

Hologram

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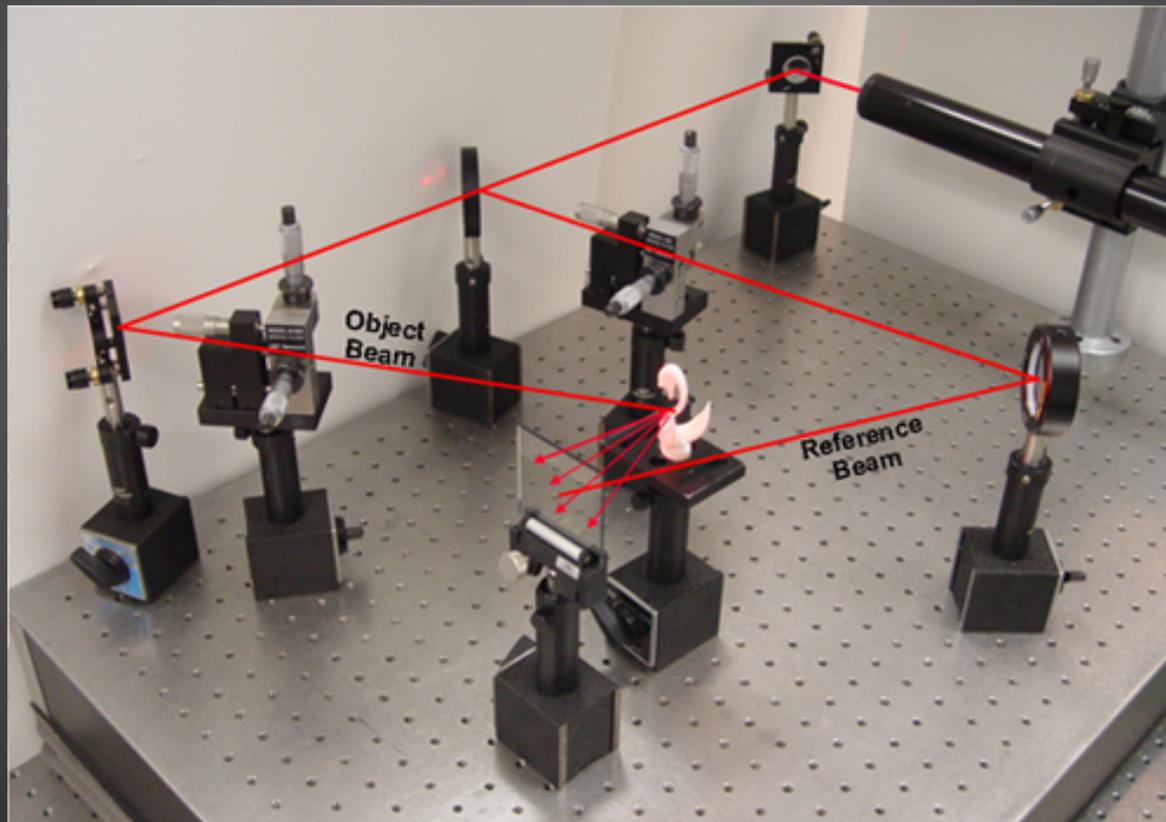
Artst 130 W 2012

Hologram

- a technique that allows the light scattered from an object to be recorded and later reconstructed so that when an imaging system (a camera or an eye) is placed in the reconstructed beam, an image of the object will be seen even when the object is no longer present. The image changes as the position and orientation of the viewing system changes in exactly the same way as if the object were still present, thus making the image appear in three dimensions.

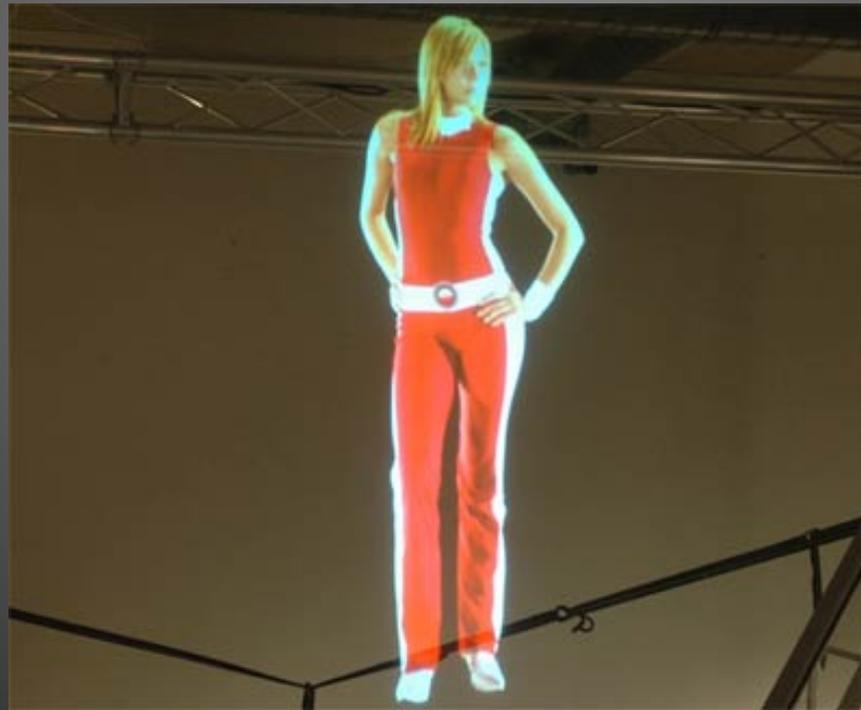
How holography works

- Record



How holography works

- A hologram represents a recording of information regarding the light that came from the original scene as scattered in a range of directions rather than from only one direction, as in a photograph. This allows the scene to be viewed from a range of different angles, as if it were still present.



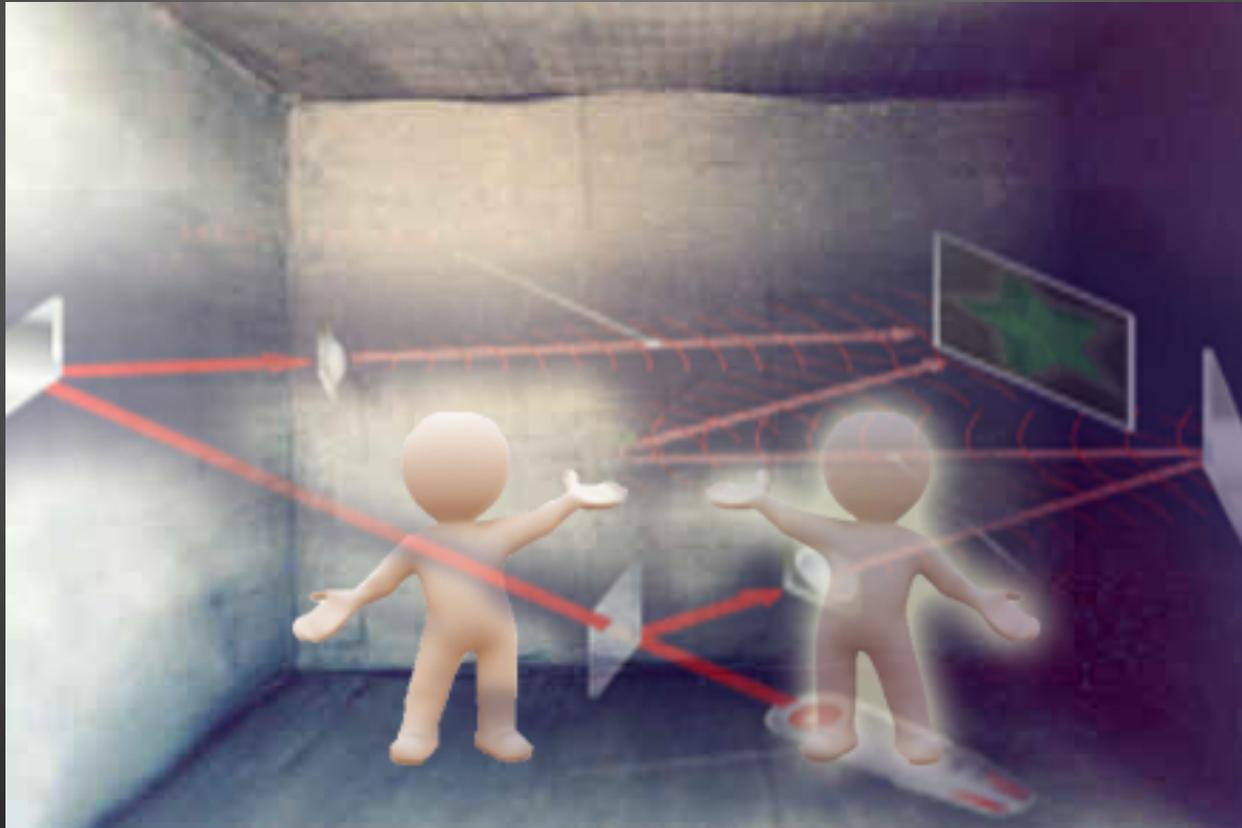
Holography vs. photography

- A lens is required in photography to record the image, whereas in holography, the light from the object is scattered directly onto the recording medium.
- A holographic recording requires a second light beam (the reference beam) to be directed onto the recording medium.
- A photograph can be viewed in a wide range of lighting conditions, whereas holograms can only be viewed with very specific forms of illumination.



My idea: TSK TSK TSK

- Set up a dark gallery space with all the equipments needed for recording and projecting hologram.



Concepts

- In each culture, there are a difference between public space and private space.
- Even though present in a public space, one would keep a distance while interacting with another person.
- How would it feel when someone violates one's private space and action?
- Also, how would the environment effect it?

Concepts

- In different culture, the distance people keep from interacting with others is different.
- This project is to represent the awkward moment when interacting with someone that acts differently from the community.



Inside the space (1 person at a time)



Interacting with audience

- One audience enter the space at a time
- It is going to be a dark space that you can only see the entrance and exit.
- The hologram recorder records whatever the audience do and project it very close to the audience following the movement of the participant.
- It would create a feeling similar to horror haunted houses.

Inspiration

- It is inspired by Vito Acconci's *Following Piece*, 1969



Conclusions

- When someone is obviously following another person around, it is very annoying and creepy.
- It can also show how culture has affect the way we see public vs. private.
- Did the audience get frighten? Or annoyed?

Reference

- http://en.wikipedia.org/wiki/Holography#Complex_objects
- <http://science.howstuffworks.com/hologram1.htm>
- <http://science.howstuffworks.com/hologram.htm>
- <http://hosting.zkm.de/ctrlspace/d/texts/01?print-friendly=true>