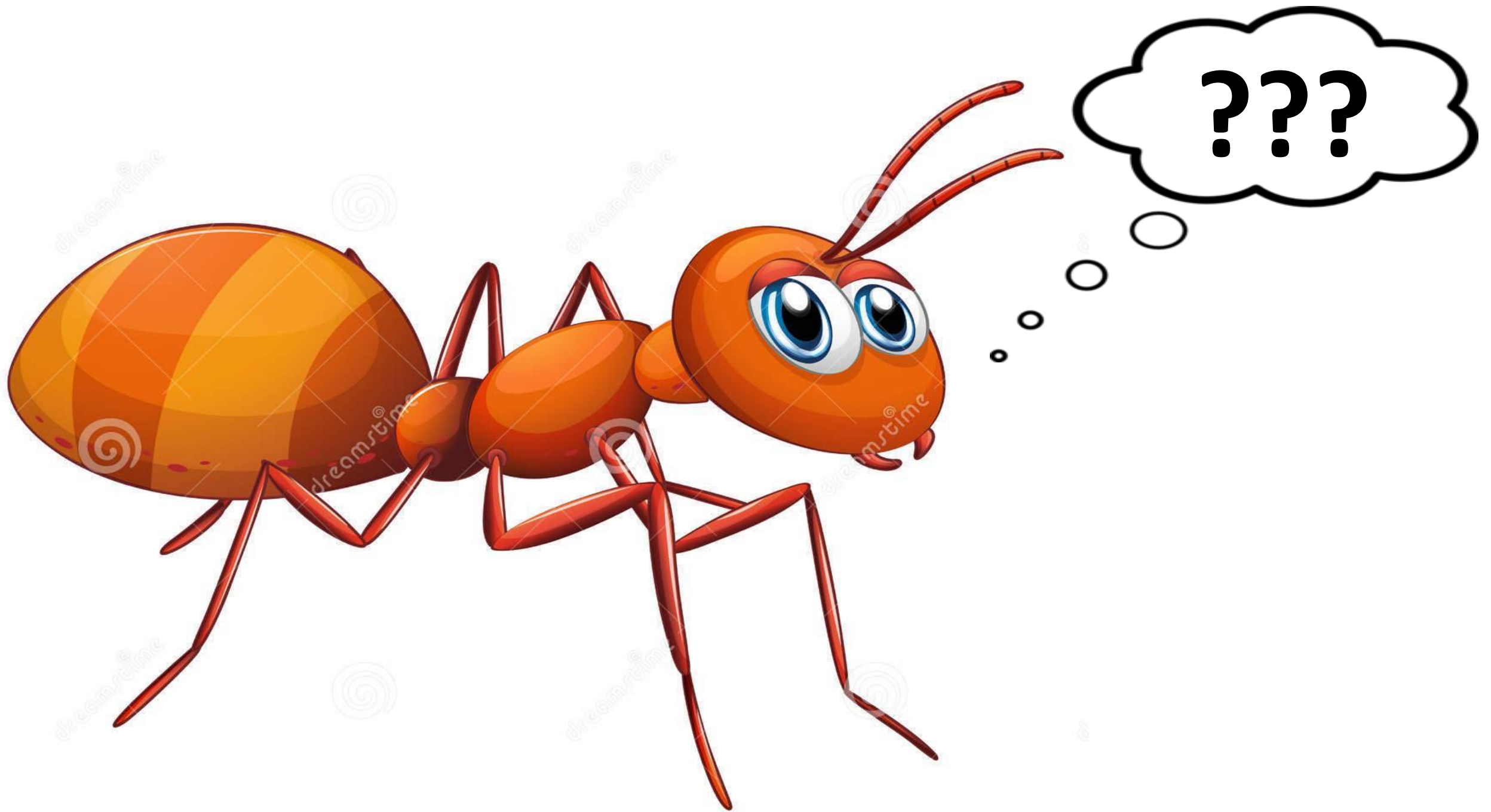
**POSSIBILITY 9) HIGHER CIVILIZATIONS ARE HERE,
ALL AROUND US. BUT WE'RE TOO PRIMITIVE TO
PERCEIVE THEM.**

Michio Kaku





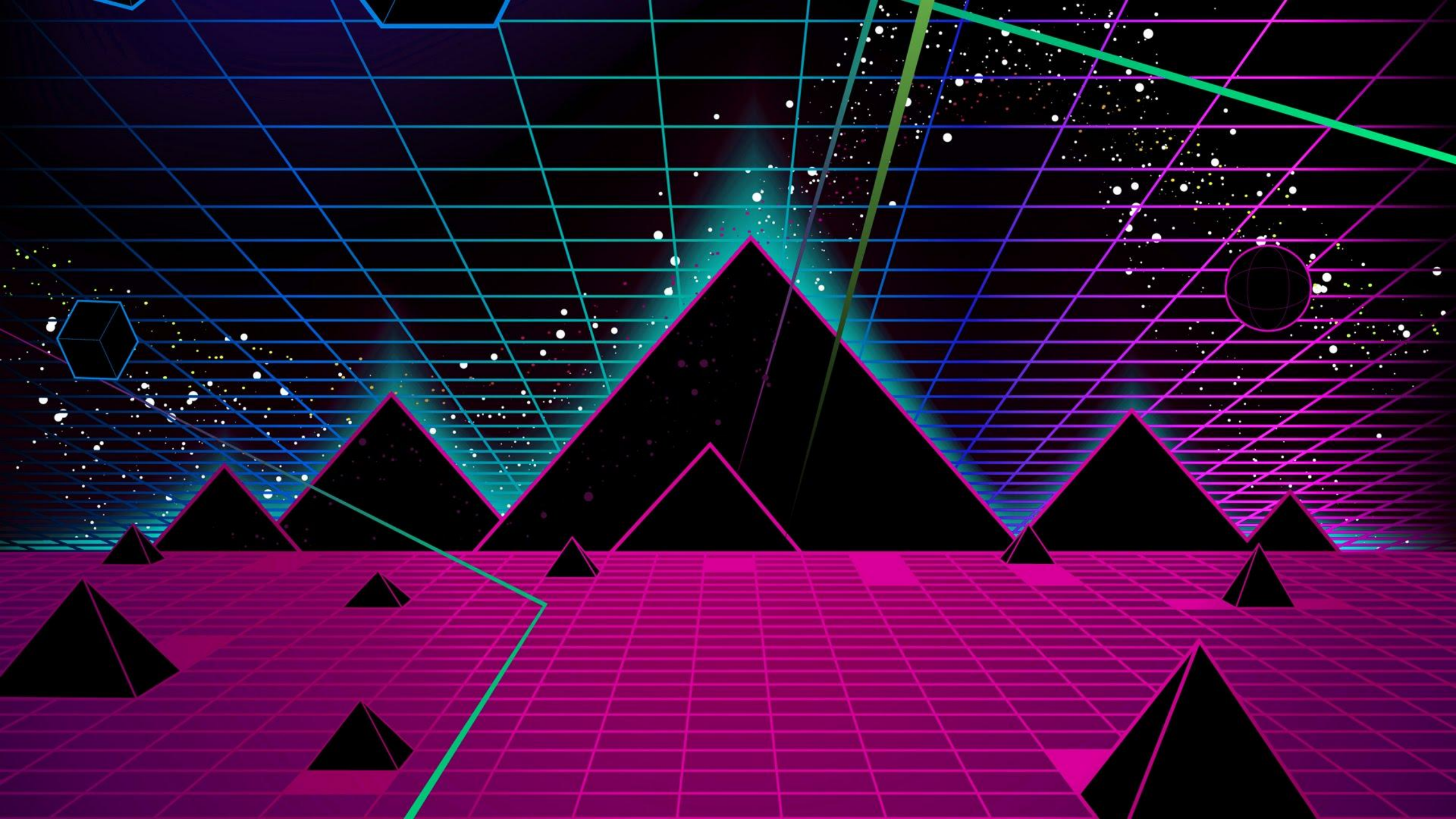
RIGHT LANE
MUST
TURN RIGHT

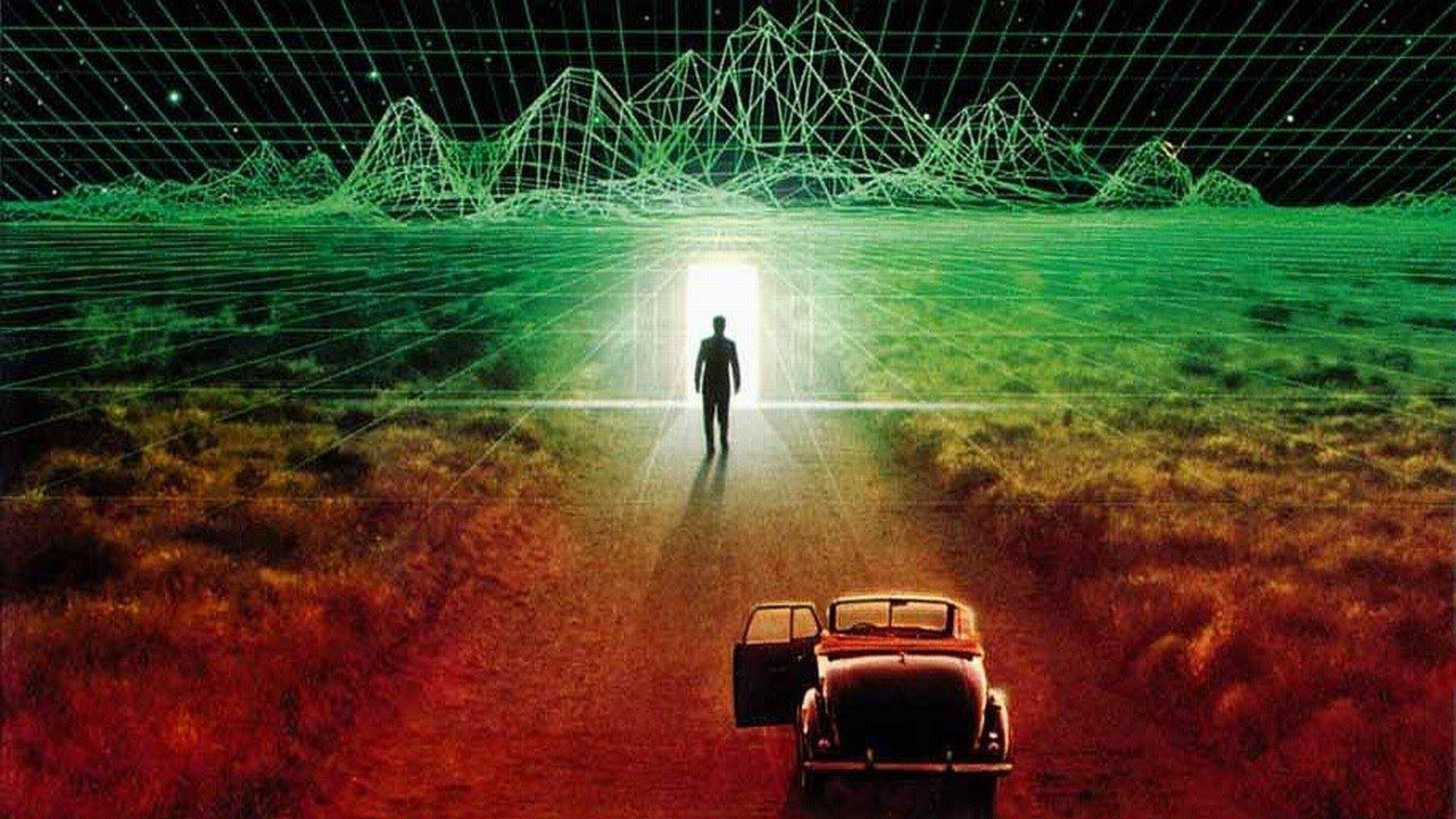




**POSSIBILITY 10) WE'RE COMPLETELY WRONG
ABOUT OUR REALITY**









THE END!

THANK YOU FOR YOUR ATTENTION!