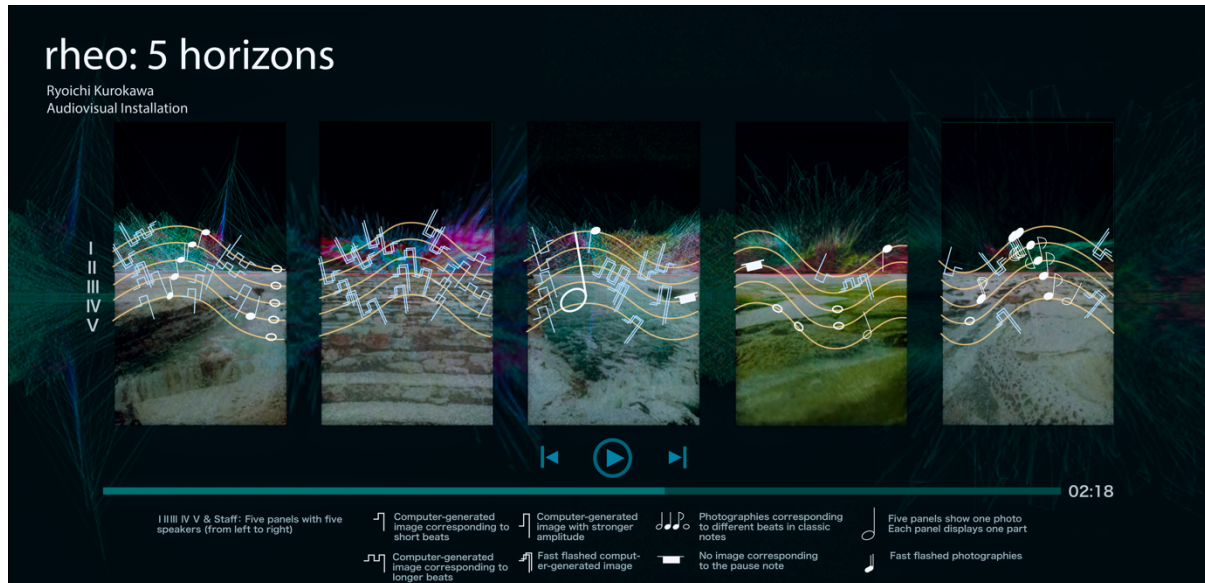# Flows: audiovisuality, space and time
Pictogram — Rheo: 5 horizons

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Link: https://drive.google.com/file/d/1AHTM8aFu1h1zV2jbp6dkZmDXN3BNwnz7/view?usp=sharing

Rheo: 5 horizons is an audiovisual installation created by Ryoichi Kurokawa. It is an artwork that includes computer-generated images, photos of horizons and sonic materials. The five flat-panel-displays are paired with five speakers. Each video is related to particular audio.

Here are some reasons for my choice. Firstly, it is an avant-garde interdisciplinary artwork combining algorithm-generated system and classic media (photos). Secondly, the effect of multi-channel narration, time image and audio is stunning. I think audio narrative is more important than image narrative in this artwork. Using sounds to sculpturing time and space provide a new experience for the audience.

From my perspective, this artwork connotes that everything is moving ahead in flows (Title "Rheo" means flow in Greek). It displays the relationship between technology and nature through computer-generated images and photos of nature. I used musical scores as the main

body because artist tends to present time and space by building spatial audiovisual construction, focusing on audio narrative.

The curl music staff in this pictogram is the timeline and articulates the sense of flowing. Each curve line represents one panel, consisting of notes which correspond to the images in this specific screen. The horizontal timeline is divided on average into five panels representing around thirty seconds respectively in this artwork video. I think the form of multi-channel also shows the relationship between part and entirety, therefore I choose use five separated backgrounds and one continuous music staff. The notes on staff are the emergence of computer-generated images and photos. For the generated images, I designed particular notes. Since the computer language is a binary system, and the analog wave will be converted into digital signals, which can be displayed by Pulse Wave Modulation(PWM), I morphed classic music notes into the PWM style. Different beats and amplitudes of the audio effects are also designed in these PWM notes. For the photos, I used normal music notes with some improvements to express this artwork. For instance, I used one big 2-beat note to denote one photo that separates in 5 panels. For the choice of colors, I utilized the khaki, blue and white for notes to present nature. For the whole style, I choose the dark tone to reflect the scientific and technological sense. I hope viewers can experience the audio effects in space visually by understanding the positions, density and distance of the notes on the wave music staff step by step.