

Elements of IM System

OUTPUT

OUTPUT

ROUNDS UP THE PROCESSED INPUT INTO A MEANINGFUL OUTCOME

NEEDS TO BE:

- COMPREHENSIBLE
- REVELATORY
- ENGAGING FOR REFLECTION AND OPTIONAL FURTHER INTERACTION

CAN BE:

- SURPRISING
- CHALLENGING / PROVOCATIVE

SOME EXAMPLES



David Bowen - 2014 - Cloud Piano

Concert piano + playing mechanism + sound.



Daito Manabe - 2009 - Face Visualizer

Human face + ME actuators – powerful.

Useful with Instagram and SM facial filter hacking.



Kenichi Okada - 2010 - Peeping Hole

Static image pseudo-animated by eye-tracking.



**REFACE:
Portrait Sequencer
Tmema / 2007**

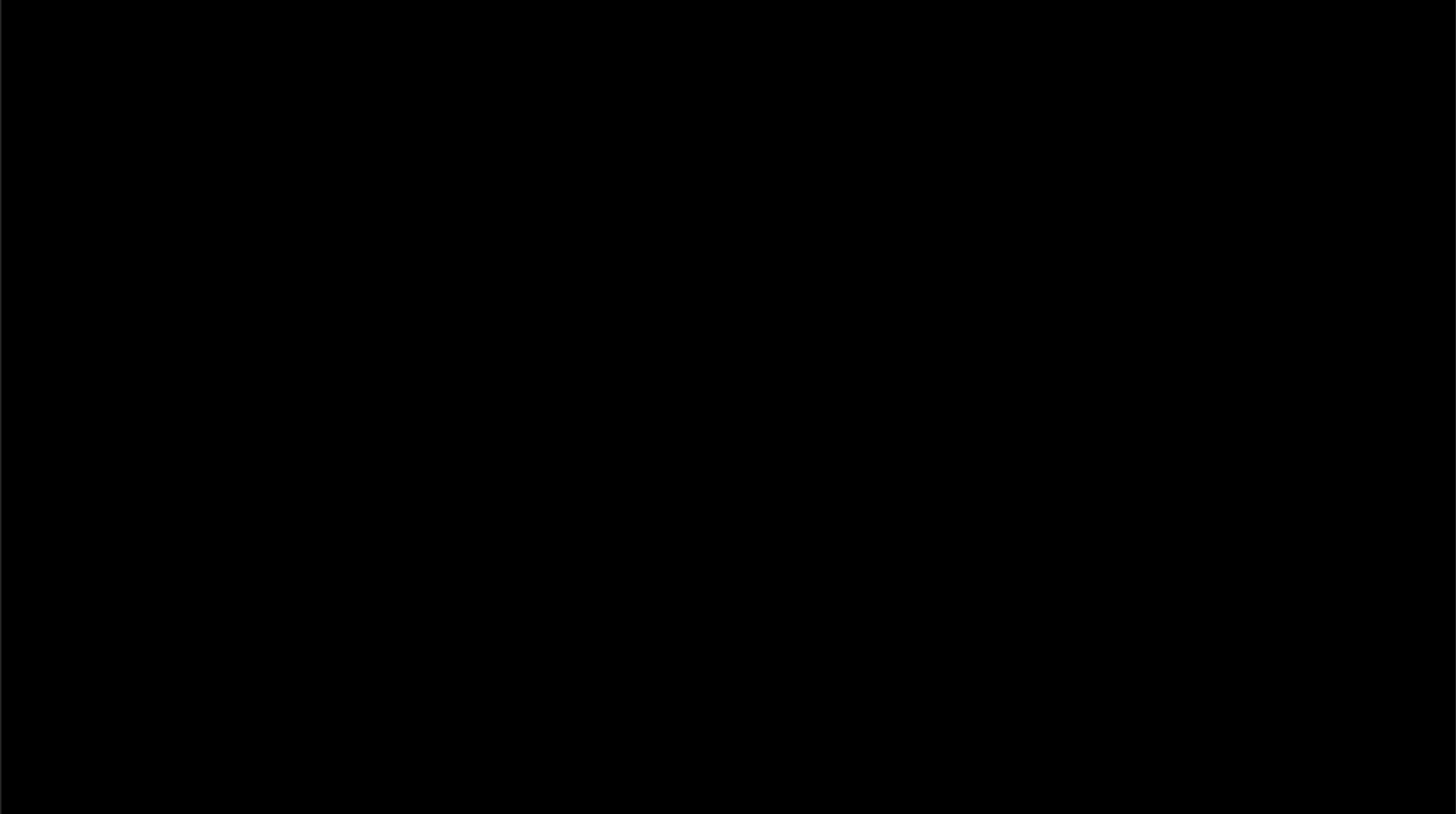
**Golan Levin & Zachary Lieberman - 2007-2010 - Reface (Portrait Sequencer)
Complex video compositing on a screen. Self-contained IM system. Intuitive.**

tele-present water

David Bowen - 2011 - Tele-Present Water

Kinetic sculpture animated by the wave data

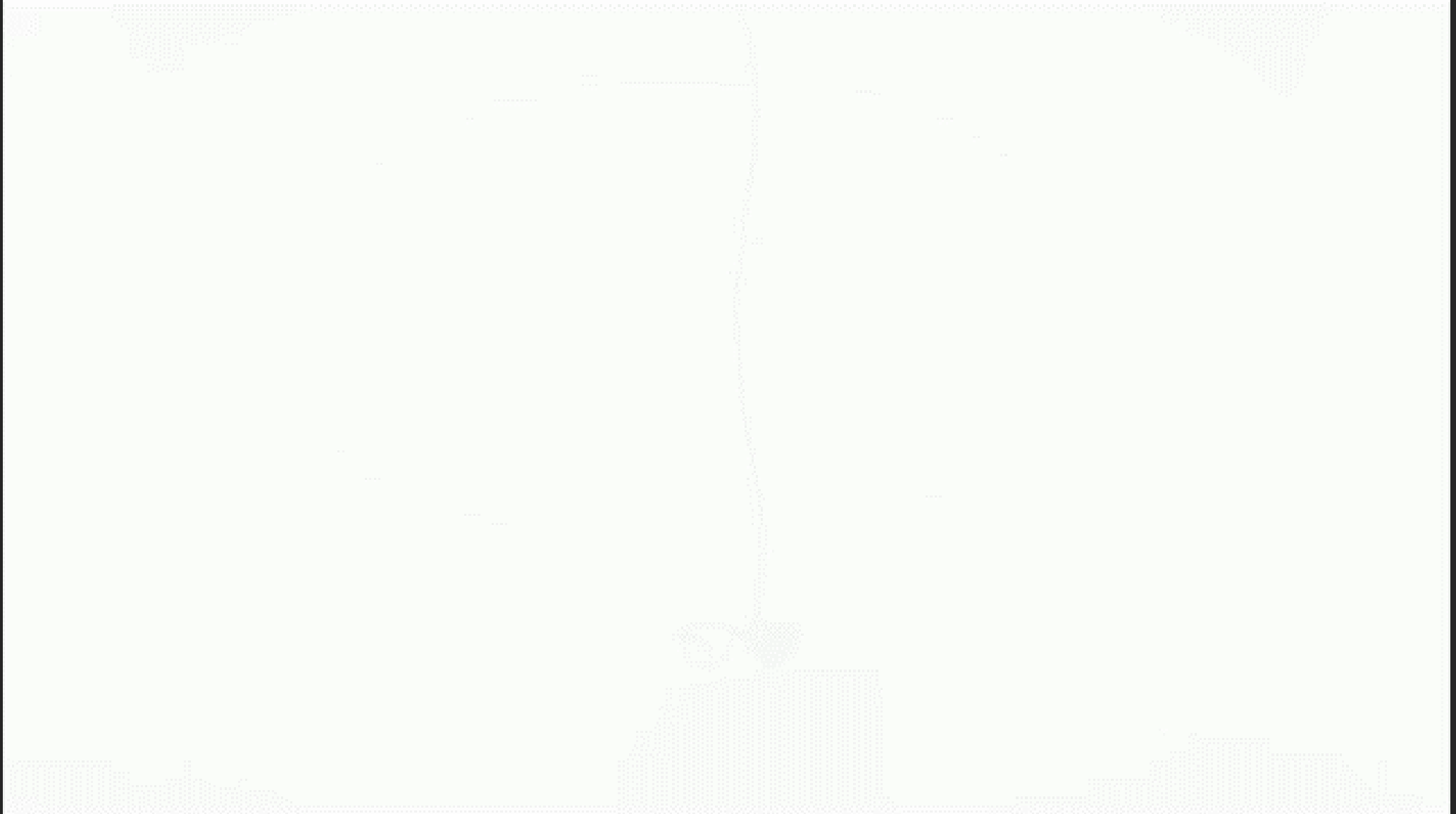
(from National Oceanic and Atmospheric Administration data buoy station 51003).



Lisa Park - 2014 - Eunoia II - Mental performance for sound and cymatics

Performer's body (and mind) + sound via 48 speakers + cymatic water.

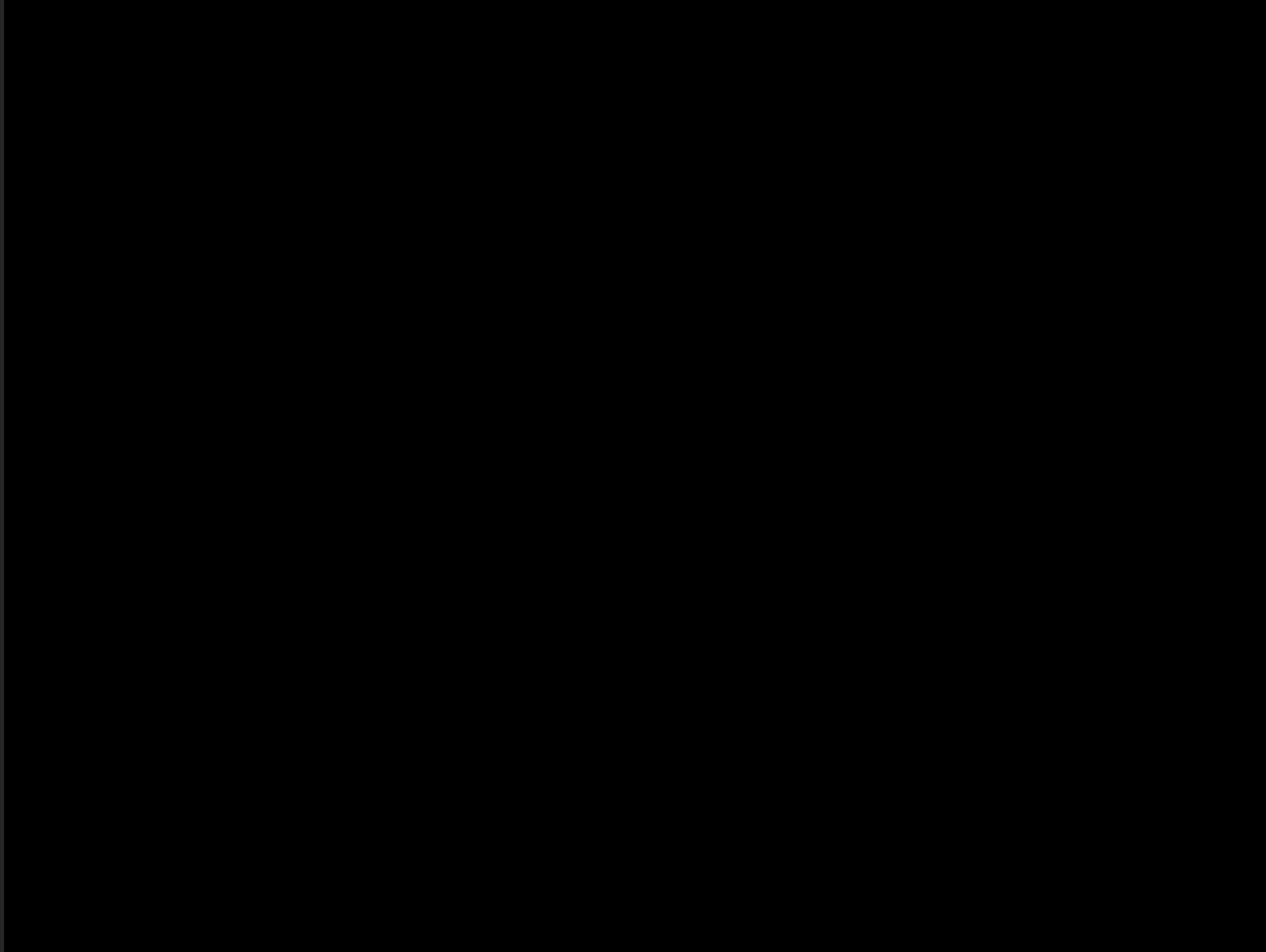
Ambience and spectacle, abstract, requires contextual knowledge or curiosity.



Michal Kohút - 2010 - 0,1

Lights in the room. Blinking lasts 100-400ms, happens about 10 times per min.

Abstract but powerful.



Rafael Lozano-Hemmer - 2008 - Pulse Park

200 spotlights in the park.

Spectacular, large scale, abstract, requires contextual knowledge or curiosity.



Rhizomatiks Research (Daito Manabe), Elevenplay DC & Kyle McDonald - 2019 - Discrete Figures

Dance + sound + various types of stage projections (IR screens, drones) + AR/VR = Spectacular.

State of the art IM research.

TAKEAWAYS

• **FORMAL, MATERIAL AND PROCESSUAL/PROCEDURAL ELEMENTS**

CRUCIAL FOR DEFINING THE EXPERIENCE AND THE AMBIENCE:

- WHAT IS HAPPENING

- HOW (DOES IT LOOK/FEEL)

- TO WHOM

- WHY

• **DESIGN AND FUNCTIONALITY OF THE IM SYSTEM**

COMBINES WITH CONTEXTUAL, EXTERNAL AND SUBLIMINAL FACTORS

• **EXPLICIT OR INTUITED LOGIC OF THE INTERACTION**

PLAYS A STRONG ROLE IN THE EFFECTIVENESS AND SUCCESS OF IM SYSTEM

**WIDE SPECTRUM OF FORMAL, MATERIAL AND PROCESSUAL/PROCEDURAL
POSSIBILITIES**

CONSTRAINTS AND CONDITIONS:

- 1. COGENCY OF THE CONCEPT, THEME AND AIM OF IM PROJECT**
- 2. TECHNICAL (AVAILABILITY, SKILLS, TIME...)**
- 3. FINANCIAL**
- 4. IMAGINATION**

