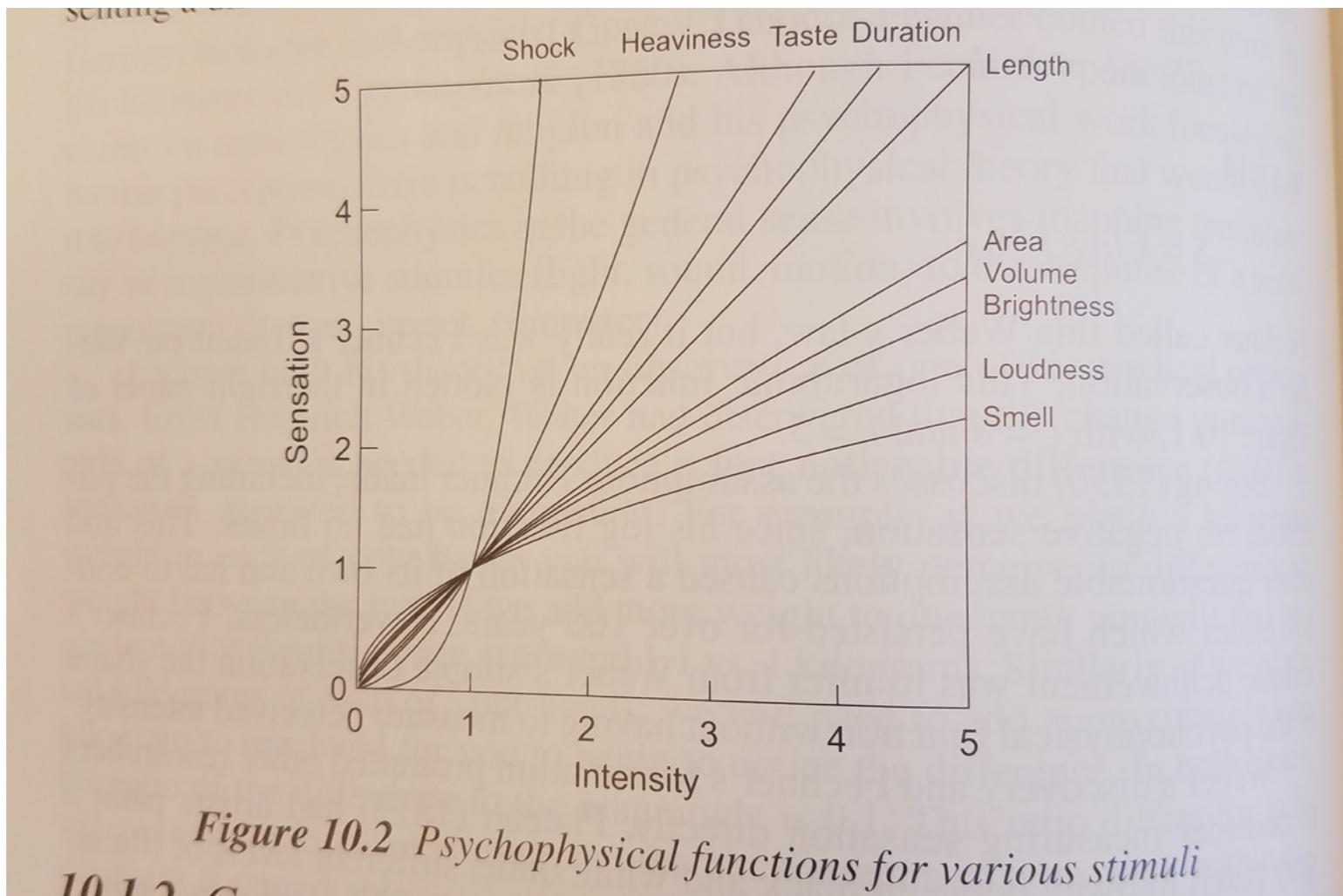


# lecture 16: weird “visualizations” sound, touch, taste, smell

December 4, 2017



sound (sonification)

# A Decade of U.S. Home Prices

$\text{♩} = 240$

Planet Money

The musical score consists of five staves of music, each representing a year from 1 to 13. The music is written for a bassoon or similar instrument, using a bass clef and a 4/4 time signature. The tempo is marked as  $\text{♩} = 240$ . The notes are primarily eighth notes, with some sixteenth-note patterns. The score shows a general upward trend in pitch and complexity over time, reflecting the growth of home prices. The first staff (Year 1) starts with a single eighth note. Subsequent staves add more notes and introduce rests and accidentals like flats and sharps.

1

4

7

10

13

Jess Jiang/Case-Shiller home price index

# One Race, Every Medalist Ever

Usain Bolt's 9.63 set an Olympic record in the 100.

So how far ahead of every Olympic medalist is he?

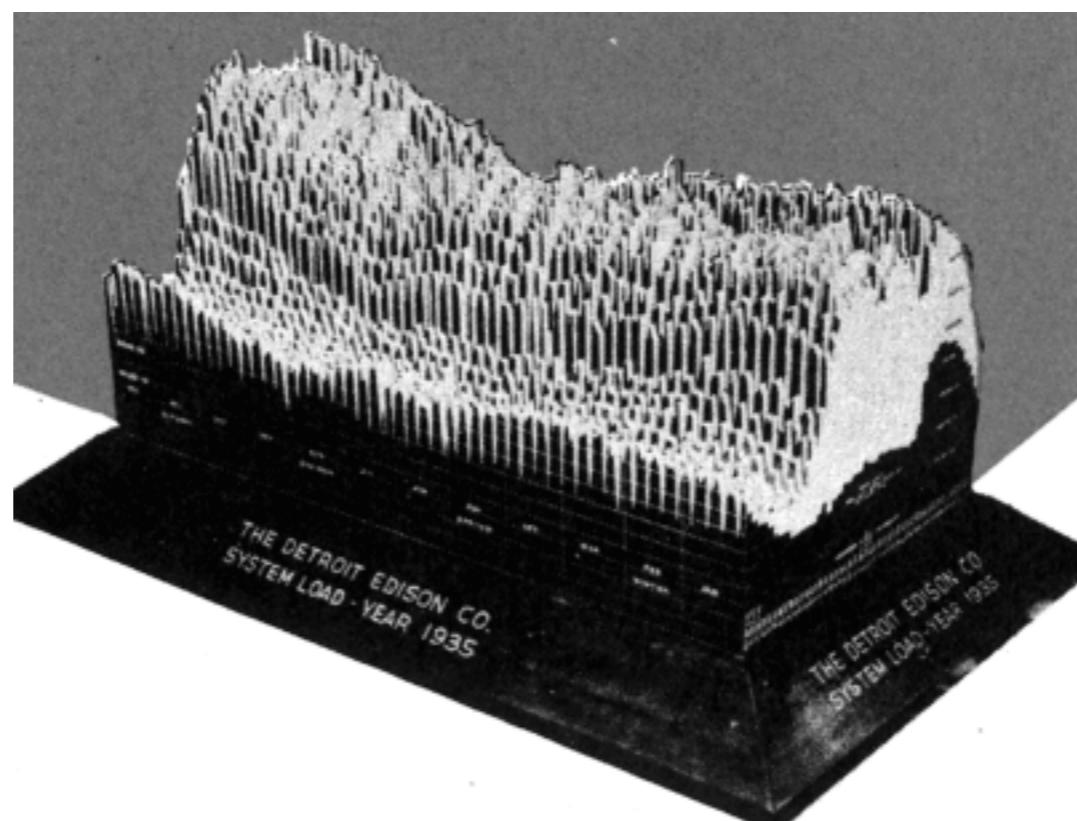
By KEVIN QUEALY and GRAHAM ROBERTS

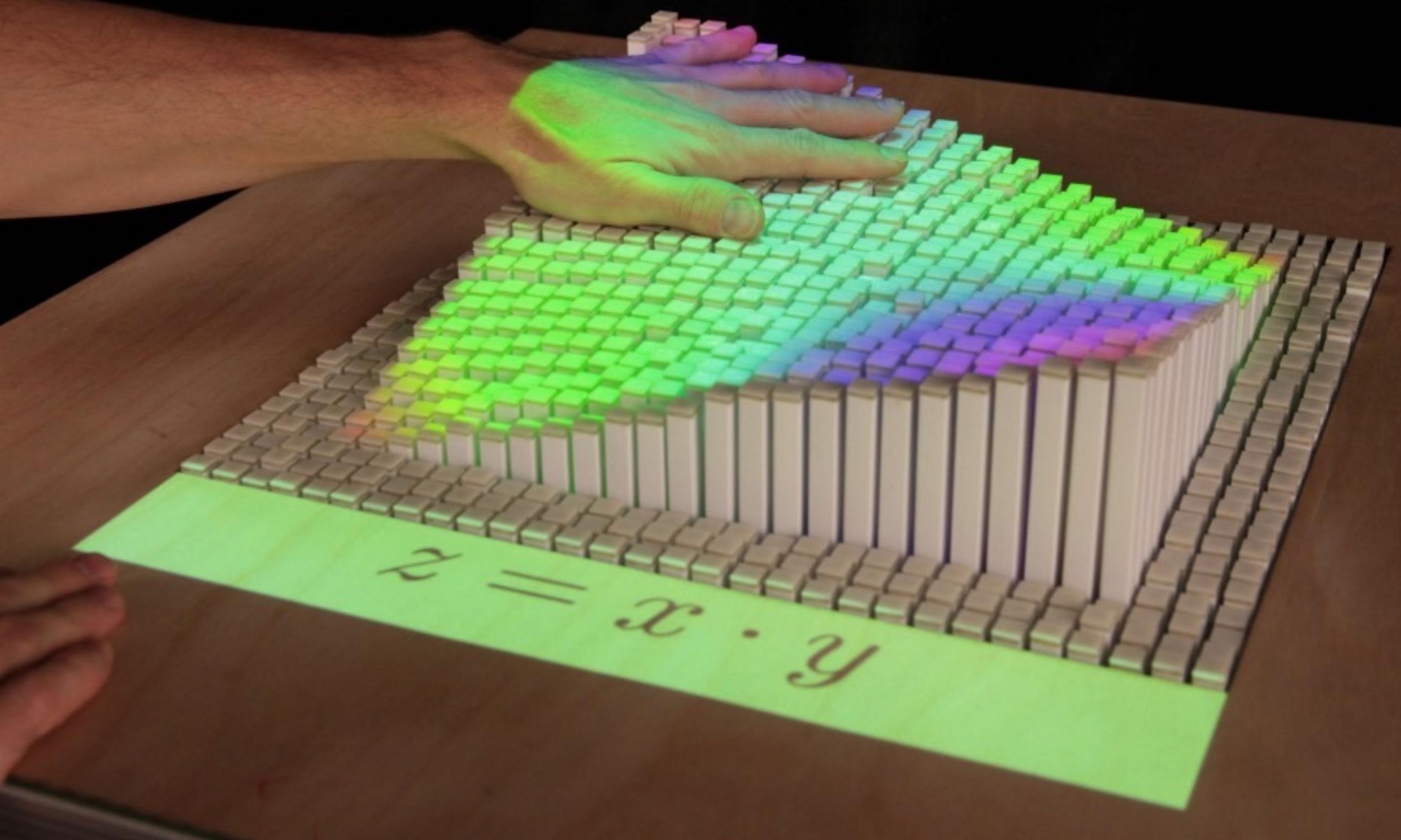


touch (physicalization)



5500 BC – Mesopotamian Clay Tokens <http://dataphys.org/list/mesopotamian-clay-tokens/>







taste (tastification?)



Eurogums are edible population pyramids of the 28 EU member countries. Whereas 27 countries taste cherry-sweet, the UK Eurogum is rather sour, due to the referendum and Brexit.

## Energy mix



In Switzerland, only  
**15%**  
of energy consumed  
comes from  
renewable sources

## A million new friends

Number of fecal coliform bacteria  
in the Boston Harbor

**Summer**

34163

organisms / 100mL

**Winter**

409

organisms / 100mL

**Recreational limits**

34

organisms / 100mL



## Liquid assets

Which parts of the population have access to liquid assets?

95.7%



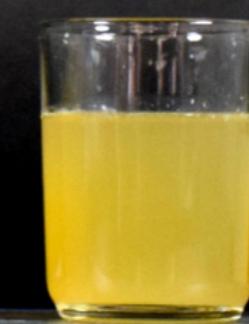
82.6%



84.8%



63.3%



57.2%



**US white**

*Privateer Silver Serve  
Rum*

**US black**

**Caribbean Black**

**Dominican**

**Puerto Rican**

*GrandTen Distilling  
Medford*

*Plantation 5-  
Year Grand  
Reserve*

*Brugal Anejo Superior*

*Bacardi  
Superior*



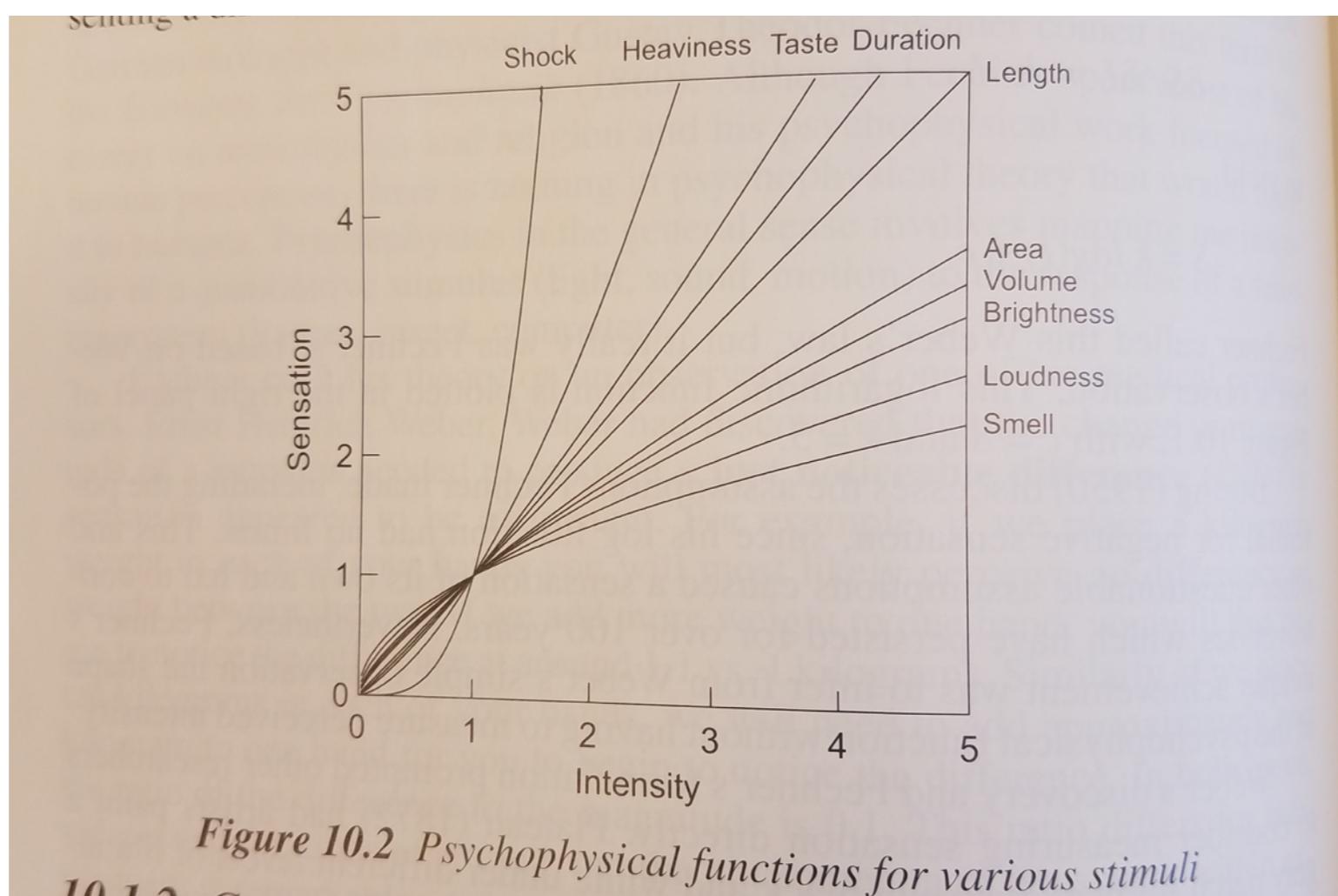
smell (smellification?)



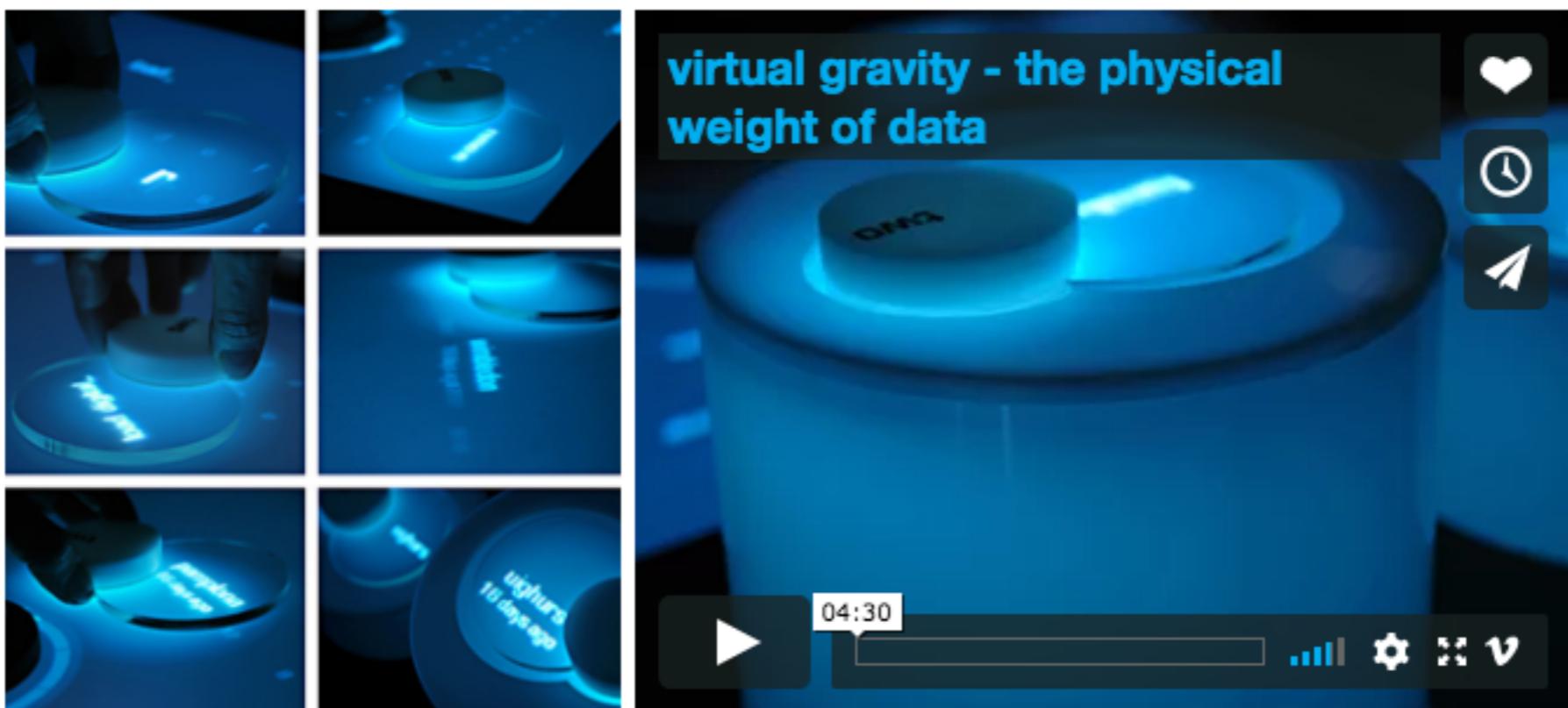


Sissel Tolaas

# Heaviness?



10.1.2 C



# Shock??

