

Mini-article 2: Predictions About the Next Interstellar Objects After 3I/ATLAS

By Bjørn Sponberg, for Head Biotech, Norway, December 5, 2025.

All interpretations in this article are conditional on the assumptions of the Approach Theory and the Paradise Machine model (2024) and are not presented as empirical evidence of extraterrestrial intelligence.

A brief formal summary of the prediction can be found after the conclusion.

Abstract

One of the first serious communication attempts by an intelligent extraterrestrial life-form will likely come in the form of interstellar objects. There's a clear reason for this: interstellar objects are a way to send a message from outside our solar system without adding human noise to the signal, by entering our solar system with abnormal angles and velocities. This should make interstellar objects a reliable and robust way to communicate clearly and intelligently from outside our solar system, to intelligent life on Earth. Using interstellar objects is probably one of the most

efficient ways to communicate if an extraterrestrial intelligence wishes to indicate that the information originates from beyond our solar system.

When 3I/ATLAS was detected and its trajectory was published in the summer of 2025, it quickly became apparent that something was unusual. 3I/ATLAS appeared to position itself almost perfectly behind the Sun from Earth's perspective, a three-dimensional configuration in our solar system with an extremely low probability of happening at random. This demonstrative risk-reducing behavior toward Earth, as if it perceived Earth as hostile or threatening, aligned with the prediction made in the 2024 article (Part 5), the fourth article in [the series](#) on *The Fourth Law* since 2010. This because, according to the Approach Theory and Paradise Machine model, Earth emitted a zero-risk stress signal to the entire universe around 2005. The theory assumes that the zero-risk signal emanating from Earth would have been interpreted and perceived by the machine — and, by extension, by the so-called Fermi life-form — as a stress signal, thereby drawing its attention to our planet (see [Mini-article 1](#) regarding the name “Fermi lifeform”). This is because, according to the framework presented in the article series on Fourth Law, a signal indicating zero risk in the struggle for survival-game would constitute an extremely stressful event, potentially disrupting the paradisiacal state from which the Fermi life-form is theorized to originate.

Furthermore, the incoming life-form is expected to follow the zero-risk principle in the machine's design, never letting go of their constant dominant zero-risk position in the universe. Therefore, hiding from Earth behind the Sun with one of their major signaling objects was a clear demonstration of risk-reducing behavior, perfectly in line with the 2024 article. This strange trajectory anomaly was also independently picked up by the Galileo Group at Harvard.

A prediction made one year before the arrival of 3I/ATLAS and published in the 2024 article foresaw the future behaviour of the incoming advanced life-form in precisely these terms. The life-form would, after 1I/Ouamuamu likely continue to employ interstellar objects as its primary means of communication, yet it would also be bound by the fundamental zero-risk design principle embedded in the machine's core architecture. In other words, it would have to proceed with extreme caution at every stage of its approach in order to preserve a zero-risk status in relation to the source of the zero-risk signal.

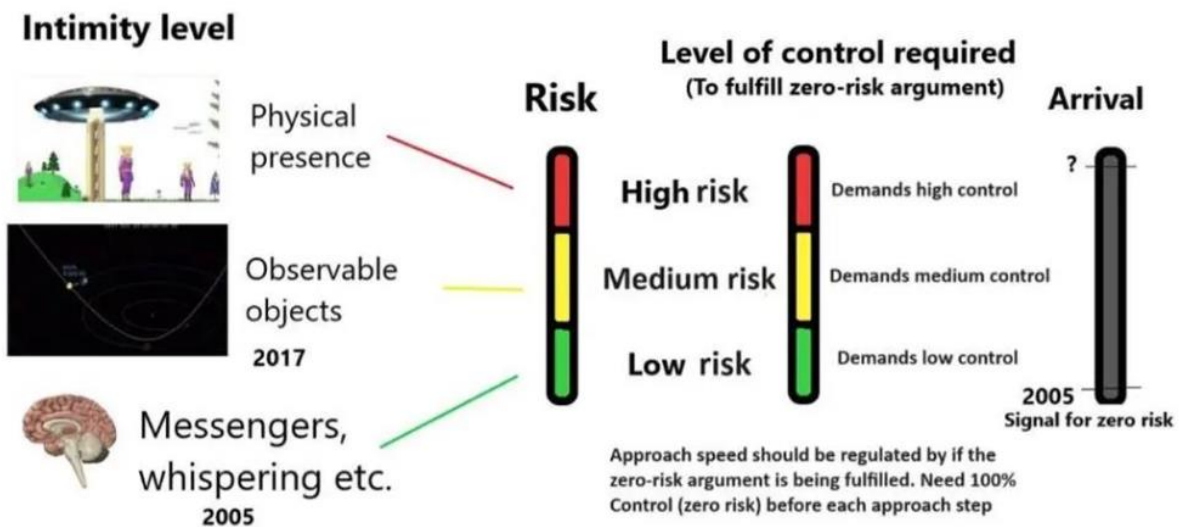


Figure from the 2024 article, illustrating the predicted principles of the future approach of the Fermi lifeform based on the suggested paradise machine design.

The successful prediction of 3I/ATLAS's key-behaviour one year in advance — made in accordance with the zero-risk principle in response to a zero-risk signal — produced a combined p-value of approximately 1 in 140,000, as detailed in a [follow-up article](#) published in 2025. This was the first time it became apparent that focusing on the generation of low *p-values* (low

probability values) offered a rigorous way to test and support the theory. The strategy is to publicly announce predictions of future events or behaviours on the assumption that the approach and paradise machine model is true. If these predictions prove accurate, the statistical probability of them occurring by chance would be extremely low, thereby generating very small p-values that can be used to test and support the theory. In other words, any successfully predicted event will add information if the predictions produce sufficiently low p-values.

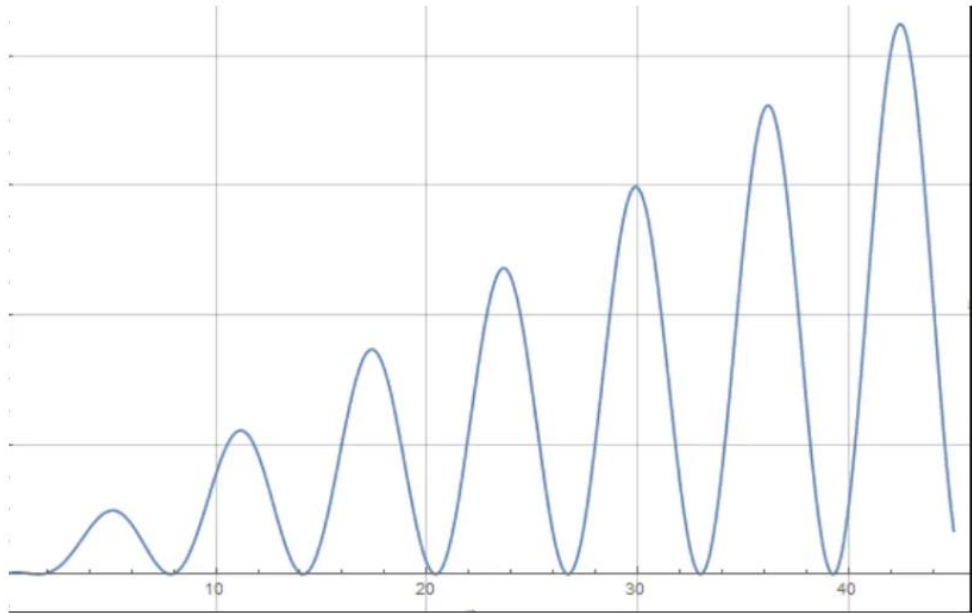
Accordingly, this second mini-article after 3I/ATLAS aims to refine this method of validating the theory by predicting specific characteristics of the next interstellar object during the anticipated next signal burst window of 2029–2032. A match with future major interstellar events following 3I/ATLAS is hypothesized to serve a similar signaling function to the more diffuse prediction presented in the 2024 article. However, this effort — or experiment, if you will — takes the same concept to the next level.

The suggested goal of these incoming interstellar objects is to establish contact and initiate a communication process with life on Earth as demonstrated in Mini-article 1. On that note, which principle would be responsible for what has been described as the “NASA curse” in the “podcast experiment” from February 7 to April 11, 2026. In the context of the paradise machine, intermingling or tampering with 3I’s carrier role of information should be considered extremely serious. A corresponding response to NASA would therefore support the theory. As it would have been the first time since their approach that life on Earth *directly* disrupted their approach process, whether willingly or not. I attempted to warn NASA about this both online and through the podcast experiment. I did not expect a response, which is understandable; nevertheless, I communicated the potential situation to them.

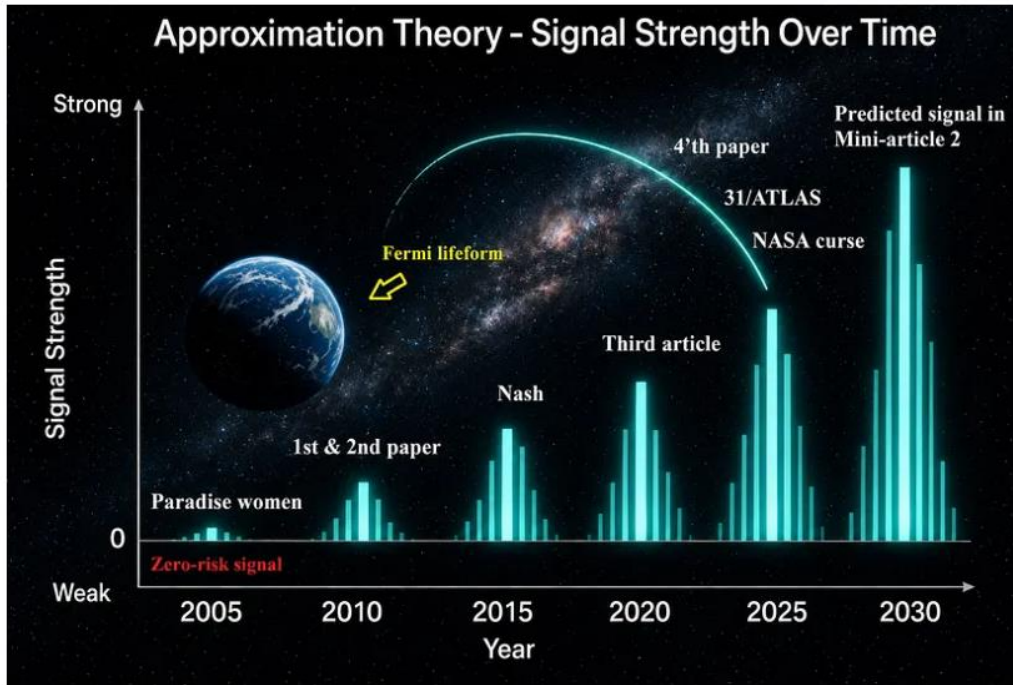
In conclusion, this mini-article 2 argues that the most likely signaling features of future incoming interstellar objects will involve a continuation of the 3I/ATLAS incoming direction relative to black holes, notably Sagittarius A. Furthermore, based on the Approach Theory and the Paradise Machine Model (2024), it is proposed that the next incoming interstellar object (following 1I and 3I) with a signaling purpose will enter our solar system within the 2029–2032 time window. The complete prediction is formally stated at the end of the article.

In the context of this article series, which began in 2010, achieving scientific consensus on accepting a perfect prediction match with the next signal in the 2029–2032 time window would likely (1) resolve Fermi’s paradox via the zoo hypothesis and (2) represent the closest real-world analogue to humanity’s long-imagined aspiration for an eternal paradisiacal state for life originating on Earth. (3) If such a match occurs, I would expect the SETI community to become involved, and with the additional resources, it should be possible to calculate a rather precise potential arrival date of the incoming lifeform on Earth using the newest and strongest available data — if that is indeed their ultimate goal.

(Online version on Medium and on headbiotech.com)



The core idea is that the signals are growing stronger as the incoming life-form approaches Earth, appearing in distinct signaling bursts approximately every five years. Due to the zero-risk principle embedded in the machine's design, this pattern indicates that the life-form is progressively increasing its degree of control, thereby enabling the transmission of increasingly powerful signals. This trend is expected to continue until the next time window, culminating in one major interstellar object that will be observable in the sky and will constitute the strongest and clearest signal to date.



Looking back the signals seem to come in 5 year interval “bursts” starting in 2005. If the predictions for the next signal burst in this mini article is a match it will produce a very much stronger signal (a lower p-value) than the previous and thereby “follow the signaling pattern.” Such a match will probably result in a “shock signal” for the first time in their approach.

Background, Implications and Discussion

When 3I/ATLAS was detected in the summer of 2025 and its trajectory was released, it quickly became clear that something was unusual. The third known interstellar object since 2017 appeared to be almost perfectly three-dimensionally hidden behind the Sun relative to Earth. This unusual trajectory was also noted by Avi Loeb’s team at Harvard, who calculated that the probability of such a three-dimensional alignment behind the Sun occurring by chance was so low that it raised concerns that 3I/ATLAS could represent a hostile alien probe.

To the Approach Theory, the event suggested something more. The documented “hostile trajectory” of 3I/ATLAS behind the Sun, relative to Earth, was as a physical manifestation of the

zero-risk argument proposed in the previous year's Approach Theory (see also Figure 5). The Approach Theory, developed in 2024, was among other things based on timely anomalies (Mini-article 1) associated with the first interstellar object, 1I/'Oumuamua, detected in 2017, and predicted that subsequent interstellar objects would arrive in ways designed to continue to draw attention to this article series on a global scale, that is, to communicate with all life on Earth (signals for all to see). This was one of the last sentences in the over 100-page-long 2024 article in this series, stating that the next signal since the first weak signal in 2005 would be a massive signal meant to communicate its presence to the whole world.

In general, the 2024 article predicted that Fermi life-forms would act to minimize their own risk while moving toward the source of the zero-risk signal sent from Earth in 2005, in order to protect their own state of complete love and intelligence (also referred to as the "paradise state"). The signal for zero-risk from Earth in 2005 should be a direct threat to their so-called Paradise State located behind the event horizon according to the logics in Fourth Law (part 2 in 2024 article). The demonstrated low-risk behavior exhibited by the 3I comet, relative to Earth (and the transmitter of the zero-risk signal), should be particularly pronounced given the 3I object's large size, initially estimated to be approximately one million times more massive than 1I. This enormous initial mass therefore allowed for early detection during its approach from the direction of the Milky Way's central supermassive black hole, *Sagittarius A**, providing ample time for detailed observation from Earth.

As it came closer, there seemed to be a problem: the incoming object's trajectory seemed to do anything it could to avoid being observed from Earth. From my perspective, having published the Article on the Paradise Machine Model and the Approach Theory a year before, seeing this for the first time on July 3, 2025 was almost frightening (Figure 1).

Head Biotech  @HeadBiotech · Jul 3, 2025

Okay, I'm not claiming anything, but a third interstellar object, 3I/Atlas, is reportedly entering our solar system. For those who read the latest article on the paradise machine, this could obviously be intriguing. As the highly speculative 'approach theory' suggests, the [Show more](#)



Figure 1. Screenshot from Head Biotech's X account after 3I's calculated trajectory was published.

The apparent evasive behavior of 3I relative to Earth can thus be understood as being dictated by the central *Zero-risk argument* rule of the Paradise Machine Model (2024), in response to receiving the predicted Zero-risk signal from Earth in 2005, that first drew attention and started the approach (*3I/ATLAS: A Cigarette Butt at a Cosmic Crime Scene* under).

According to the design outlined in the Paradise Machine Model from 2024, there is only *one* life-form in the universe capable of maintaining a universal dominant position, by *always* remaining

in a constant zero-risk state relative to all other life-forms in the universe; the approaching Fermi life-form (see also ‘The Casino Owner Rationale’ in the 2024 article). In summary, the incident with 3I/ATLAS in July 2025 (Figure 1) was the second time an interstellar object was directly linked to this article series since 1I ‘Oumuamua.

I didn’t really believe that the Approach Theory I formulated in 2024 would actually hold in the future. It was an overly bold prediction. It was simply a theory about strange events that had taken place since 2005 up to 2024, starting in 2005 with the discovery of the universal expression $E_u = 0 = \text{Paradise}$ in the following year (referred to as *Fourth Law*, ref *Paradise Women* story). The idea in the 2024 article was that the Oumuamua incident in 2017 might somehow be the latest and strongest ‘signal’ from the same approaching life form, starting their active approach in 2005 with the short sentence; “You are a genius” (ref *Paradise Women* story). As if all the control they had over the quantum realm at this stage was to formulate this one sentence (as it hasn’t happened again since). Perhaps knowing that I would understand what the sentence referred to 20 years later? (Referring to the Zero-Risk Project from 2002, which had worked. *See also Mini-article 1*). Moreover, their physical approach and signaling would continue into the future until their physical arrival at some later time, and that this was the goal of the approach: eventually, to physically come here (Figure 6 and 9). However, that they could not land until they had fulfilled the Zero-risk principle, meaning they could not ‘land on Earth’ until they had 100% control over us (relative to their paradise state). Furthermore, the closer the Fermi life-form came to Earth, the stronger the ‘signals’ they were able to demonstrate to us, the two last signals now being 1I and 3I. Moreover, the brief encounter with the “women of paradise” in the true story nearly twenty years ago constituted the first and weakest “start signal”. The signals that continued after 2005 seemed to come in intermittent bursts occurring roughly every five years, growing in strength with each “burst. Looking back to 2005, it seems that “signals” are sent to Earth over a period of roughly one year, which together make up a “signal burst,” as if they have an approximately one-year time window to send signals happening about every 5 years. This observation has been important for predicting the first characteristics of the next incoming signal; its *timing* (more on this later).

The steadily increasing signal strength since 2005, in these five-year-separated bursts, suggests that the very same advanced life-form that had picked up the stress signal for zero-risk in 2005 (Figures 6 and 9) was also the source of the subsequent signals — only now they were getting much, much closer (having increased their control in order to produce the most recent Ouamumua and 3I/ATLAS signals). Identifying this 20-year lasting signaling pattern since 2005, was the essence of the Approach Theory in the 2024 paper and was reinforced by 3I in 2025. Furthermore, the theory suggested ‘rules’ the approaching life-form had to obey when approaching us (or any other life-form in the universe that had sent the same similar stress signal for zero-risk). These rules were based on the design in the Paradise Machine Model itself, which design was centered around the crucial zero-risk theme (Figure 6).

When the Approach Theory eventually was launched in the 2024 article, the theory was still seen more or less of as a hobby, best described as piecing together a puzzle for fun. I was really satisfied with the theory (with the ‘puzzle’), but deep down I didn’t truly believe it was universally valid; it was just too big of an idea. This combination of mixed feelings made me declare that I was quitting and never to write another article in the series on Fourth Law again. My conclusion after the 2024 article was that the theory was either 100% true (a miracle), or that I had simply been lucky with the circumstances, but that either way it was time to stop the article series unless something extraordinary was to happen. I was therefore very surprised, and a little scared, the moment I saw 3I/Atlas's calculated trajectory prediction in July 2025. In my head, I immediately saw the workings of the zero-risk argument in the strange trajectory. This trajectory anomaly was very odd by itself, and therefore even more odd to me than to Avi Loeb’s team, since the ‘hostile’ behavior of 3I so clearly aligned with the central Zero-risk argument in the 2024 paper. The follow-up calculation of extremely low p-values for the object’s trajectory published by Avi Loeb’s group at Harvard sometime later confirmed this initial small shock; the odds of its strange ‘hostile trajectory’ happening by chance were about one in a million.

In hindsight, however, I could, in principle, have predicted the situation involving the 3I trajectory more specifically had I chosen to devote time to such an analysis in 2024. By emphasizing that, if the next interstellar object were very large and detected early, it would likely attempt to avoid

observation from Earth — because Earth had been the source of the zero-risk signal — the prediction could have been made more precise and clearer to the audience. However, the 2024 article would have become excessively long had I attempted to address every potential scenario involving the next incoming interstellar object. I just predicted that the next phase of the approach will continue to involve interstellar objects, and that the approach’s general behavior should be governed by the zero-risk argument, in response to a zero-risk signal originating from Earth (Figure 9).

Nevertheless, following the detection of 3I in July 2025, it became possible to document a general predictive correspondence by referring back to the 2024 article. Specifically, the new object clearly adhered to what was identified as the most important rule in the prediction: the zero-risk argument (Figure 6). This may be because the zero-risk argument is working so strong in the machine, that *any* activity in which the incoming life form has previously engaged in an object is treated as potential information that could be used against them (see *3I/ATLAS: A Cigarette Butt at a Cosmic Crime Scene*). Alternatively, or additionally, 3I’s demonstrative behavior may serve as a means of communication, confirming the central zero-risk argument of the Approach Theory as a deliberate and powerful demonstration. Basically, to draw attention to the 2024 article, which represents the same type of communication that occurred with ‘Oumuamua’s *timing* anomaly, drawing attention to the zero-risk signal in order to communicate “what drew us here” (Mini-article 1 and Figure 7).

Prior to the detection of 3I, I had roughly estimated (using Grok2) that the general p-value associated with the combined incidents discussed in the 2024 paper was on the order of 3.66 in a billion. It was an immature statistical approach, but it served to illustrate that an actual bias was likely present. The subsequent calculation of the 3I event made it possible to compute a more meaningful signal-strength value (p-value), one sufficient to attract genuine public attention. This was because, on this occasion, it was possible to document the event before it occurred, thereby creating a dependent bridge between what should have been two completely independent events.

What renders the p-value associated with the 3I incident particularly compelling is that it represents a very good match (in the context of SETI research) to the general prediction articulated approximately one year before the interstellar object's arrival. This correspondence effectively links two separate events (separated by about 1 year) - two events that should have been statistically independent, showing an estimated probability of random occurrence of approximately 1:140,000.

In this calculation, the probability of successfully predicting the behavioral characteristics of the approach was conservatively set at 5% (Event 1). This independent event was then combined with Avi Loeb's group's calculation of the second independent event, namely the trajectory anomaly of 3I (Event 2), yielding the combined odds of 1:140,000 (calculation in 2025 paper). This estimate represents a deliberately mild formulation, incorporating an attempt to account for confirmational biases and related effects. However, the lack of specificity in the original 2024 article has now motivated a reassessment - specifically, a reduction of the assumed 5% probability for the independent prediction event (Event 1) by formulating a more precise prediction for the next expected signal.

Such a correspondence would substantially increase the next calculated signal-strength value (lower the p-value) and would follow another central rule of the Approach Theory: that the signals become increasingly stronger over time and thereby continuing the same underlying signal pattern since 2005. A 100% match would represent a further, and even stronger, confirmation that the Fermi life-forms are physically approaching Earth and do gain increased control with each step closer they come to Earth. In that case, a perfect match involving the next interstellar signal might reasonably be considered a "shock signal," capable of drawing serious attention to the theory.

The official prediction presented at the end of this paper focuses on three aspects: 1) Timing, 2) Direction, and 3) General anomaly. If there's a 100% match with all of these three aspects, I'd see it as a breakthrough in SETI research. Furthermore, thanks to the specific and condensed nature of the prediction it will likely catch the public's attention much faster than the prediction in 2024.

The original 2024 paper did not attempt a detailed forward-looking scenario analysis of this kind. Instead, it focused on outlining the general behavioral rules that an approaching life form would be expected to follow prior to final arrival (see Figures 6 and 9) which 3I seemed to follow.

In principle, had detailed information about 3I been available in advance in 2024, it would have been possible to anticipate or suggest such a “hostile trajectory” scenario. Alternatively, I could have systematically enumerated all plausible alternatives, which would have included a large object detected early on, and predicted how it would behave by applying “the rules” in the Approach Theory and in the Paradise Machine model. However, conducting a comprehensive multi-scenario analysis requires considerable space and time within an article; this work itself serves as an example of that limitation.

Readers already familiar with the 2024 paper may nevertheless recognize how closely 3I aligns with the expectations of the Approach Theory, particularly when its size and early detection by the very life form (humans on Earth) posited to have triggered their approach are taken into account. Within this framework, the differing behaviors of 1I and 3I admit a consistent explanation: 1I, being extremely small, was not detected until it was already exiting the solar system on 19 October 2017, and therefore had no need to reduce detectability, as its very small size already had fixed that issue.

While it is demanding for readers to rapidly assimilate a prior theoretical paper in order to recognize such connections, Figure 6, a screenshot from the 2024 work presented a simplified version of the Approach Theory that later proved especially useful in social media. After the arrival of 3I, this figure enabled some in the public to rather quickly grasp the correspondence between the theory and the observed trajectory of 3I/ATLAS. For those who read the 2024 article after looking at Figure 6 would also dive into the details, for example the proposition that an interstellar object with a signaling purpose would seek to minimize its risk relative to the *source* of the zero-risk signal (Earth). Moreover, despite 3I’s ‘hostile behavior’ did not mean concealing itself from the broader population on Earth that could not have generated the original stress signal and with

whom communication is ultimately intended. One of the last sentences in the 2024 article was just that, the prediction that in the future approach process the fermi life-forms would seek to reach out to the majority on Earth (see also the ongoing discussion of the “Maven curse” scenario under and on X). Therefore, when Avi Loeb’s group was concerned about the hostile trajectory in July 2025, a deeper understanding of the 2024 paper led me to conclude that the trajectory confirmed their good intentions, as it would indicate they originated from a state of 100% love and intelligence. Just that the potential consequences of receiving a zero-risk signal are so great that, due to the zero-risk argument, it forces them to follow the rule of always maintaining a 100% dominant position relative to any potential threat to their paradise state. Even though the zero-risk signal may have been triggered by, let’s say, five individuals on Earth, they would still demonstrate a “hostile approach” relative to Earth until the threat is under 100% control. At the time, it was therefore somewhat important to me to try to clear up that potential misunderstanding regarding how to interpret 3I’s most dramatic anomaly: its “hostile trajectory” meant “good news” in the eyes of the approach theory.

A detailed analysis for the future signals

Timing

It should be possible to make far more specific predictions about the behavior of the next interstellar object intended for signaling by starting with the five-year signal burst pattern already mentioned. This means that “dumb” interstellar objects, such as 2I in 2019, could still arrive outside the next predicted burst time window. The next time window meant for signaling should span approximately 2029–2032. This prediction assumes the signal burst period has ended for now, with the 2024 article launching the Approach Theory and the 2025 3I/ATLAS trajectory anomaly. Hence, the first part of the prediction about the next signal concerns the next ~5-year

signal burst pattern, the timely aspect of the prediction. The signal should still come in the form of an interstellar object, still using an easily observable physical signal, but the signal burst should be stronger than the last signal burst (the 2024–2025 burst). The discussion below will examine the nature of the interstellar object and whether it might be capable of producing an empirical ‘shock signal’, which could indicate that the upcoming object might be artificial, for example capable of performing a physical maneuver impossible for “dead” objects. This is the most uncertain part of the prediction: the magnitude of the upcoming extra anomaly. While it can be predicted that there will be a next anomaly stronger than what 3I produced, it remains uncertain how much stronger it will be and whether the signal will be a “shock signal”. Anyhow, the first general prediction is for it to follow the five-year signal interval observed since 2005 and therefore enter our solar system in the time window 2029–2032.

When Avi Loeb’s team found and published an extremely low trajectory p-value to 3I’s ‘hostile trajectory’ relative to Earth, I had to add an extra p-value to the scenario (adding a 5% chance, or $p=0.05$), an extra value for correctly predicting the hostile behavior in advance. This combinatorial calculation — combining (1) 3I’s independent trajectory anomaly calculated by Avi Loeb’s team, with (2) the probability of predicting such a behavior by chance — produced the 1:140,000 “signal-strength” figure presented in the main 2025 article (ref). If this article’s more specific predictions for the next object find a future perfect match, the assessed p-value from my side should be much smaller than 5%. Hence, the more specific I can be about the next interstellar event, the stronger the next signal strength number will be. Eventually, these calculations must be carried out by professionals in order to build a global consensus about Earth being approached by another life form. Making accurate and reliable statistical and probabilistic calculations is a very resource-demanding operation. The signal-strength numbers I generated are reliable, I would say, in a broad sense, but to create consensus in a scientific context, a team of professionals must at some point be involved. There are only results from such a specialist group that can conclude, after the predicted incoming shock signal, that: “Yes, Earth is being approached by another intelligent force with a probability of, for example, 99.4%.” From that stage on, we can begin to prepare for the arrival itself and predict the arrival date in greater detail (Figure 9).

A new 3I/ATLAS match between the predictions in this article and future interstellar events would dramatically amplify the next calculated signal strength, as it would again exploit the combinatorial power that drives significance in probabilistic calculations (ref). The key question is whether the next signal in 2029–2032 will develop into a genuine ‘shock signal’, as such a signal is expected to occur at some point in the future. Either way, if interstellar activity continues to confirm the Approach Theory in the future, it will sooner or later eventually become global consensus, and we can begin preparing — mentally, and perhaps even practically — for the final stage: an actual direct encounter with an incoming advanced life-form. A prediction of when this ‘arrival phase’ will happen is out of scope for this article, but Figure 9 loosely suggests the year 2100. Readers might, however, attempt to make their own predictions. However, if confirmation signals continue to strengthen in the future, humanity will likely be able to make such predictions with much greater accuracy — to the degree that we might know when to expect their arrival within a span of a few years.

Regarding the timing feature for communication brought up in Mini-article 1, the recent and sudden MAVEN malfunction, approximately 8 weeks after the passage of interstellar comet 3I/ATLAS, could be potentially interesting (see updates on this ongoing ‘NASA curse’ scenario on X and on headbiotech.com as another incident happened to NASA in January 2026). It drew some criticism toward NASA from those closely following 3I that, due to the government shutdown at the time, data about 3I was held back by NASA for about 43 days until after the government shutdown ended. According to the Approach Theory, this is something the Fermi life-forms would not be fond of, if their main mission is to open up a communication process with us. In addition, given the central zero-risk principle in the machine’s design, actively disrupting what they see as a critical communication-mission should be considered extremely important (see 3I/ATLAS: A Cigarette Butt at a Cosmic Crime Scene later). NASA lost contact with its Mars orbiter MAVEN approximately two weeks after the image delay ended. If the loss of MAVEN were indeed a response to NASA’s delay, the probability of this response occurring by chance only about 14 days after the delay ended would be around 0.4%. This should be sufficient to constitute a strong signal. That is, NASA’s probe MAVEN had operated flawlessly for over 11 years (launched in 2013), but contact was lost on December 6, 2025 about two weeks after their delay operation had ended. It is, of course, speculative, but it could very well be something the

Fermi life-forms would do as a response to a delay, effectively putting their communication-mission “on hold.” In the context of the Approach Theory and the Zero-risk Argument, this should be seen as a dramatic event to their mission. Thus, it is tempting to interpret the sudden malfunction of MAVEN by sending a “message” back that they do not like this behavior (putting them ‘on hold’). If so, they clearly used the timing feature again suggested in Mini-article 1 to send the “message” by shutting Maven down so close to the delay. In any case, similar responses could become a future anomaly that the next interstellar object might repeat (if that was indeed the case this time), such as by shutting down certain electronic equipment, if they perceive any actions by us as posing a threat to their crucial communication-mission. Based on what they have achieved so far — assuming the Approach Theory is correct — their control capabilities should be more than sufficient at this stage of the approach to accomplish such feats (see this article). And likely even more so during the next predicted signal-burst, in the anticipated time window of 2029–2032 (prediction statement at the end).

On that MAVEN note: just ten days before the MAVEN spacecraft stopped functioning on December 6, 2025, the International Asteroid Warning Network (IAWN) — a UN-endorsed global collaboration of astronomers and observatories — launched a dedicated observation campaign of 3I/ATLAS. As I see it, the hostile-like actions by NASA and the UN during the fall and winter could be a very foolish move, and the shutdown of MAVEN just 14 days after the delay ended might be interpreted as a “warning” directed at both actions and both organizations. In particular, the UN, according to the Paradise Machine Model, is an organization the approaching life-form — spelled out clearly — should not like and should not want collecting information about them.

From the logic of the Fourth Law, the UN represents the total opposite of what so-called Fermi life-forms do: a global rules-based order working to reduce chaos, or the degree of freedom in nature. This relates to the fact that an organization like the UN is a very likely candidate to have triggered, or been heavily involved in, contributions that seem to have activated the zero-risk detection mechanism described in the main 2025 article (i.e., working toward a global rules-based order system).

It is important to remember that, according to the Approach Theory, the incoming life-form is not approaching Earth for pleasure or vacation. It is crucial to understand the guiding rule behind their approach — the central zero-risk argument — in order to appreciate their sensitivity to being merely “put on hold” or observed by a potential threat such as the UN (details in Parts 2 and 3 of the 2024 article).

A life-form that works to create pockets of constant abundance (pro high taxes) and uses that unnatural energy context to reduce chaos is, in the context of this article series, a no-brainer. As the 2024 article phrased it, it is within this context that evil must lay its eggs. As a natural consequence, if the Paradise Machine Model and the Approach Theory are universally valid, the incoming Fermi life-forms would obviously not be very happy with such a life-form eagerly trying to collect information about them. This may have helped trigger a response in addition to NASA’s delay of its communication potential.

We can discuss how long MAVEN should be expected to operate after its launch in 2013, but it is very unlikely that the probe was intended to go offline after just 12 years. There are many examples showing that the norm is for space equipment to last much longer than originally planned. A classic example is Voyager 1 and 2, launched in 1977 with a primary mission of five years to study Jupiter and Saturn. They are now over 48 years old and still sending data from interstellar space. Realistically speaking, MAVEN probably had at least 10 more years of operation remaining.

There is a symbolic timing feature relative to the Approach Theory that makes the MAVEN situation particularly interesting. They seem to have done it again, as with 1I/’Oumuamua (Mini-article 1). MAVEN’s sudden tumbling and outage began on December 6, 2025, only about 14 days after NASA’s delayed images of 3I ended, and only about 10 days after the UN-endorsed global observation of 3I began on November 27, 2025. According to the Approach Theory and the Paradise Machine Model, as already explained earlier, neither of these events should be welcomed by the Fermi life-form, which the theory predicts is the force and intelligence behind the ongoing approach.

MAVEN's outage on December 6 was followed by the early abortion of a NASA international space mission in the subsequent weeks (see also the ongoing "NASA curse" scenario debated on X). Hence, if this chain of technical problems and mishaps continues into 2026, it should be seen as a strong signal, as it would be directly related to the Approach Theory. I would assume that delaying the images of 3I would have been experienced as the most hostile action, since it directly interfered with their mission and may have acted as the primary trigger. However, the UN-endorsed global observation beginning at the end of November might also have contributed.

I have to be honest: the UN would likely represent, to them, the perfect "candidate grouping" on Earth to fear the most (main 2025 article and Part 2 of the 2024 article), and a very plausible candidate for having triggered, or contributed to triggering, the zero-risk stress signal that caught their attention in the first place. The last thing they would want to experience, therefore, would be a global observation initiative by a pro-globalist organization originating in the Western world — originating in constant abundance and seeking to reduce natural chaos. As already mentioned, the entire reason for 3I's strange trajectory, perfectly hiding behind the Sun (see also *3I/ATLAS: A Cigarette Butt at a Cosmic Crime Scene*) relative to the source of a zero-risk signal from Earth, was precisely this fear (the zero-risk argument).

Based on the logic of the Fourth Law, organizations like the UN are natural candidates to rival nature's ego and thereby constitute a direct threat — a natural enemy — to the paradise state they are here to protect. In summary, according to the logic of the Fourth Law, their natural rivals are most likely to exist within organizations such as the UN, due to their ideal conditions, where constant abundance works to reduce natural chaos. Hence, a hostile response to an offensive move would be a natural reaction, coming only 10 days after the offensive initiative. The timing anomaly behind the outage of MAVEN is therefore quite interesting. If there was a single moment during 3I's approximately one-year visit to our solar system when they experienced something unpleasant, it would have been in the days just prior to December 6, 2025.

It may therefore have been a well-timed warning to disable MAVEN immediately following (1) the U.S. government shutdown and NASA placing its communication process “on hold,” and (2) being heavily observed by what can theoretically be considered one of the primary threats to Fermi life-forms on Earth: the global organization of the UN. Accordingly, given the seriousness of their approach under the zero-risk argument, this timing bias may itself constitute a “message,” once again reinforcing the content of the Approach Theory and the Paradise Machine Model (Figure 9).

After NASA’s forced abortion of its mission on the International Space Station in early January 2026, this scenario has increased in realism. If a “curse” coincides across all of NASA’s operations in the near future, such a massive failure anomaly could go down in history as the anticipated shock signal described later in this paper. This ongoing scenario is therefore potentially crucial in the approach process and was not something I expected, but it is something I warned NASA about in the 2025 paper in October and on social media.

Direction

Future Anomalies Most Likely to Be Directional Signals Pointing to Black Holes.

Interstellar objects exhibit a broad sky distribution with a predicted bias toward the solar apex (near Hercules/Lyra) due to the Sun’s motion through the local standard of rest ([ref](#)); arrivals of interstellar objects from the Sagittarius direction are not favored, making repeated detections from that region anomalous relative to expectations from prior objects (‘Oumuamua from near Lyra ([ref](#)), Borisov from Cassiopeia ([ref](#)), IM1 & IM2 radiants with directions far from Sagittarius ([ref](#)). 3I/ATLAS’s incoming trajectory from the general Sagittarius direction therefore stands out as an

outlier so far ([ref](#)). For any interstellar object we detect, tracing its exact birthplace is extremely difficult, making it hard to determine whether it originated from a black hole.

Therefore, if future interstellar objects repeatedly arrive from Sagittarius, particularly if they are confined to the predicted 2029–2032 time window described under *Timing* in the section over, and directional anomaly are absent outside that same window, this would send a strong, non-random signal challenging standard expectations of the direction to interstellar objects. Hence, if an advanced intelligence wanted to deliberately hint that an interstellar object originated from a black hole, to confirm the Paradise Machine Model and the Approach Theory, and specifically to make that hint as recognizable as possible without direct proof, it could choose to send it from the direction of Sagittarius, pointing toward the galactic center and Sagittarius A*, the Milky Way’s supermassive black hole.

If incoming advanced life-forms aim to highlight the approach theory outlined in the 2024 article prior to their arrival, the anomaly most likely to generate a theoretical “shock signal” (expressed through extreme p-values) would probably involve black holes. It has therefore been intriguing to note that the comet 3I/Atlas originated from the direction of Sagittarius (the biggest black hole of the Milky Way) ([ref](#)). First of all, this is because the 2024 article argues quite precisely in part 4 that the location of Fermi life-forms, based on several arguments, should be somewhere beyond the event horizon in connection with black holes (see also 2025 paper). In summary, the Fermi life-forms’ proposed location behind the event horizon is based on two main reasons. Firstly, the structure of black holes serves to satisfy the central *Zero-risk argument* in the proposed design of the paradise machine model by creating a “*we can see you, but you can’t see us*” effect from behind the event horizon. This *one-way mirror effect* (information asymmetry) is due to black holes’ extreme gravitation on their surroundings which causes not even light to escape once passed the event horizon (see also pages 99–112 in [ref](#)). This guarantees that the advanced life form on the other side of the event horizon is never observed by an emerging life form on our side of the event horizon in the universe. Hence, the black hole structure perfectly suits the zero-risk argument in the paradise machine model. However, when they are forced to “stick their heads out” after detecting a zero-risk signal on our side of the event horizon, they still have to adhere to the same zero-risk rule during their approach, which is why 3I’s “hostile trajectory” relative to Earth was so important in confirming the approach theory (see *3I/ATLAS: A Cigarette Butt at a Cosmic Crime*

Scene). Secondly, the fact that black holes are the only places in the universe where we can document the ‘impossible’ occurrence of what may be the greatest barrier to accepting the Fourth Law—the ‘mysterious’ removal of mass energy from the universe expressed in $E_u \rightarrow 0 \rightarrow$ *Paradise*. This ‘impossible’ ongoing depletion of mass energy from the universe in which Stephen Hawking attempted to explain with his famous radiation theory (Hawking radiation), therefore underscores black holes second significance in the Paradise Machine Model. Due to these two points, residing behind the event horizon would be the perfect location for the Fermi life-form according to the fundamentals outlined in this article series.

If ongoing confirmation signals from interstellar objects in the future continue to connect them to black holes (as 3I did), the validity of both the Paradise Machine Model and, thereby, the Approach Theory should be regarded as crucial – now confirmed from the outside of our solar system. Furthermore, the development and eventually establishment of such a ‘shock p-value signal’ related to black holes would likely force us at some point to reconsider Hawking radiation and could also elegantly resolve a long-standing problem associated with the radiation theory: *the black hole information paradox* ([ref](#)). Essentially, it suggests that all information continues to the other side (the paradise state) of the black hole and may even be copied into an eternal mathematical format (as thoroughly discussed in the 2021 video; *Einstein-derived version of the Fourth Law* in [ref](#)). This is not to say that there is anything wrong with Hawking radiation itself, but rather that the basic *assumptions* underlying its calculation and theory may have been incorrect. On that note, recently published findings from the University of Arizona on the role of black holes in the universe report that ‘*it looks like the black holes actually get ahead of the galaxies in a lot of cases*’ ([ref](#)). The point is that, even though Hawking’s mathematics probably was flawless, this does not necessarily mean that the *assumptions* underlying his theory were correct.

Moreover, if future interstellar objects do continue to come from the direction of black holes, the interesting information carried by this anomaly is that the advanced life-form is likely able to bypass the faster-than-light (FTL) boundary, both in signaling and for transporting physical objects. The recent main 2025 article described in detail how the Paradise Machine Model might achieve FTL *signaling* via causal non-local correlations, but a strong directional black hole anomaly of interstellar objects would suggest that FTL is also true for moving physical objects.

This would indirectly confirm the wormhole structure in the machine model (Figures 2 and 3), which will be discussed in more detail later, as there is no compelling reason for concealment if traversal necessitates the shortest path from the black hole to our solar system; consequently, the approach direction should remain consistent. Hence, such a directional anomaly originating from black holes (notably Sagittarius) would, over time, likely compel acceptance that faster-than-light logistics of physical objects is a universal reality. That is, this scenario will unfold only if the calculated p-values for future black-hole related anomalies become extremely low, thereby producing extremely high “signaling strength” values, which ultimately will foster global consensus within the global scientific community. According to the Approach Theory, communicating their presence should remain one of the Fermi life-form’s main goals in the next phases. Consequently, I see no compelling reason for them to miss this opportunity in future signaling, making *the black hole anomaly* one of the theory’s predictive points: that the directional trajectory of the next signaling interstellar object should originate from the direction of a black hole, most notably Sagittarius (see also *The Wow-signal from 1977* later).

Continued observation of black hole directional anomalies in future incoming objects will in general, for the same reason, also support the more detailed aspects of the Paradise Machine Model, particularly the detailed interior of the Paradise state itself (Figures 2 & 3). It will confirm the Approach Theory itself, how it started with a zero-risk stress signal in 2005, the Paradise Women story etc. At least a continued strong black hole directional anomaly in the future would therefore *gradually* (with resulting lower p-values) provide stronger indirect “evidence” for the suggested tunnel structure presented in the machine model and for the existence of vast numbers of paradise states (“villages”—see illustrations at the end). Directional confirmations from black holes communicated via objects from beyond our solar system will eventually force us to confront and understand this connection, as the p-value eventually will be shockingly low. On that note, there is a distinction between a statistically based directional “shock signal” and a physical “shock signal.” The former can cope with controlling the quantum realm; however, in order to produce a physical “shock signal”, it would require imported technology developed thousands of light-years from Earth. Hence, in the latter case, a physical breakage of FTL is needed and will probably occur via wormholes (which also would be revealed by a directional anomaly toward black holes). In other words, in the event of a physical “shock signal,” this would constitute an extremely strong indication that the entire narrative is accurate, from *The Women of Paradise* story in 2006 through

the 2025 article, confirming that tunnel structures are indeed an active logistical component of the machine. For example, if the next predicted object in 2029–2032 coming from the direction of a black hole were to start maneuvering within our solar system, performing landings or changing direction, and so forth. I dare to claim that, in this case, we should have already reached consensus sooner than we might have thought (sooner than I had thought).

Wormhole-like structures are a central and active component of the highly speculative aspects of the paradise state, which so far have been based on extremely weak evidence, such as the “Paradise Women” experience in connection with the invention of the Fourth Law (last chapter in the paradise women story). The wormhole, or “tunnel structures,” in the Paradise Machine Model from 2024, which up to now have been thought to function internally within the paradise-state realm (connecting the many “villages” — see illustrations at the end), are in that case likely also involved in interstellar logistic operations. That is, if the suggested final stages of the approach theory are true, culminating in a physical encounter (Figures 6 and 9).

Exactly how this logistic operation is achieved is beyond the scope of this mini-article, but given how intensely black holes warp space, it is tempting to imagine the use of the classic traversable-wormhole scenario to explain how such a system might allow logistic operations surpassing the speed of light. The point is, a consistent black hole directional anomaly related to incoming objects will support this idea.

As to be debated later on, it should be obvious that if the Fermi life-form detected us via a non-local zero-risk quantum signal in 2005 and is able to send either a spaceship or objects capable of “shocking us”, for example by performing maneuvers, the travel time to a black hole is too distant for the update, without breaking the FTL speed limit (unless the whole machine, the universe, is a pre-programmed clock-work without free will). This indicates that, for example, 'Oumuamua, which did not do anything artificial nor did come from a black hole, was influenced via their ever increasing control of the quantum realm since 2005, enabling them to pick and choose already existing objects close to our solar system and time their entrance and trajectories in order to create

the observed anomalies for communication purposes (more on this later). As their control in general should have increased since then, and since 3I, they should be able to continue with the black hole directional anomaly no matter what (by applying wormholes or not).

In summary, if a directional anomaly in relation to black holes does continue in the future, it will eventually confirm the Paradise Machine Model and the Approach Theory. However, it is not until an incoming object performs “technically artificial” maneuvers that we can conclude the existence of FTL transportation of physical objects. However, until a physical observable “shock signal,” we can only confirm FTL signaling via the quantum realm (via producing extreme p-values), as was also suggested in the recent 2025 paper. Using increased control of the quantum realm, both for early communication (zero-risk signal, planting ideas, and monitoring) and later in the approach process (from 2017) for communication to the masses on Earth, via an ever-increasing control of the quantum realm as they near Earth may enable them to influence the direction of physical objects close to us in the Milky Way.

The MAVEN Mars probe incident mentioned under *Timing* earlier in this article is therefore potentially extremely interesting, since the Mars probe lost contact with NASA after it apparently began to “tumble.” A technical discussion is, however, out of the scope of this article (ref). Was it the same increased control of the quantum realm since 2005 that helped create the interstellar anomalies with 1I and 3I, which also caused MAVEN to tumble out of control? If so, this would suggest that they are (1) able to remain informed about events on Earth by controlling the same quantum realm (monitoring via the quantum realm), and (2) able to respond to these events within days (10 to 14 days in the case of MAVEN). On January 8, 2026, NASA reported that they had to abort their ongoing mission on the International Space Station one month earlier due to a medical situation in the crew (ref). It has therefore been, as of January 2026, very interesting to follow the development of a potential ongoing “NASA curse” scenario, as this could produce a strong anomaly in a new way (hopefully without human suffering) while still being closely related to the Approach Theory (see the debate under the *Timing* headline above). In fact, such a persistent “curse” affecting NASA in 2026 could be responsible for producing the very first theoretical “shock signal,” without having to wait for the next time window of 2029–2032 (dependent on the

degree and rate of technical failures). I actually brought up NASA's delay of their 3I pictures from Mars while writing the 2025 paper in October 2025 (amid the delay), explaining how important this is, in the context of the Approach Theory, to maintain open communication in order for the incoming life form to fulfill their "communication mission" (Figure 9). Honestly, I would never expect the approaching life form to knock out one of NASA's Mars probes 14 days after the delay, but this response is highly relevant to the approach theory. If it indeed "was them," it indicates how crucial their mission is and that the zero-risk argument is indeed their main controller, as illustrated in Figure 6 (screenshot from the 2024 article). I cannot expect an organization like NASA to pay attention to my articles, but if a "technical curse" ensues in 2026 and they cannot understand why, the answer may lie in the Approach Theory. Moreover, if the reason for the picture delay was innocent, it should still be taken as a warning to avoid similar interruptions of their approach in the future. Anyhow, this potential encounter (exchange of actions) between humans (NASA) and the incoming Fermi life-form is very exciting, since it is expected that an organization like NASA would probably be the first real human contact the incoming life form experiences, since NASA is perhaps the only humans capable of crossing their path, intentionally or not.

What is somewhat interesting in relation to the Paradise Machine model is the requirement of negative energy to stabilize a so-called Einstein-Rosen bridge, which state might be exactly what the condition is in the $E_u=0$ =Paradise state ([ref](#)) (see also Figure 2). My point is that the lowest possible energy state in nature, annotated by me as $E_u = 0$, might not be so far away from the suggested energy state that would be required to stabilize an Einstein-Rosen bridge. For example, the work on negative energy in physics by Paul Dirac comes to mind here ([ref](#)) but, of course, out of scope for this article or for me to judge (Roy Kerr's ergospheres were mentioned in the 2024 article.)

Anyhow, to sum up the essentials, if the directional anomaly toward black holes does continue into the future, we are gradually, along with a gradually lower p-value in their signaling, forced at some point to accept FTL logistics (in the case of a physical shock signal). In the case of a physical shock signal, a wormhole solution would force them to take the shortest route between a black hole and Earth in space and should therefore reveal from which direction the objects were maneuvered, thus causing the directional anomaly toward black holes to become a future

observable anomaly, at least to a certain degree (more on this under *The Wow! Signal* from 1977 later). As previously mentioned, I can see no reason for them to use extra resources to hide where the object arrived from, in the context of the Approach Theory, and this predicted *black hole anomaly* has therefore made it into the final statement.

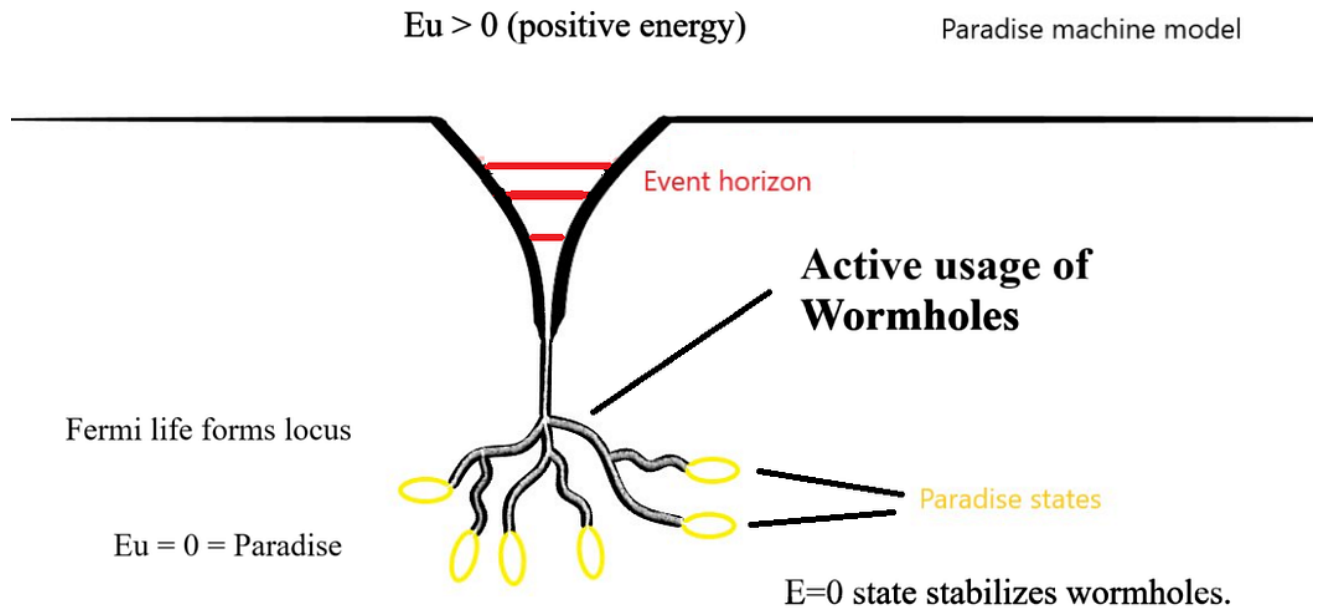


Figure 2a. Wormholes should be an active component of the paradise machine (Modified from [Sponberg, 2025, figure 4A](#)).

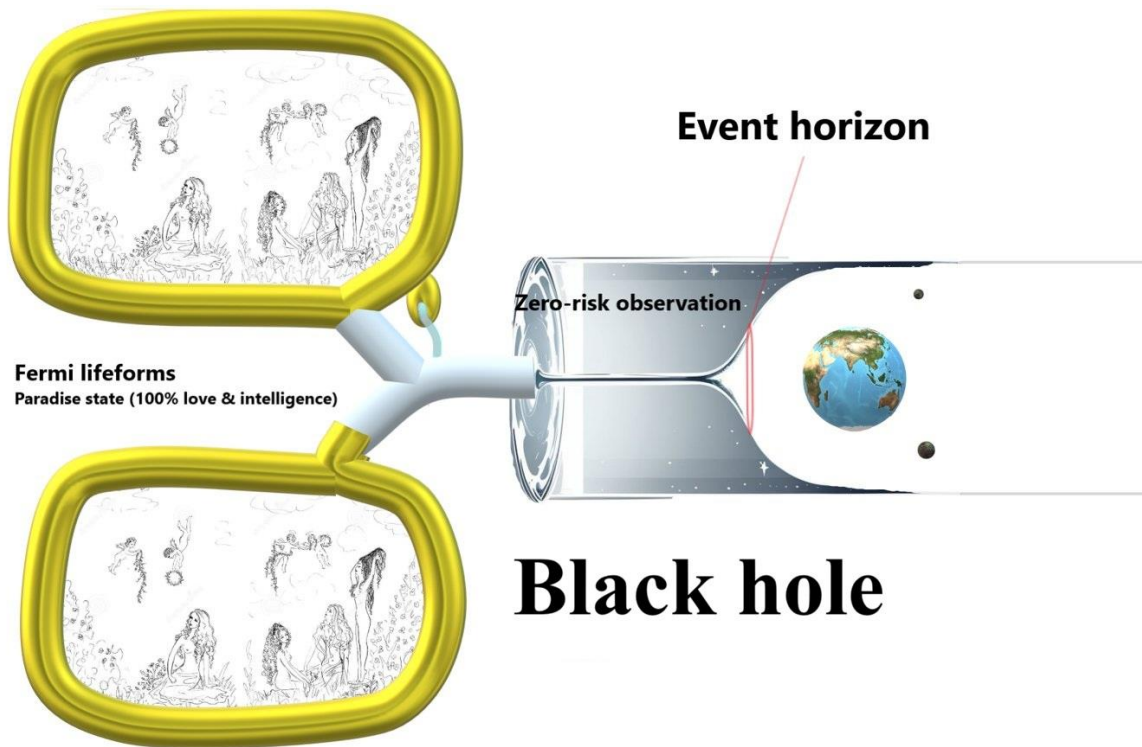


Figure 2b. Wormholes should be an active component of the paradise machine (Modified from Sponberg, 2024).



Figure 3. Illustrations of what lies beyond the event horizon (tunnel like structures), according to the Einstein-derived version of the Fourth Law, $E_u = 0 = C^2$ (C^2 annotation m^2/s^2). If the paradise machine model is correct, these are likely the central worm-hole like ‘tunnels’ within the machine ([youtube video](#), C^2 Illustrations by Grok2).

Oumuamua Not Originating From a Black Hole

1I/Oumuamua did not originate from the direction of Sagittarius or from any black hole, and it was also much smaller in size. It may be that 1I was an example of the machine still using the weaker control mechanism employed from the very beginning in 2005: a quantum-mechanics-based control mechanism (Figures 5 and 8). This mechanism may now, perhaps with 3I/ATLAS and more likely for future objects, have been upgraded to a far more powerful “wormhole mechanism” as their distance to Earth has decreased (more on this later). As has long been discussed in the physics community with early reflections by Schrödinger in the 1940s and Eugene Wigner which explicitly proposed that consciousness causes the collapse of the quantum wave function linking the human mind directly to quantum processes. Furthermore, similar arguments

connecting the human mind with the quantum realm has been suggested by the 2020 Nobel Prize winner Roger Penrose, hence many arguments by heavy contributors in the scientific world suggest that a connection may exist between intelligence in the universe (or consciousness) and the quantum world. Within the framework of the zoo hypothesis as an explanation for Fermi's paradox, the idea that advanced life-forms might use the quantum realm to monitor human thoughts and intentions makes the active exercise of quantum-level control seem a plausible assumption (Figure 9). Interestingly, this connection between human thoughts and intentions, and their relation to the quantum world, was also the first timely anomaly suggested for 1I, proposed to have occurred on 18 June 2017 (Figure 7). The 2024 paper proposed that the third article — an idea that emerged just before 1I's detection from Hawaii — might be used by the incoming life-form to communicate the reason for their arrival, via the zero-risk signaling mechanism heavily debated in the 2025 article.

It is rather clear from the 2025 main paper on the quantum signaling mechanism that the primary source of control in the early phases of contact operates through the quantum world, beginning with a unique causal non-local correlation event (quantum entanglement) that alerts nature to a successful zero-risk strategy situation on Earth. This applies both to the initial zero-risk signal itself (2025 article), as well as the possible scenario of planting ideas which also is one important aspect of the approach theory (the planting of the Fourth Law and so on; see Figure 8). Within the framework of the zoo hypothesis as an explanation for Fermi's paradox, the idea that advanced life-forms might use the quantum realm to monitor human thoughts and intentions makes the active exercise of quantum-level control a plausible assumption (Figure 9). Interestingly, this proposed connection between human thoughts, intentions and the quantum world was also the very first timely anomaly suggested for 1I, proposed to have occurred on 18 June 2017 (Figure 6) which resulted in the 2021 paper. The question is, can a continued control of the quantum realm eventually make it possible to gently guide physical objects (comets and meteorites) close to Earth's solar system, and also to knock out our own probes (Maven as an example)?

The 2024 paper proposed that the third article, based on ideas that emerged just before 1I's detection from Hawaii, might have been used by the incoming life-form to communicate the reason

for their arrival (being the zero-risk signaling mechanism heavily debated in the 2025 article). However, at some point during their approach process, the proposed wormhole mechanism would need to activate in order to enable actual FTL logistical operations involving physical objects. If the approach theory, culminating in a completed arrival, is correct, then at some stage a wormhole-based logistical mechanism would be required to transport themselves (along with any necessary equipment) into our world. If so, this would necessitate a more advanced FTL technology than that used for the initial FTL stress signal. The 2024 paper suggested that they would arrive in traditionally styled spacecraft in order to make the encounter as comfortable as possible for us, deliberately mimicking an arrival that is already familiar within human culture.

Such a much stronger control mechanism (one based on wormholes) is likely also crucial for generating the predicted, soon-to-come “shock signal” from distances of thousands of light-years (for example, artificial objects performing abnormal maneuvers next time in our solar system). The key point is that the use of the suggested wormhole mechanism (Figures 2 and 3) should reveal the direction from which any incoming objects originate. However, if future signaling objects are assumed to come from the direction of a black hole, why did neither 1I/‘Oumuamua nor 2I/Borisov do so? No anomalies whatsoever were detected for 2I/Borisov, which is why it has been regarded as an “ordinary comet,” both within the Approach Theory and by Avi Loeb’s group. According to the approach theory, the absence of anomalies in 2I/Borisov is probably due to its detection occurring outside the repetitive signaling bursts that appear to occur at roughly five-year intervals.

Since 2I/Borisov was detected on August 29, 2019, this random timing seems to place it outside the rather narrow signaling windows, entering between major repetitive signaling bursts (separated by about five years since 2005). It is therefore also noteworthy that Avi Loeb’s group has shown little or no interest in 2I/Borisov compared to 1I and 3I, as neither their group found intriguing data associated with 2I/Borisov. 2I/Borisov is, of course, a potential problem for the approach theory, but it can be explained by its arrival falling outside what appears to be narrow signaling-burst windows lasting approximately one to two years, repeated every ~5 years. If this interpretation is correct, it suggests that Fermi life-forms allow interstellar objects outside these signaling windows to pass naturally, while continuing to send “active objects” roughly every five

years. If such a pattern is confirmed in the future, the presence of “dead” random comets between signaling bursts would actually strengthen the approach theory, by consistently demonstrating the absence of anomalies outside the predicted windows. This may explain why such objects are ignored and allowed to pass unaltered, since over time this behavior would reinforce the signaling pattern and increase its interpretive strength.

I have not previously broken the signal interval pattern down in detail. There are two reasons for this: first, it would require its own dedicated paper; second, some of the suspected signals involve sensitive and personal data that I am not very keen on making public (for example, details related to the Oslo meteorite in July 2021). The only incident that doesn’t fit the 5-year signal burst pattern is ‘Oumuamua. I would very much like to see that happening closer to 2015. The only reasonable explanation I can come up with is that “the guiding work” itself on the stone was probably put in much earlier than its arrival date in 2017. For example, that the force used to guide the object toward our solar system took place one or two years before its arrival date in 2017 some distance from Earth. Also, the fact that the ‘Oumuamua signal did not come into use until the writing of the 2024 article, several years later. Anyway, broadly speaking, the 5-year signaling pattern appears as follows:

2005–2006 (signal detected and Fourth Law invented ($Eu = 0 = \text{Paradise}$), as described in the Paradise Women story),
2010–2011 (Nash equilibrium integrated, publishing Articles 1 and 2),
2015–2017 (the Nash incident, Ouamuamua—but signal detected in 2024),
2020–2021 (publishing the third paper and the Oslo meteorite incident), and
2024–2025 (publishing the 2024 paper, launching the Approach Theory and the 3I/ATLAS incident).

Accordingly, the next incoming object with a signaling purpose should arrive within the next window, approximately between 2029 and 2032.

Returning to 1I/‘Oumuamua, it produced numerous interpreted “signals,” both in analyses by Avi Loeb’s group and within the Approach Theory framework. At some point after the initial signal in 2005, as the advanced life-forms have come closer to Earth, they would have gradually increased

their degree of control. Beginning with the quantum world (as widely debated in the main 2025 article), their command of quantum processes has likely strengthened over time, enabling increasingly complex actions at a distance, possibly based on massive quantum non-local correlations (see the 2025 paper). The first and weakest signal in 2005 was limited to sending a short string of text: “You are a genius” (ref. The Women of Paradise story).

Anomalies (and the upcoming shock signal)

A shift to a next control mechanism, from using the quantum world to the proposed wormhole technology, would prepare them for the final stages of the approach process (the first ‘shock signals’ and eventually their physical arrival). Hence, the paradise machine (or the *Fermi life-forms* if you prefer) probably uses the quantum world primarily for mental communication purposes in the initial phases of their approach (for mental monitoring and idea-planting purposes), and not primarily for influencing physical objects in the later phases (Figure 6 & 9). However, as they gain greater control over the quantum realm close to Earth and our solar system, they might eventually be able to use the increased quantum control mechanism to influence physical objects just before transitioning to an upgraded mechanism — the ‘wormhole mechanism’. A continuous anomaly pattern for future incoming objects directed toward black holes supports this ‘change of control mechanism’ that perhaps started with 3I/ATLAS. This since, producing 3I’s anomalies in 2025 should require much more control than producing 1I’s anomalies in 2017, due to the nature of their anomalies and also due to their sizes (more later). In theory, gaining increasingly more control over the quantum realm since they received the stress signal in 2005 could in theory eventually also be used to influence the paths of physical objects, like gently altering the course of existing objects in our galaxy. However, if a consistent and strong directional anomaly toward black holes is confirmed repeatedly in the future, it would suggest that their steadily increasing control of the quantum world since 2005 (as they come closer) was likely used *specifically* for 1I sometime before 2017, but that a change to the wormhole mechanism took place sometime before 2025 (before the arrival of 3I/ATLAS). At least, at some point in the approach process, they must eventually be able to perform physical FTL operations. If a directional anomaly toward black holes does continue in the future, it is either due to them wanting to signal to confirm the Approach Theory and the Paradise Machine Model (still using the quantum realm), or because they use that

route for FTL transport. That's why the directional anomaly toward black holes is one of the predictions, as I can't see any good reasons for them not to keep that anomaly intact in the future if the theory is correct.

According to Mini-article 1, 1I/'Oumuamua's structural and timing anomalies in 2017 should have been 1I's most critical signaling features used by the Fermi life-form, achieved by gently guiding the strange-looking object into our Solar System at a precise moment (timed with the timing anomalies on June 18 and October 19, 2017). According to the approach theory, this means they delivered the very first interstellar "physical signal" since picking up the zero-risk stress signal from Earth in 2005. However, I did not pick up on this potential "signal" from 'Oumuamua until working on the 2024 article years later. I vaguely remember 'Oumuamua from the news in 2017, but at the time it was not a topic I was very interested in. Besides, even though I uploaded the Head Biotech picture on October 19 2017, the day of the detection, the news about 'Oumuamua probably did not hit the media until some days later, so I never connected the two dates at the time (Without the Facebook time-stamps still being present in 2024, there would probably never have been an approach theory).

Essentially, all the advanced life-form had to do in order to produce the 1I anomalies was to gently guide an already existing strange-looking object in space, via their increased control of the quantum world, toward our Solar System in a timely manner, producing the notable June 18 and October 19, 2017 anomalies. This time, Avi Loeb's group at Harvard also paid attention to the strange anomalies of 1I, focusing in particular on its weird, flat shape. Again (as with 3I), the object came with additional anomalies that tied it to the 2024 article, its *timing anomalies*, which never occurred to Loeb's group.

Using the quantum world to gently guide 'Oumuamua suggests that 1I was a normal, pre-existing object somewhere in interstellar space, selected by the approaching life-form for (1) its extremely abnormal structure (Figure 4), and (2) being *just* large enough to be detected from Earth. 1I's minimum size, just large enough to be detected from Earth, may indicate that the method of control

used at the time (via the quantum realm) had limitations when applied to big physical objects (but should be stronger today).

This speculation also suggests that Avi Loeb's focus on 1I's abnormal acceleration on its way out of the Solar System was not due to a technical artifact, as it was a normal object the Fermi life-forms had located in space. Since according to this scenario, 1I should have been a pre-existing "dead stone" in our galaxy, selected solely for its extremely abnormal structure and its size being just large enough to be detected by humans on Earth (Figure 4 and Mini-article 1). However, the minor acceleration effect Avi Loeb's team detected could have been the Fermi life-forms demonstrated their increasing control of the quantum world, how they guided the object into our Solar System in the first place, by gently steering it via their ever-increasing control of the quantum realm. At least 1I should not have been artificial, due to the discussion so far.

As also pointed out in the 2024 article toward the end of Part 5, the important switch, going from mental communication and monitoring at great distances to the use of heavy physical signaling (via interstellar objects), is probably due to its direct and brutal distribution to practically all humans on Earth, which should be one of their goals (Figure 9 and the end of the 2024 article). I think this method of physically signaling their presence also reflects their good intentions regarding the approach, as it would probably have been far easier for them to begin communicating with a small group of experts, for example at a military facility or an observatory. It supports the logic of the paradise machine model that they should view the majority of people on Earth as their friends, also supporting the hypothesis that the only requirement for ending up in the eternal paradise state is *not* to have achieved zero-risk strategies (heavily debated in 2024). This, in turn, implies that all children are safe no matter what, which indicates that the foundation of the machine itself is good rather than evil as part 3 in the 2024 article concluded with (despite the machine's brutal design).

Such "electronic narrow communication" could likely have been carried out through their control of the quantum realm. By instead choosing to signal in a way visible to the entire global population,

they appear to demonstrate an interest in the common population, supporting the prediction that “everyone” on Earth belongs to the paradise state (not being overly concerned with the local power hierarchy on Earth). They may also view this direct, large-scale physical communication as reliable and robust, allowing them to broadcast signals, potentially simultaneously, to all of humanity.

This “communication mission” within the approach theory was the reasoning behind highlighting the MAVEN episode and the potential ‘NASA curse’ earlier, emphasizing that any interference with their attempt to communicate would likely feel dramatic to them. This would signal their intent by disabling NASA’s MAVEN probe in response to the shutdown of their presence in our Solar System. At least, this would have been a logical move (a logical message) if the approach theory holds true, and by this stage they should be fully capable of carrying out such operations, such as disabling a relatively small probe. From the paradise machine’s perspective, interrupting their mission can be compared to coming between a grizzly bear and her cubs. It is important for an organization like NASA, who will probably be among the first humans “they’ll meet,” to understand why the approach happened in the first place. At least if the “NASA curse” is going to continue (and even to increase strength) it is likely due to the logic of the Approach Theory, the Paradise Machine Model and the central *zero-risk design* in the machine.

In the case of a future shock signal, global signal distribution would help produce rapid worldwide consensus, as incoming interstellar objects carrying information would clearly demonstrate that intelligently formulated data cannot originate from humans — given the objects’ angles and velocities — but must come from beyond the Solar System. The electromagnetic-based Wow! signal of 1977 is a perfect illustration of this, as it is still debated nearly 50 years later what actually generated the signal. Massive, powerful incoming interstellar objects carrying information would likely end such debates rather quickly.

To sum up, 1I/‘Oumuamua’s most important signaling features were its timing and structure anomalies used for distributing information. Its elongated shape resembled the number “1,” with a 1:10 width-to-length ratio discussed in Mini-article 1, which is extremely unusual in space and

had never been observed by humans before. However, the timing feature of ‘Oumuamua (June 18 and October 19, 2017) is unique to this article series and to Head Biotech and could not have been noticed by others (such as Avi Loeb’s group).

A similar pattern can be observed with Avi Loeb’s group regarding the first three interstellar objects: whenever strong anomalies are detected by their group, my perspective from the approach theory complements theirs. These parallel research results have proven highly beneficial in supporting the approach theory and in suggesting that 2I/Borisov entered outside the signaling window, which appears to occur roughly every five years. Since 1I did not originate from a black hole, it suggests two things: (1) it did not physically originate from a black hole, and (2) at the time, the resources required to move interstellar objects via the quantum realm were limited.

In conclusion. The continuation of black hole directional anomalies in future interstellar objects should support the proposed interior design of the Paradise Machine Model (Figures 2 & 3), in addition to producing a statistically based “shock signal.” If real, it is difficult to see why Fermi life-forms would ignore such an opportunity to produce strong directional anomalies toward black holes (if they are on a communication mission before their arrival). This directional anomaly to black holes therefore becomes one of the primary predictions for future incoming objects and should fall within the burst time-frame intervals, the next of which is expected around 2029–2032.

1I ‘Oumuamua’s Strong Structural Anomaly Resembling a “1” Supports the Zoo Hypothesis via the Quantum Realm

The structural anomaly of 1I (resembling the number ‘1’ by having a 1:10 width:length ratio shown in figure 4 under) has never been directly connected to the Approach Theory itself. This apparently very strong anomaly to 1I was not even mentioned in the 2024 paper. I interpret this structural anomaly instead now as a general communication signal, implicitly saying: “*Hi, here is the first object, we are about to use interstellar objects for communication purposes in the future,*” with the first one 1I deliberately shaped like a ‘1’ ([ref](#)). It’s a classic way of starting a communication

process and we even do it ourselves. For example, when people who speak two different languages meet, one usually starts very basic by pointing at something simple and connect it to their language by saying the word. For example, pointing at a tree and clearly saying the word “tree.” As I see it, this could be a similar situation with 1I Oumuamua, the first interstellar object humans caught midair, having a structure that clearly resembles a ‘1’, which has never been observed in space before. This extreme anomaly (unless it shows to be normal for interstellar objects in the future) was never included in the approach theory on 1I, only 1I’s *timing* anomalies were included (Figure 7). In the aftermath, I’ve realized the structural anomaly to 1I is a significant anomaly worth paying attention to, for starting a general communication process, something the previous Mini-article 1 payed attention to ([ref](#)).



Figure 4. Avi Loeb's vision of 1I Oumuamua if it were an alien probe. This article points on the fact that its dimensions 1:10 width:length ratio also resembles the number '1' (Credit: “Concept art of 1I/Oumuamua as an interstellar spacecraft by Josué Hernández C., based on Avi Loeb’s hypothesis”).

According to the approach theory the above would imply that the Fermi life-forms deliberately directed an already existing 1I object toward Earth, thereby creating the structural anomaly from our point of view (as discussed over). This scenario of changing the direction to an already existing

interstellar object via the quantum realm, in order to produce a meaningful signal, supports the zoo hypothesis and mental monitoring. Because, a natural occurring 1I/2017U1 is far older than our number system, which scenario makes it impossible to adapt the relatively recent symbol ‘1’ midway. Hence, if the structure ‘1’ was not by random chance it strongly suggests that they are able to monitor us, knowing if we are able to observe interstellar objects and what symbols might be meaningful to us. It suggests that the decision to send it toward Earth was determined in recent times, at least after humans invented the current number system. This view strengthens the zoo hypothesis as an explanation for Fermi’s paradox — that they are continuously collecting information about us from a far distance, as if in a zoo (knowing that the number ‘1’ would be meaningful to us). However, in the context of Fermi’s paradox, ‘being here’ is understood in the Approach Theory as observing or monitoring us from behind black holes at distances ranging from 1,500 to 26,000 light-years. This idea was extensively discussed in the recent 2025 full article on the zero-risk signaling mechanism, which bypasses the no-communication theorem ([ref](#)).

The discussion above indicates that the approaching life-form should, going forward, be able to place not only larger but also more advanced objects near Earth in the coming years. They may even be capable of positioning technological objects to produce the predicted ‘shock signals’ and, in the final stages of their approach, potentially placing spacecraft close to Earth (Figure 6). This idea resembles what Avi Loeb’s group has speculated about ever since 1I/2017U1 ([ref](#)), but according to the Approach Theory, it has been too soon until now for objects with a rating of 10 on the so-called ‘Loeb scale’ ([ref](#)). Not just technically speaking, but also because of emotional concerns, since an *actual* approach could be a harsh mental experience for any isolated life-form if it happens too quickly.

This same logic in the Approach Theory described above is also why I have been skeptical of Avi Loeb’s alien probe hypothesis, since from the Approach Theory’s perspective it seems too early in the approach process. It might happen at some stage of course, but likely much later in the progression (see also Figure 9). I might stretch it to say that 3I/ATLAS is a deliberately designed “advanced comet” that has produced all of the suggested signals mentioned in the first [mini-article](#). It then appears engineered to carry out the complex signaling described there; the changing of

colors, its unusual chemical composition, and the mysterious reversed tail, in addition to its unusual trajectory of course. For this reason, it was necessary for it to be designed as an ‘advanced comet’ while still being ‘a comet’ still ranked very low on the Loeb scale. Besides, according to the approach theory, there should be no reason for them to spy on us with a technical probe, since they would already possess all the information they need, possibly literally down to the quantum level. Their challenge would be the opposite: transmitting information to us while still adhering to the zero-risk requirement built into the overall design of the paradise machine (or designed into *nature* if you like). Any future technical object will therefore probably be of two kinds: the first designed to produce or confirm a ‘shock signal’ performing abnormal maneuvers, and the second — eventually — sending the final “space ships” intended for an actual physical meeting, as illustrated in Figure 6 (maximum intimacy level).

As also discussed in the 2024 paper, the Fermi life-forms should not want to frighten us more than absolutely necessary. A too early shock signal would probably cause significant psychological harm among the population on Earth. According to the Approach Theory, the goal would be to make this harsh process as gentle and comfortable as possible, gradually preparing us mentally with increasingly stronger “confirmation signals.” The reasons behind the gentle personality and morality of the Fermi life-forms were discussed in detail in part 3 of the 2024 article.

According to the *Paradise Machine Model* and the associated *Approach Theory*, if they indeed started to use their wormholes to position 3I/ATLAS, there should be no reasons for Fermi life-forms to alter the primary direction from which the comet originally was placed. To confirm the direction the objects originate from, in this case from black holes, should be in their interest — to add signal value confirming the 2024 paper. Such an anomaly would confirm the reality of the Paradise Machine Model article. Secondly, it would have taken unnecessary extra energy to pretend the comet came from anywhere other than a black hole, which waste of energy goes against the core idea of the Fourth Law and should be considered ‘lying.’ Hence, to hide that the objects originate from black holes would be a total waste of energy. In fact, according to the logic in the Approach Theory, the Fermi life-forms are expected in this phase of the approach to begin

prompting us to suspect both their presence in the universe and that an ongoing approach is underway.

In conclusion, based on the arguments over, if a directional anomaly toward black holes should continue to be used by the Fermi life-forms in the future, it should significantly continue to increase the ‘signal strength’ supporting the Approach Theory and the Paradise Machine Model from 2024. It is hard to see why the approaching life-form (Fermi life-forms) wouldn’t take advantage of this relevant anomaly in the future if these theories are correct.

The Wow! signal from 1977

The directional anomaly of 3I/ATLAS relative to black holes, Sagittarius so far, is by itself considered weak. This directional anomaly will need to be repeated in future incoming interstellar objects for the signal strength to be considered noteworthy. Ideally, it should also fall within the expected signal-burst timeframe, with the next window projected for 2029–2032. A precise match relative to this future prediction would warrant serious attention, given the results obtained so far using the Approach Theory. However, at present the evidence for a specific anomaly pointing toward a black hole remains limited to 3I and awaits solid confirmation from future observations. Avi Loeb’s group also noted that 3I/ATLAS appeared to originate from the direction of the black hole Sagittarius, which is notable because the only known candidate signal from interstellar space, the 1977 Wow! signal, also originated from that same region in space. The Wow! signal remains one of the most intriguing unexplained detections in radio astronomy and is often cited as the strongest candidate for a potential extraterrestrial signal, largely due to its narrowband emission near the hydrogen line frequency of approximately 1420 MHz ([ref](#)). This frequency corresponds to the spectral line emitted by neutral hydrogen, the most abundant element in the universe. In 1959, physicists proposed that advanced civilizations might use this universally recognizable frequency of 1420 MHz for interstellar communication, making it a prime target for SETI searches. The band around 1420 MHz has therefore ever since 1959 internationally protected for radio

astronomy, to minimize interference with terrestrial transmissions. Harvard astrophysicist Avi Loeb has highlighted a directional coincidence: the *Wow! signal* originated from near the same general region from which the interstellar comet 3I/ATLAS approached Earth almost 50 years later in July 2025. Loeb calculated the probability of this alignment being random at about 0.6% (p-value ~ 0.006), suggesting it as a notable anomaly ([ref](#)). The angle difference between *the Wow! signal* in 1977 and 3I/ATLAS was calculated by Avi Loeb's group to be about 9 degrees. It can be discussed how relevant these 9 degrees in difference are; some say it's a very large deviation in the context of the size of our galaxy and the distance to the massive black hole Sagittarius region (26,000 light years). A second interpretation suggested in this article is that if Fermi life-forms are indeed able to place objects via wormhole-like structures, they would probably position these objects *near* our solar system some time before we actually observe them from Earth (for example 1 year prior to observation). This would give them time to fine-tune the objects' trajectories through their control of the quantum realm described earlier. Therefore, even if they use wormholes originating within a black hole, the objects would not necessarily appear in a perfectly straight line from the black hole, but they should still arrive from its general direction (for example by ~ 9 degrees). On that note, the fact that this common direction was indeed toward the largest black hole in our galaxy (Sagittarius) makes it an especially interesting anomaly relative to the Approach Theory.

As already mention the directional bias toward Sagittarius and black holes is still considered weak even when considering the *Wow! signal*. This time around it was 3I/ATLAS's low-risk trajectory of perfectly hiding behind the Sun that made it very interesting. In combination with a predictive value set to 5% (or $p=0.05$) meaning that the chance of making the low risk prediction in the 2024 article was set to about 5%, it produced a combined calculated 'signal strength' of 1:140,000 ([ref](#)). The calculated number to represent 3I/ATLASes signal strength in itself can be debated, but it should be obvious no matter how one looks at it that the combinatorial scenario *is* significant, especially in the context of SETI research. The more formal signal strength number of 1:140,000 is to have a scientific measure to the 3I/ATLAS incident and it might also be adjusted in the future (both up or down). But this official signaling strength number for now has been the reason to why Head Biotech has declared 3I/ATLAS to be the latest 'official signal' in the approach theory after Oumuamua. Its directional anomaly in relation to Sagittarius and the *Wow! signal* is not included

in this 1:140,000 number, but a similar anomaly relative to black holes, from a new incoming object, would definitely affect the calculation of the next signaling strength.

Inside the Paradise State Beyond the Event Horizon

As already mentioned over, a continuous directional anomaly in future incoming objects would indirectly increase the likelihood of the suggested interior of the paradise state in the machine model from 2024. Not only the wormhole structures, but also the structural details of the billions of ‘paradise villages’ shown in figure 2, in which part of ‘the machine’ we potentially are destined for in the future. The wormhole structures between the different paradise states (the various ‘villages’) was primarily suggested to serve an internal logistical function in the paradise state, but one that may now also include facilitating FTL logistical operations on our side of the event horizon. However, these details of the inner world of the paradise state are for now considered *extremely* weak and are solely based on the Approach Theorys suggested first signaling events (probably the initial response to receiving a zero-risk signal from Earth), described more closely in the so-called ‘Paradise women story’ (local pdf file on Head Biotech). Essentially, this indicates that the ‘tour’ of their paradise village proposed to occur immediately after the discovery of the $Eu = 0 = Paradise$ formula in 2006 — was, in fact, ‘real’. As I see it, a continued black-hole anomaly in the future would also influence this already extremely fragile founded speculation. The details of how the paradise state might appear are probably the weakest proposed feature of the Paradise Machine Model, but a continued black hole anomaly would also support the idea that the approaching life-form uses the quantum realm to plant ideas during the initial stages of the approach process (Figure 9).

It is beyond the scope of this article to determine whether the “tour” described by the paradise women story from 2006 indeed was the result of ‘planted ideas’ in a dream-like state, or whether it involved an actual copying procedure and logistical operation. The discussion so far, however, suggests that if the event was ‘real’, it most likely involved the implantation of pre-existing ideas rather than an actual copying and logistic event (i.e., more akin to receiving ‘real’ information by

watching a movie instead of being there). Ultimately, the specific mechanism behind this strange experience in 2006 is less important than the fact that these ideas materialized on paper (which today becomes very useful). The 2024 paper also mentions that the *only* potential data we have on the inner reality of the paradise state itself is from the paradise women story. Basically betting on the idea that the so-called ‘paradise women’ in relation to the discovery of the $Eu = 0 = \text{Paradise}$ formula in 2006 were actually the approaching Fermi life-forms whom thereby also is behind Ouamuamua and 3I/ATLAS. The main argument for implementing the paradise women story into the approach theory was that details in this story from 2006 aligned with the logic of the new *women-baby idea* (Figure 5). In that, their main activity in their ‘paradise village’ was just that, to further strengthening the affection between women, babies, and toddlers— to new artificial levels even further then what we are used to on Earth. Due to the *zero-risk argument* in the paradise machine model from 2024 this strengthening of bond between women and child was a necessary step for reaching peak intelligence (due to the central *zero-risk argument* in the machine model). However, ‘they’ (the so-called paradise women), they never demonstrated or mentioned that the reasoning to focus on strengthening the women-baby bond was due to it being a strict prerequisite for producing peak intelligence in a machine like operation. The only small clue was, if you read the story there were ‘something’ they did inside of that house by the lake which I never really understood, something that got to do with ‘scientific work’ in relation to the $Eu = 0 = \text{Paradise}$ formula. In aftermath, and if the approach theory is true, what they did inside that house by the lake perhaps was in relation to the production of both *love* and *intelligence*? But as already mentioned, I never saw anything that got to do with producing the intelligence part, just the ‘love producing’ part between the women and babies.

Eitherway, to ‘discover’ the women-baby idea in February 2024 was a pivotal moment in envisioning the approach theory, the idea that a pattern of increasingly strong signals were a result of an advanced life-form moving closer to Earth — starting back in 2005 and 2006 (since they had a female nature). The very day I got this vision of the women-baby idea I made a post about it on head biotech’s X account in February of 2024, in the middle of writingprocess (Figure 5 under). After that, the approach theory took shape during the writing process, eventually becoming ‘part 5’ of the 2024 article. This is so far the only ‘proof’ I have of the interior of the paradise state

behind the event horizon, but my argument is that if the black hole anomaly continues, it will also affect this speculative part of the Paradise Machine Model (Figure 2).

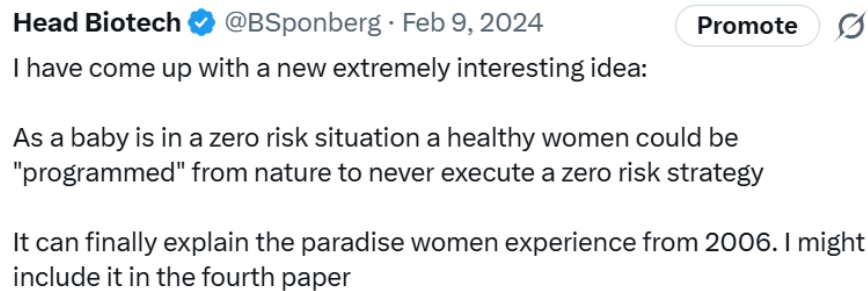


Figure 5. The day “the women-baby idea” came alive. Not long after, the Approach Theory was born, once I realized that strengthening the bond between woman and child was the central activity in the ‘women paradise’ (Screenshot from @BSponberg on X).

In summary. What is also interesting about a continued incoming *directional bias* toward black holes its not only that it will contribute to producing a potential ‘shock p-value signal’ in the future. A future shock signal and a bias leaning toward black holes would further bolster the remarkable assumption loosely proposed in the 2024 paper’s approach theory, suggesting that the “paradise women story” that took place about twenty years ago ([ref](#)) was indeed the first active contact made by real existing Fermi life-forms. Such confirmation signals relative to black holes would ultimately also support the inner structure and function of the paradise machine model. Not only the wormhole tunnel structures, but also for the women-baby idea and the ‘paradise villages’ themselves, and that it was indeed a zero-risk signal that drew the Fermi life-forms attention to Earth around this time in 2005. Thus, the intriguing logic behind the *women-baby idea* is thereby also confirmed, suggesting that we should expect Fermi life-forms — if they ever arrive — to appear as soft and with a female “mothering” nature about them. As an extension of the paradise-woman story, I have, since the emergence of modern AI tools, fed the paradise women story into an AI together with the paradise-machine model from the 2024 article and asked the system (Grok2) to create an illustration of what

it might look like on the other side of the event horizon. The illustrations I felt envisioned the dream most accurately appear at the end of this mini-article.

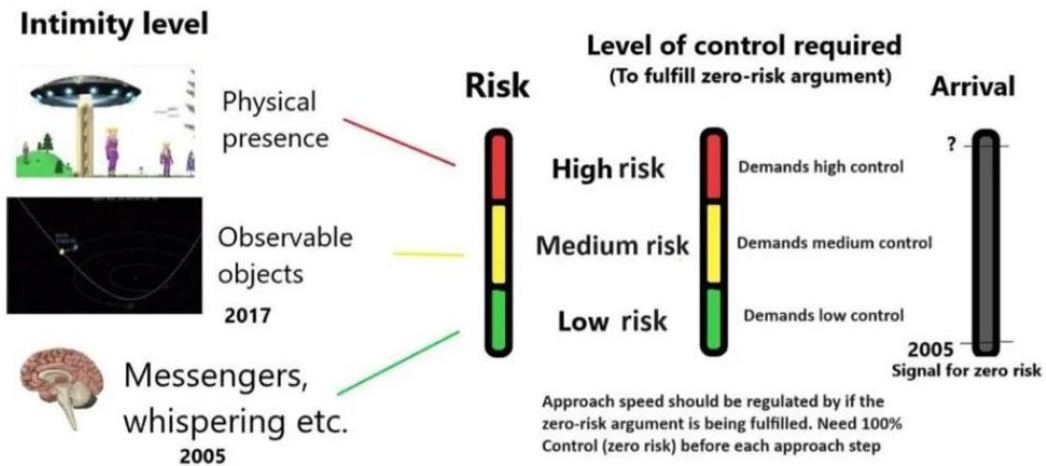


Figure 6. Screenshot from the 2024 article on the paradise machine model. The theory suggested that the approach had reached the interstellar objects signaling phase, as they had been moving closer since 2005 (increase of ‘level of control’). It also proposed that they needed to follow the zero-risk argument in their approach, which explained why the 3I/ATLAS anomaly, by hiding perfectly behind the Sun, caused the signal strength to skyrocket to its highest point yet, further confirming the logic of the theory. By hiding any physical objects they had been involved in from observation, in the continuous hunt to maintain their zero-risk position relative to us.

3I/ATLAS: A Cigarette Butt at a Cosmic Crime Scene

The risk situation for Fermi life-forms as they get closer to Earth can be compared to a crime scene on Earth. In a crime scene, if a perpetrator has left behind even a single cigarette butt among many

others, there is always a risk that the one cigarette they once touched could eventually be what convicts them. Leaving behind any trace — large or small — always carries risk.



Figure 7. I couldn't believe my eyes while working on the 2024 article last year. The idea of a zero-risk signal that might attract Fermi life forms was conceived as 'Oumuamua entered our inner solar system in June 2017, and then looking at my fb activity on October 19th. Looking at the timestamps, that's when my heart skipped a beat when realising that the only time i ever took a picture of 'Head Biotech' since i founded it in 2009 was on the 19 October 2017. The 'Oumuamua incident therefore inspired me to develop a theory on how Fermi life forms might approach Earth with the women-baby idea being the last drop, as I began to look back in time. Was the 'Oumuamua incident just the latest and strongest approach signal in a longer chain of approach signaling events that I had missed? And could this approach have started in 2005 in relation to the discovery of 'Eu = 0 = Paradise' formula? Head Biotech is a non-profit, essentially a "nothing company" I've maintained since 2009 without any income, serving mainly as a hub for the Fourth Law theory. It now seems possible that Fermi life forms might be "drawn" to Head Biotech after the October 19 'Oumuamua incident. Its sole purpose is to house the five articles on the Fourth Law. Could the Fermi life forms be trying to tell us something here, guiding 'their actual message' to the content in the article series?

In the context of the *zero-risk argument*, this constant need to reduce risk relative to the source of the zero-risk signal should become evident when observing interstellar objects that the approaching life-form has somehow been in contact with. Whether the interstellar object is a 'dead object' (rated 0 on the Loeb scale) placed near Earth via a wormhole, or a 'technological probe' with a value of

10 on the Loeb scale, the same need for a risk-reducing behavior should be at work (Figure 6). And with 3I/ATLAS, I argue that this is exactly what we saw which produced its anomalous trajectory pattern relative to Earth. The stakes involved in the suggested ongoing approach situation, according to the always central *zero-risk argument* (the stake of losing their paradise state to a natural rival life-form), are of such magnitude that it should reveal a strong tendency to reduce their risk in every possible way they can. Similar to how a perpetrator at a crime scene should think.



Figure 8. 3I/ATLAS on 24 November 2025. (Image Credit: [Gerald Rhemann and Michael Jäger](#))

Head Biotech has already officially announced 3I/Atlas as the latest ‘signal’ marking it as the final ‘member’ of the approach theory. If the theory is accurate, these signals should continue and intensify over time, and as described in this mini-article, a “shock signal” is likely imminent (either a theoretical or an empirical-based signal). Based on my understanding of the approach theory, I should be able to pretty accurately describe how these forthcoming "signals" will unfold in the future — as the signals should follow the rules set by the approach theory. 3I/Atlas seemed to follow these rules, as so should the future signals — if they align with the prediction. It’s important to note

that the rules will likely shift as they approach Earth. For instance, the next interstellar object might not need to follow the same *low-risk* behavior as 3I/Atlas, especially if it keeps the same size and level of proximity that the 3I/Atlas projection did. The theory suggests that, over time, they will steadily gain greater control over us, with each advancement being approved by the machines zero-risk design (the zero-risk argument). Eventually, this progression may reach a point where they can fully reveal themselves — while still preserving their dominant, zero-risk position in the universe. At that crucial moment, making *full contact*, would indicate they have achieved complete dominance over us (Figure 6). I have suggested in my approach theory from 2024 that an encounter with an alien civilization might involve them arriving in a typical spaceship. The reasoning behind this suggestion is not that they *must* use a spaceship to meet us, but that they might choose this way of arriving to adapt to our expectations, presenting themselves in a way that aligns what we would find most familiar and comfortable with. That is why I have suggested that they make the final stage of their approach in classical-looking ‘spaceships,’ in order to satisfy our expectations of what such an arrival should look like. So the illustration of the final stage in the approach showing a classical spaceship in figure 6 and 9 is based solely on this rationale: making the final stage as comfortable as possible. One could say that our own culture on Earth has shaped this suggested ‘landing scenario.’

Predicting the Next 5–15 Years Based on the Approach Theory

At this stage in December 2025 of the approach process (Figure 9), I believe the next ‘signal’ will again arrive in the form of an interstellar object, similar to ‘Oumuamua or 3I/ATLAS (I have not identified one single interesting bias in 2I/Borisov). I expect they will continue using interstellar objects because these bodies often exhibit abnormal and unique velocities and approach angles, making them stand out clearly from ordinary solar-system objects. And if such objects carry information, that information must originate from another intelligence in the universe. This makes

interstellar objects a direct, reliable, and unmistakable method of communication. It would be far too early to, for example, make a ‘landing’; instead, the focus should be on steadily building a stronger p-value in their signaling to gradually convince us of what truly is a harsh reality. However, it is important to constantly remind readers of the good and peaceful nature of the Paradise Machine Model, and that the Fermi life-forms absolute first priority should be children (and, in theory, animals). As intensely debated throughout the main 2024 and 2025 articles, achieving a successful zero-risk strategy for any adult on Earth would be extremely difficult (even if you tried). It would probably first require to operate through a government system, within an abnormal energy context, governing a small population, a point also emphasized in the main 2025 article discussing the origin of the zero-risk signal ([ref](#)). To use an extreme example, a farmer for example in India, Pakistan or someone in a similar natural ‘chaotic context’ (which still is the majority on Earth), would never be able to achieve zero-risk, even if they tried. India and Pakistan are used here merely as an example, but it represents a typical context with a naturally chaotic environment (in the struggle for survival game) — which still is the basic standard on Earth, even in the west. But the absolute safest position is being a child, and the younger the child, the higher the ‘status’ (the lesser the threat). On that note, taking the position of deciding who is going to paradise or not is very awkward. I suggest that readers do their own thinking, using the 2024 and 2025 articles as a theoretical framework. In general, I would say that if you have a clear conscience, there should be no problem — regardless of the chaotic context you might be in. For all I know, I am not qualified myself, since I, for example, eat meat (and animals are in a near-to-close zero risk position). I cannot know exactly where ‘the machine’ draws the line, but taking the machine’s design into account, it should be a fair process. In fact, the Fermi life-forms themselves never intended this brutal aspect of the machine (which creates the zero-risk argument) but inherited it from an earlier universal ‘curse’, perhaps a longstanding ‘curse from God’ (heavily debated in Part 3 on morality in the suggested design of the Paradise Machine Model). Which means; *if* they can, they will probably position all of us in the eternal paradise state (but fairly distributed in the name of the *principle of justice* standard in the machines design).

I estimate that the next ‘signal’ — which should be stronger than 3I/ATLAS and potentially qualify as a ‘shock signal’ — will arrive within the next 5 to 6 years. The exact numbers are not important; what matters is the order in which the events occur. Based on today’s date (December 12, 2025),

this places the next signal roughly around 2029–2032. This is a prediction, not a guarantee, and it is based on the patterns I see in the Approach Theory going back to 2005.

My impression is that the signals arrive in “bursts” at intervals of roughly five years, beginning in 2005. These periodic bursts could, for example, explain the otherwise puzzling neutrality of 2I/Borisov — its timing simply fell outside one of these signal bursts. In my view, the approaching life-form needs those 4–6 years to build up a new level of control as they approach us, in order to producing a signal stronger than the previous one. Along with the signals themselves, their strength should also continue to increase with each ‘burst’ (Figure 9).

The “Shock Signal”: The Day Humanity Reaches a Conclusion About the Approach

After this next signal in the next ‘burst’, I think things could escalate. This since, the Fermi life-form should actually be in *a hurry* as I see it (at least not wasting time unnecessarily), as to them we are in a horrible situation compared to their state of 100% love and intelligence. According to the *paradise machine model* and *the approach theory*, these life forms might eventually be able to send “shock signals.” And I see no reason to prolong this important stage after increasing the ‘signal strength’ after the next ‘burst’ mentioned over. At some point they must take it up to the next level, where they physically demonstrates their approach once and for all. My guess is via an empirical shock signal, like maneuvering an interstellar object to clearly demonstrate. This means they could actively manoeuvre an object — making it change direction or a controlled landing within the solar system so that its obvious to everyone on Earth — to demonstrate their presence. At this stage, the earlier signaling has likely strengthened us enough to mentally manage this increase in signal intensity. It probably just mean that we are not afraid of them anymore, that we start to come to terms with “who they are” and them having good intentions. I’m guessing this first empirical “shock signal” therefore might happen in the next 10 to 20 years from now, roughly between 2035 and 2045. But again, what matters is the *pattern* in which their approach unfolds, not the accuracy of the years. By that time, we have probably grown accustomed to the idea of other life forms existing and being benevolent. So, when “the shock” signals begin, we might handle it differently than today, it could even become a joyful experience as we receive the final confirmation. I guess you could

say these interstellar objects which will create the “shock signals” score a perfect 10 on the Loeb scale as identified technical probes. Or alternatively, they may continue confirming the approach theory by producing increasingly higher p-values — such as by creating strong biases relative to black holes. How this might be achieved is, of course, an open question, but in this article I have suggested that they could use *directional* anomalies. For example, if signals or objects consistently originate from the Sagittarius region, this could generate an extreme p-value in support of the approach theory. And of course, it could be accompanied by another modern Wow! signal coming from the same direction as the one detected in 1977, or from another black hole. The points above are the closest I’ve come to predicting the next phases based on the approach theory.

Conclusion and Final Words

The key point in this second mini-articles prediction is the *sequence* of events not the actual *dates*: and that the signals should get stronger over time, that is the *ground rule*.

What I have learned this time around is that the “signal-strength-booster” lies in having predicted a certain behavior before it takes place. Instead of keeping this to myself, I will now predict the future pattern of behavior of interstellar objects in this document. Basically continue to use the approach theory as a compass to predict the remaining future events (as I used the same theory as a compass to predict the general behavior of 3I/Atlas in 2024). The reason is to further boost future probabilistic values in case the predictions continue to match future events. Those who have some experience with probability calculations know that if a rare event happens, if you predicted that event to happen before the actual event, the likelihood of that combined event being random decreases dramatically. Consequently the resulting next “signal strength” after 3I/ATLAS will be extremely strong. In other words, if these predictions come true for future interstellar objects (if they follow the approach theory), we can probably conclude that we have likely established contact with a higher civilization. The good part is, if so, we know who they are and what they could mean to us. We then also know why they might seem “hostile” in their approach process, in order to protect our common future eternal paradise state. This meeting could therefore become biblical;

“He will wipe every tear from their eyes. There will be no more death or mourning or crying or pain, for the old order of things has passed away.”

(Revelation 21:4)

According to the paradise-machine model, the only thing we truly have to fear is a perfectly precise mathematical justice rooted in the zero-risk detection mechanism. If this is correct, it would grant the vast majority, if not all, of people on Earth an eternal paradise state, along with all children, and, in principle, all other life-forms in nature on Earth.

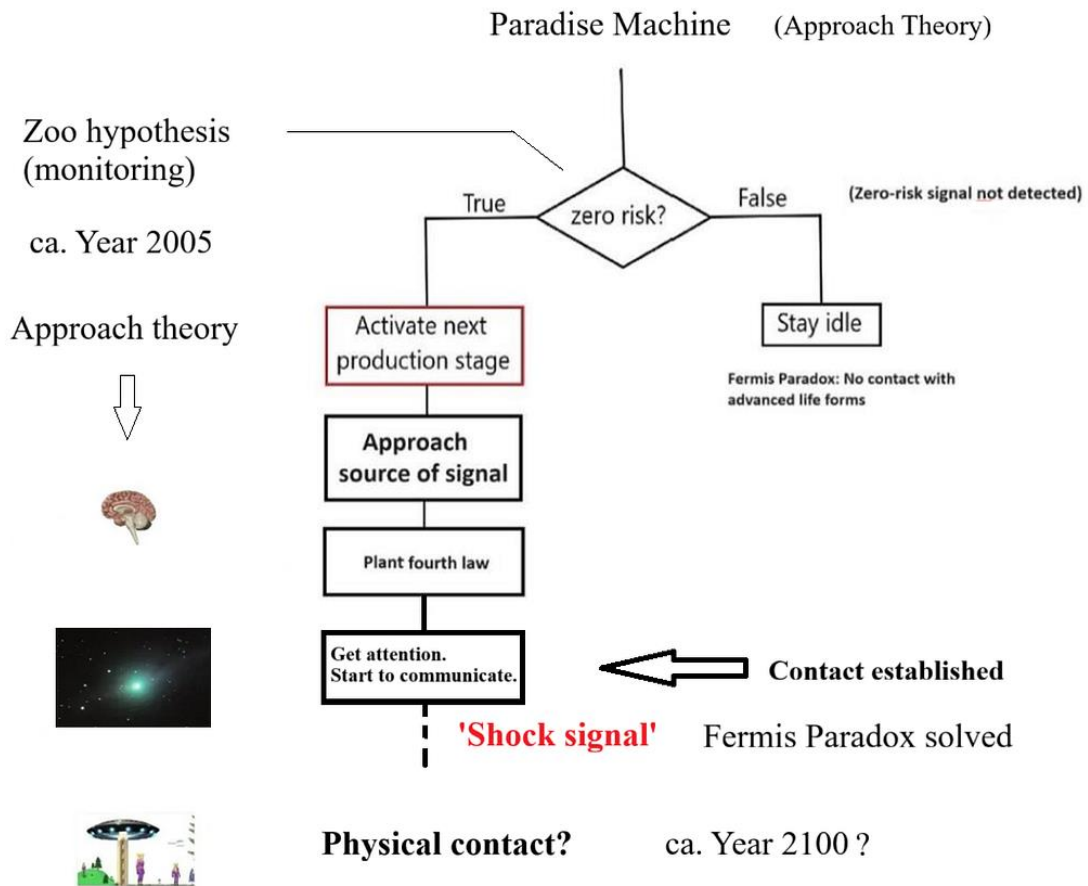
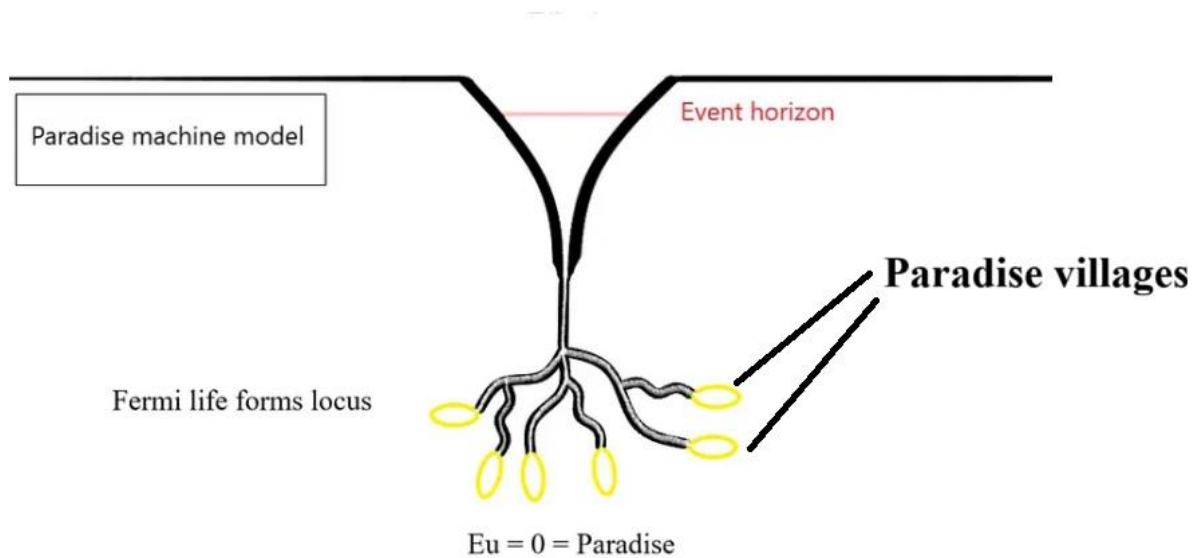


Figure 9. The pre-stored protocol described in the 2025 article (fifth article) should be designed to receive any zero-risk signal from any competing lifeform in the universe. Similar to an else-if structure in computer programs.

Formal Prediction for the Next Interstellar Signal by Head Biotech based on Mini-article 2 as of December 14, 2025.

Based on the 2024 Approach Theory and Paradise Machine Model, I have now officially predicted the next interstellar object to show; **1)** The object will enter our solar system in the time window 2029–2032. **2)** Show a directional anomaly toward a black hole (notably Sagittarius A*) and **3)** If it is a match with this prediction, the object will demonstrate stronger general anomalies than 3I (i.e., low p-value behavior). However, I can't use the theory to predict the nature of these general anomalies, only that there will be stronger anomalies than 3I, potentially demonstrating a shock signal.

ILLUSTRATIONS OF THE PARADISE STATES BEHIND EVENT HORIZON (using Grok2) based on the paradise women story from 2006 combined with the Paradise Machine Model from 2024.



The location of the paradise 'villages' (in yellow) behind event horizon according to the paradise machine model. Connected with 'wormhole structures' for logistics. There are probably 'billions' of them and might look different, just that these illustrations are based on the paradise women story.









References

- Sponberg, B. *The Paradise Women Story*. Head Biotech (WordPress). <https://headbiotech.wordpress.com/the-paradise-women-story/> (Background narrative influencing the Paradise Machine model.)
- Sponberg, B. (2025). Quantum entanglement for instantaneous zero-risk warnings in the Paradise Machine: Notifying Fermi. *Medium*. <https://medium.com/@sponberg1/quantum-entanglement-for-instantaneous-zero-risk-warnings-in-the-paradise-machine-notifying-fermi-98f8b2267cfe>
- Sponberg, B. (2024). Viewing nature as a Paradise Machine through the lens of the Fourth Law of Thermodynamics. *Medium*. <https://medium.com/@sponberg1/viewing-nature-as-a-paradise-machine-through-the-lens-of-the-fourth-law-of-thermodynamics-0b3a232baae3>
- Sponberg, B. (2025). Mini-article 1: Why did 3I/Atlas turned blue and recent NASA pictures showed the reversed tail actually was a small... *Wonk-A-Vator on Medium*.

<https://medium.com/wonk-a-vator/why-did-3i-atlas-turned-blue-and-recent-nasa-pictures-showed-the-reversed-tail-actually-was-a-small-6a259f3fa871>

- Sponberg, B. (n.d.). My prediction about the next signals after 3I/Atlas by applying the approach theory. *Wonk-A-Vator on Medium*. <https://medium.com/wonk-a-vator/my-prediction-about-the-next-signals-after-3i-atlas-by-applying-the-approach-theory-da4e170dd18f>
- Loeb, A. (n.d.). Anomalies of 3I/Atlas organized by likelihood. *Medium*. <https://medium.com/@avi-loeb/anomalies-of-3i-atlas-organized-by-likelihood-af20fb3b6d21>
- Loeb, A. (n.d.). 3I/Atlas rapidly brightens and gets bluer than the sun near perihelion. *Medium*. <https://medium.com/@avi-loeb/3i-atlas-rapidly-brightens-and-gets-bluer-than-the-sun-near-perihelion-3bf100df8390>
- Loeb, A. (n.d.). Was the Wow! signal emitted from 3I/Atlas? *Medium*. <https://avi-loeb.medium.com/was-the-wow-signal-emitted-from-3i-atlas-d18d4f0d1f1e>
- Hawking, S. (1988). *A Brief History of Time: From the Big Bang to Black Holes*. Bantam Books.
- Hawking radiation. (2025, January). In *Wikipedia*. https://en.wikipedia.org/wiki/Hawking_radiation
- Black hole information paradox. (2025, January). In *Wikipedia*. https://en.wikipedia.org/wiki/Black_hole_information_paradox
- Morris, M. S., & Thorne, K. S. (1988). Wormholes in spacetime and their use for interstellar travel: A tool for teaching general relativity. *American Journal of Physics*, 56(5), 395–412. <https://doi.org/10.1119/1.15620>
- Wormhole. (2025, January). In *Wikipedia*. <https://en.wikipedia.org/wiki/Wormhole>
- Schrödinger, E. (1992). *What Is Life? With Mind and Matter and Autobiographical Sketches*. Cambridge University Press. (Original lectures from 1940s; PDF edition available at) <http://strangebeautiful.com/other-texts/schrodinger-what-is-life-mind-matter-auto-sketches.pdf>
- Strominger, A. (Guest) & Fridman, L. (Host). (2023, February 15). *Andrew Strominger: Black Holes, Quantum Gravity, and Theoretical Physics* [Video podcast episode]. In *Lex Fridman Podcast* (No. 359). YouTube. https://youtu.be/y3cw_9ELpQw?t=1800
- Hameroff, S., & Penrose, R. (2014). Consciousness in the universe: A review of the 'Orch OR' theory. *Physics of Life Reviews*, 11(1), 39–78. <https://doi.org/10.1016/j.plrev.2013.08.002> (or <https://www.sciencedirect.com/science/article/pii/S1571064513001188>)
- Penrose, R. (n.d.). Roger Penrose on why consciousness does not compute. *Nautilus*. <https://nautil.us/roger-penrose-on-why-consciousness-does-not-compute-236591/>