

Tomas Navarro



Self-invented methodologies for holographic 3d display

Definition:

Projected volume that "floats" in a saturated air medium (cold mist);

can be surrounded and touched;

is an optical illusion that allows the audience to perceive a 3d representation in photographic form avoiding any solid surface of projection.

Prototype 02/04/2012:

- Achieved a photorealistic bust that offers a 120 degrees viewing angle.
- 5 projectors.
- 5 photos, divided into several levels of depth and printed on acetate.
- Ultrasonic humidifier, generates a cold mist column, channeled using a 12v fan and a simple tubular device.







PROJECTION

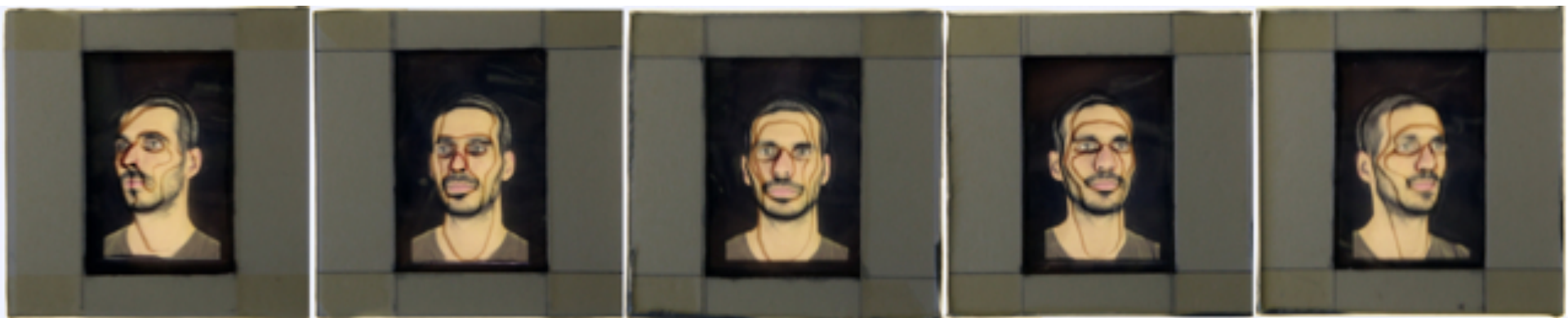


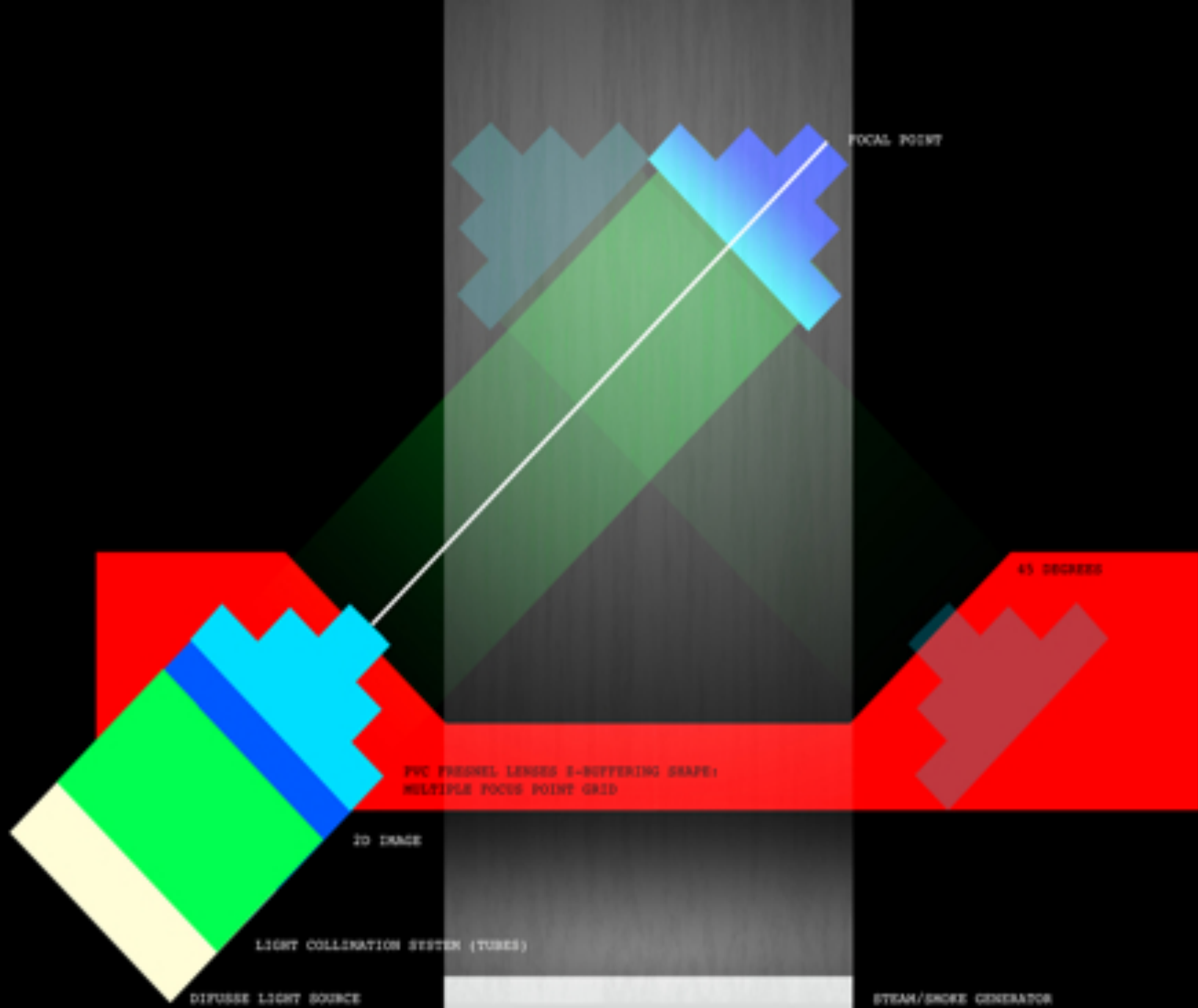
OBJECT

Z_BUFFERING

PHOTOGRAPHY

SOURCE OF LIGHT







What's next?:

- Discard movement (zoetrope)=>>
- 360 hologram.
- Refraction issues.
- Content: skull (to be discussed =>> substance, thesis).
- Prototyping final device for 6th July.
- Funding and keep working on movement, interactivity and real-time broadcasting.

