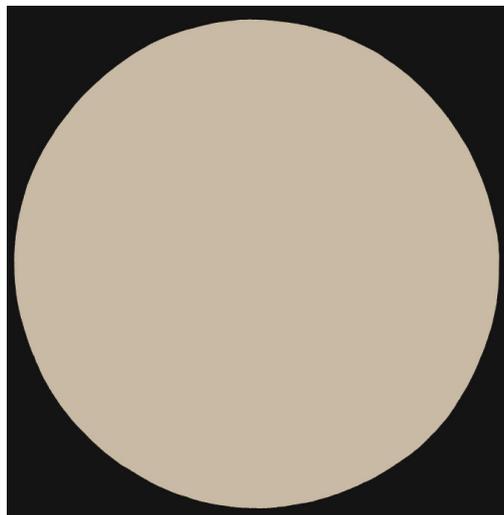


Studio Now



Finishing 'Forgetting – City Life 52' and producing the Forgetting series merchandise.

The explanation of my works



<Cognition – 12 The way of seeing, 2021>

This piece expresses an afterimage of the retina after being exposed to strong light during an ophthalmological examination. The meaning of what humans see says they see processed information in the optic nerve. The external subject is encountered through the human eye and then passed to the optic nerve confederation area in the occipital region. And the processing time is very short. Perhaps because of the short processing time, humans believe that they see the moment when the object is projected into the eye. However, the fact is, humans have never seen the fundamental nature of the object they are looking at. They just recognize that the information given is the fundamental nature of the object. Like the afterimage in the work, perhaps humans do not see the fundamental nature of the object, but only cognize the traces of the object given through light.

For detailed image, go to webpage on the bottom of next page.

Kim's Essay

Information and Existence (1)

Through Hologram Universe Theory, physicists came up with a hypothesis where the world of which humans live in may be two dimensional. They believe that the area of the world's fundamental truth exists where we humans cannot see. It seems to have many resemblance to the tale of Plato's cave. They argue that the quantum information existed before the Big Bang. The 'information' here does not represent the information about existence or appearance of an object recognizable by humans or information that can be recognized and categorized but rather the fundamental information forming the universe. For example, though lead and diamond are two very different objects, they are made by each combining atoms called carbon in their own specific way. So, it depends on what quantum information goes into carbon to decide whether the object becomes lead or diamond.

One of the principles that hold together modern physics is that 'the total mass of all quantum information in the universe stays the same.' In other words, assuming there does not exist anything outside of the universe, the universe is isolated - not able to interact with any force outside and therefore the mass of quantum information within the universe does not change, always constant. The interesting part here is that if a person knows all the quantum information that constructs an object, the person can also reconstruct the object. For example, if the lead in the pencil is used on the notebook, the amount of lead left in the pencil is minus the amount used. However if we know all the quantum information about lead in the pencil, the lead can be returned to its original form. This is a phenomenal hypothesis. If this hypothesis is true, the second law of thermodynamics stating that time flows in one direction and an object cannot return to its past state may need some revision. The direction of time may not change but objects being able to return to their past state can tell a lot. To list everything would be too cautious and difficult, but this hypothesis of the fundamental information seems like something to think about, especially for me, who is curious about existence.