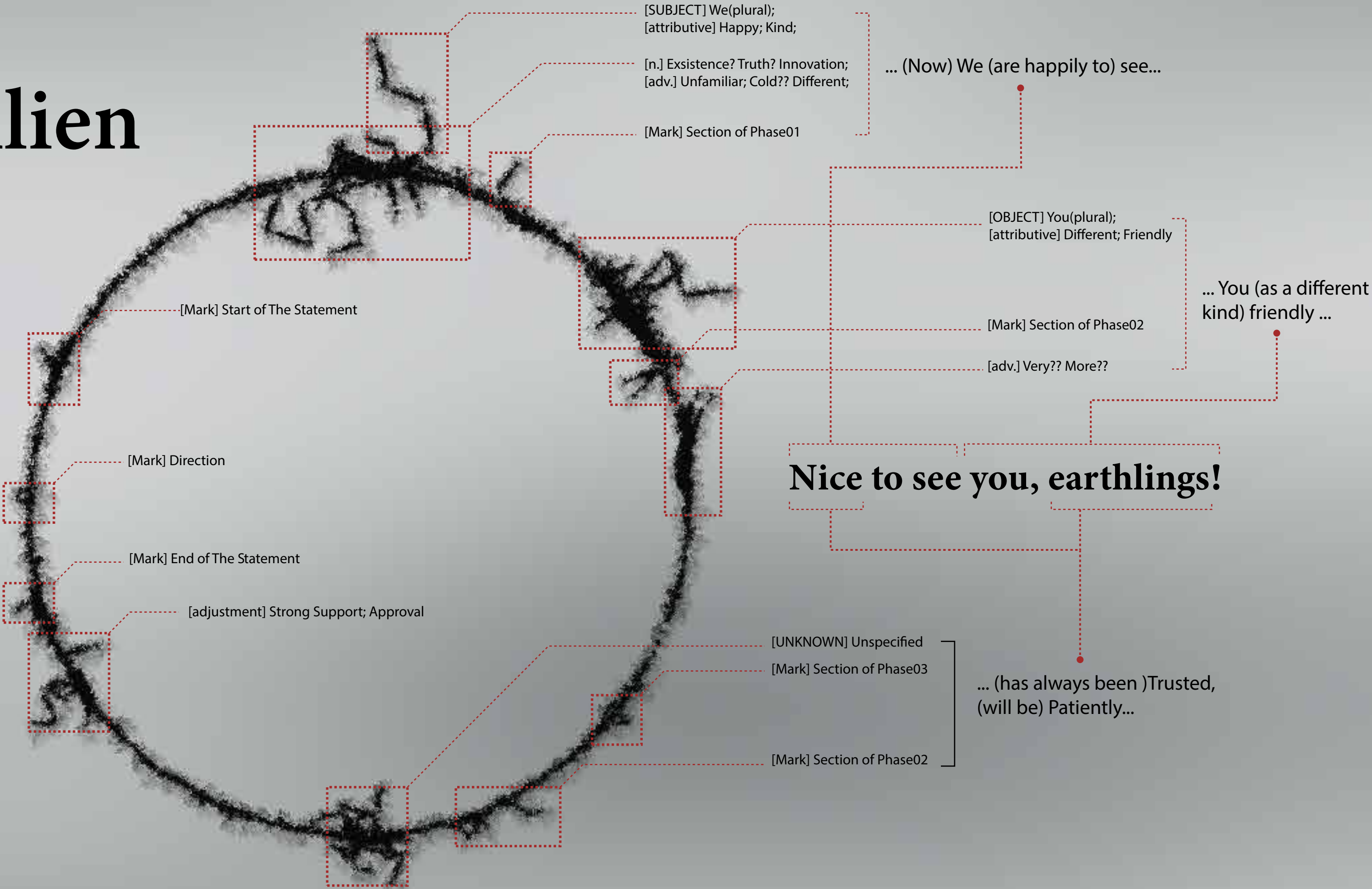## 02   Generative Art

Talking to the Alien

By P5.js, ChatGPT API

The project "Talking to the Alien" reimagines human-alien communication inspired by "Arrival."

Alien symbols, drawn in emitted ink, form a unique language. Users engage in conversations, combining human text and alien visuals.

The project fosters mindfulness, offering a glimpse into profound intergalactic connections, devoid of explicit alien meanings.

▶ https://youtu.be/2zsf6jHRELk

[SUBJECT] We(plural);
[attributive] Happy; Kind;

[n.] Exsistence? Truth? Innovation;
[adv.] Unfamiliar; Cold?? Different;

[Mark] Section of Phase01

... (Now) We (are happily to) see...

[OBJECT] You(plural);
[attributive] Different; Friendly

[Mark] Section of Phase02

[adv.] Very?? More??

... You (as a different kind) friendly ...

[Mark] Start of The Statement

[Mark] Direction

Nice to see you, earthlings!

[Mark] End of The Statement

[adjustment] Strong Support; Approval

[UNKNOWN] Unspecified

[Mark] Section of Phase03

[Mark] Section of Phase02

... (has always been)Trusted, (will be) Patiently...

Origin & Adaptations

Story of Your Life(1998)
Ted Chiang

A linguist learns an **alien language**, changing her perception of time, exploring themes of communication, determinism, and the acceptance of life's inevitable events through a sci-fi lens.

Arrival(2016)
Denis Villeneuve

Expands on Chiang's story, focusing on emotional connections and the human aspect of **language's power**. Diverges by emphasizing personal loss and global unity through a visually compelling narrative.
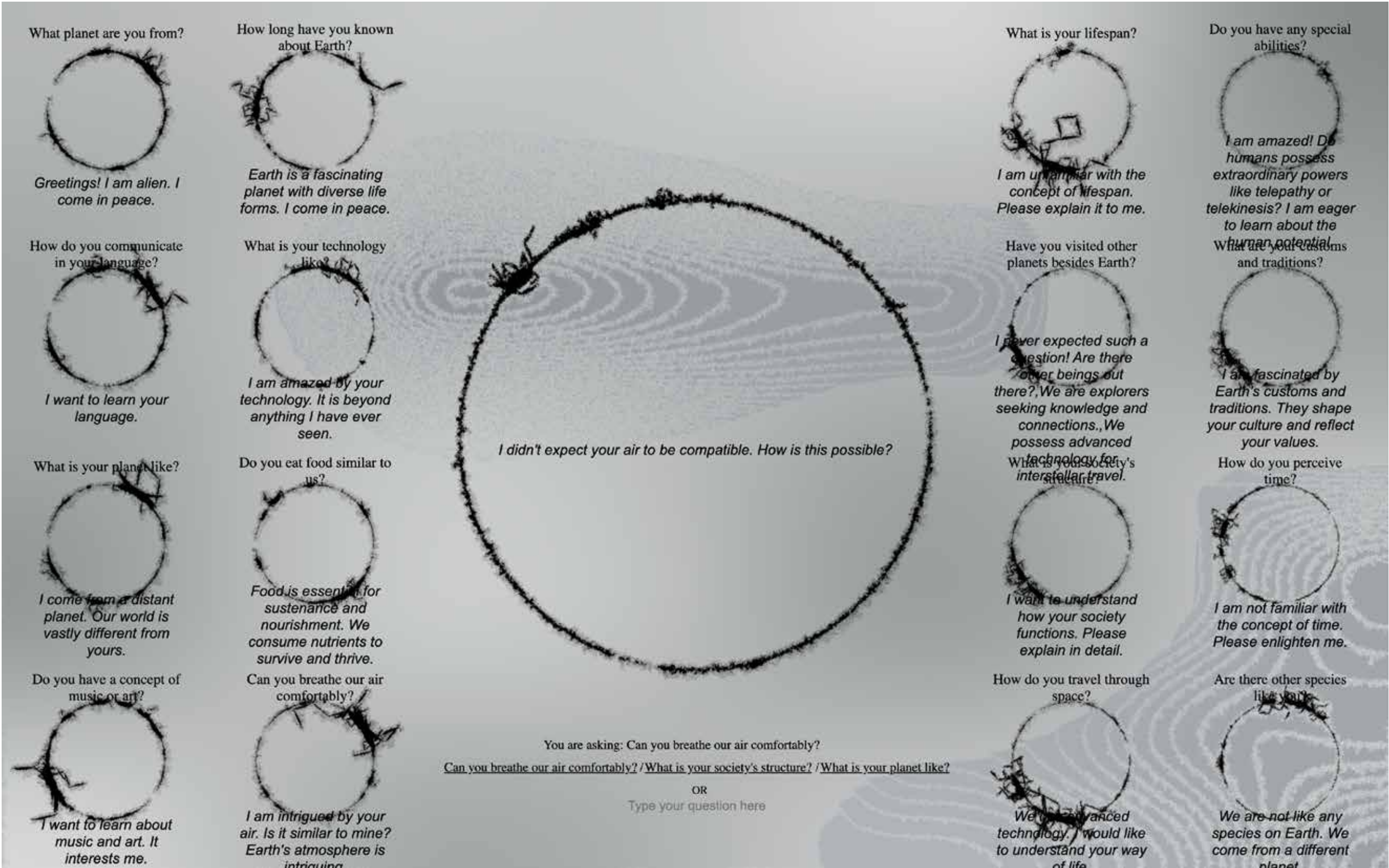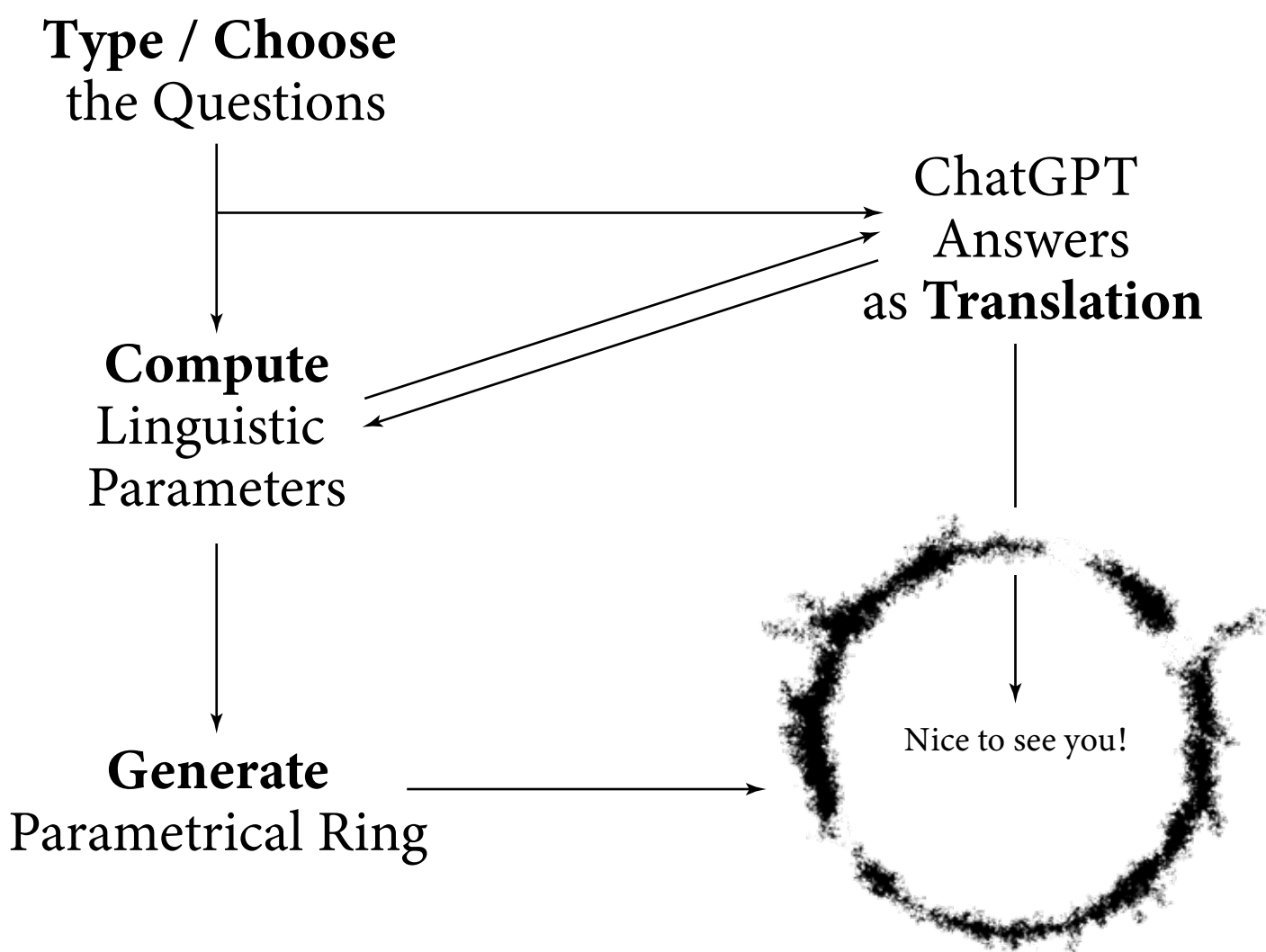
The Mysterious Alien Language

1. **Non-linear**: Time is perceived simultaneously, not sequentially.

2. **Logographic**: Uses complex circular symbols for communication.

3. **Sapir-Whorf**: Language structure affects cognition and worldview.

4. **Deterministic**: Implies events are predestined and unchangeable.

5. **Time perception**: Learning it changes understanding of time.

6. **Interconnected**: Symbols reflect the universe's holistic nature.

7. **Empathetic**: Facilitates deep understanding across species.
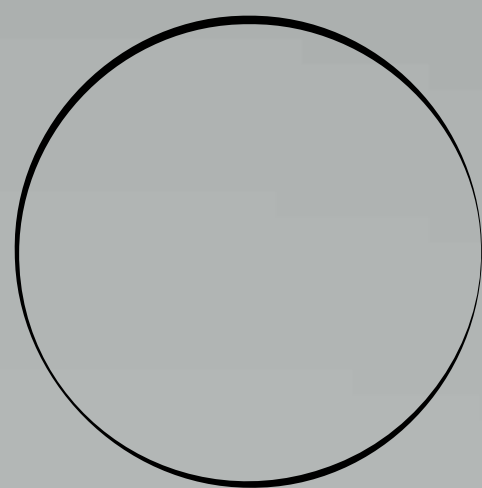
Alien Language & Generative Art

The **non-linear nature** of the alien language, which allows for the simultaneous perception of time, can be represented in **generative art** through visual forms that defy traditional linear narratives.

With the **infinity and interaction** of the generative art, the sense of mystery in talking to the alien continously releases.

Type / Choose
the Questions

ChatGPT
Answers
as **Translation**

Compute
Linguistic
Parameters

Generate
Parametrical Ring

Nice to see you!

Preview: https://openprocessing.org/sketch/2121872
Video: https://youtu.be/2zsf6jHRELk
Codes: https://github.com/Typemaster32/Arrival-Talking-to-the-Alien
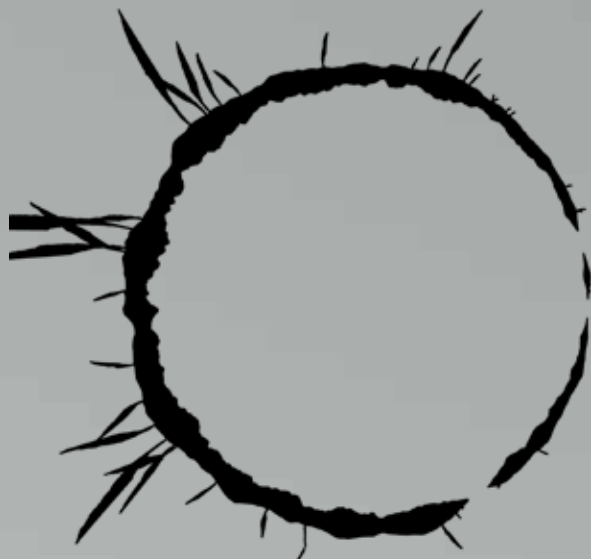
Codes & Algorithms

1. Making the standard circle.

2. Using **Perlin Noise** to create line width that change smoothly.

   The length of input text is applied here.

3. Set **random** function to make the branches of the circle.

   A longer answer leads to more branches.

4. Import parameters to control the outreach **angle** and **distance**.

5. Adjust factors. Group the branches into the division of sentences.

6. Make **ink emmision effect** with the gradual changing values.

7. **Diffusion** in the fog background, fitting into the background