



Interface

Media,
Digital,
Kinetics,
Interactive Artist:

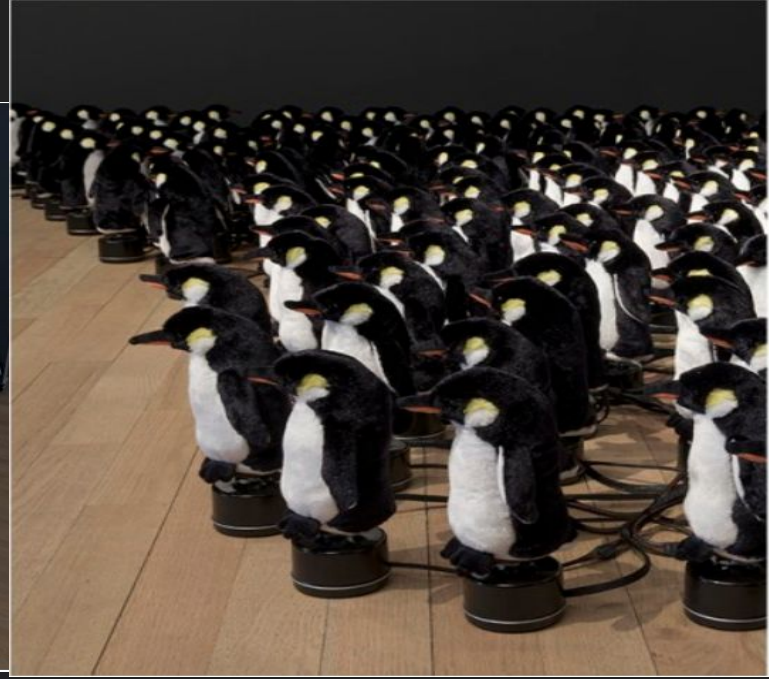
Daniel Rozin

Presented by
Jiyeon(Michelle) Kim



<https://www.youtube.com/watch?v=QlrnjfLkTI>

Penguins Mirror



This is an interactive art that's operated by sensors and motors.

It doesn't reflect the things like a regular glass mirror, but when the audience walks past the penguin mirror, the penguins turn around. Penguins reflect on their movements, so they are called 'penguin Mirrors.'



Penguin mirror (2015) material used:

450 stuffed animals, motors, control electronics, xbox kinect motion sensor, mac-mini computer, custom software, in bases Dimensions variable.

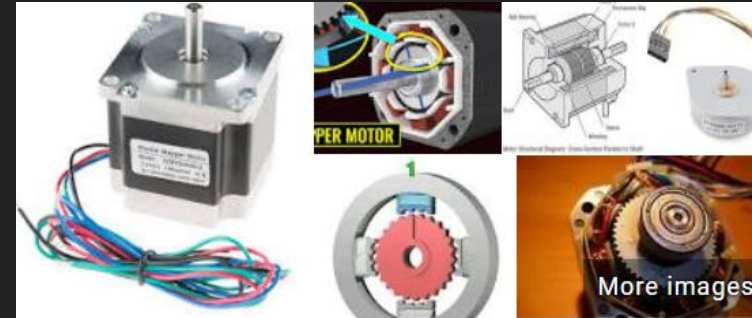
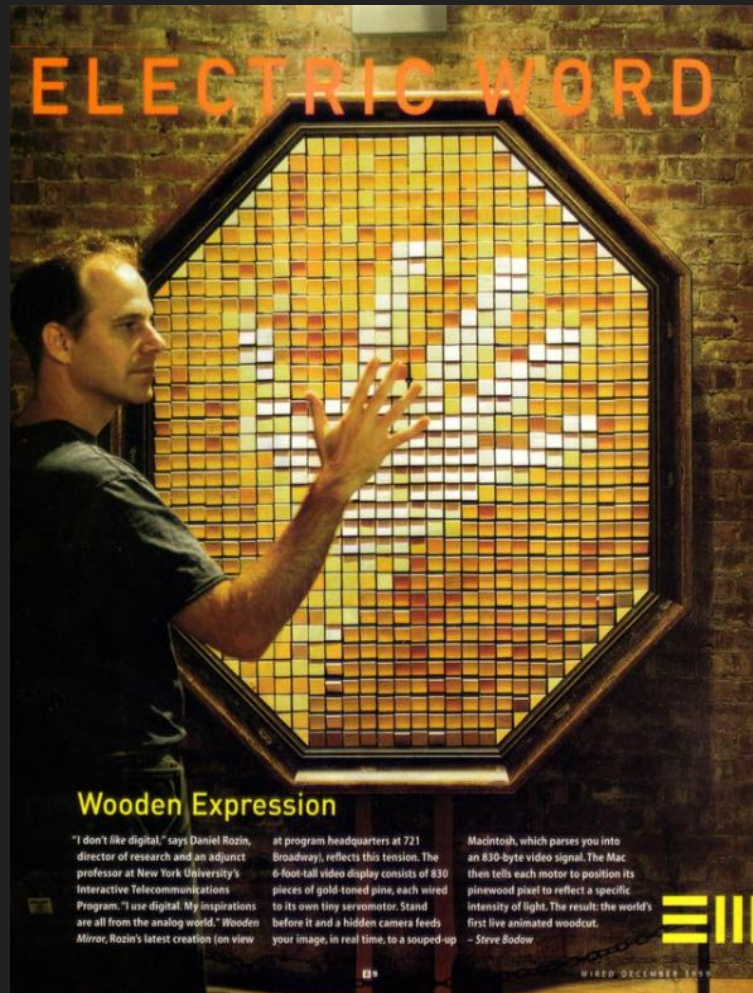


<https://www.youtube.com/watch?v=2Uf60sGAL6o>

- Making film, progress. Final result at the end.

Wooden Mirror

The 'Wooden Mirror', first attempted in 1999, is controlled by a **stepping motor** to allow hundreds of tile-shaped pieces of cedar to rotate. Each piece of wood moves like a card stunt, creating a mirror image of the person in front (reflecting).



Stepper motor

A stepper motor, also known as step motor or stepping motor, is a brushless DC electric motor that divides a full rotation into a number of equal steps. [Wikipedia](#)



1. https://www.youtube.com/watch?v=1ZPJ0U_kpNg (1999)
2. <https://www.youtube.com/watch?v=VOM15Q82NOI> (2015)



“Wooden Mirror” (1999)

- 830 square pieces of wood, 830 servo motors, control electronics, video camera, computer, wood frame. Size: width 67 * height 80 * depth 10.
- A camera hidden behind a wooden tile delivers an image of the target to the computer in real time, and the image is transformed into an image signal. The software that he designed himself, sends many splitted pixels(geographic image pixel) back to the stepping motor. Then the tiles reflects and move according to the image and following the movement of the audience in front of him.

About his work



https://www.youtube.com/watch?v=0o_9CHYeRvI

More about Daniel Rozin and his series of mirror



1. <https://www.youtube.com/watch?v=esAZyYbOWyk> Daniel Rozin interview and work progressing
2. <https://www.youtube.com/watch?v=kV8v2GKC8WA&t=81s> WIRED_short documentary and interview.