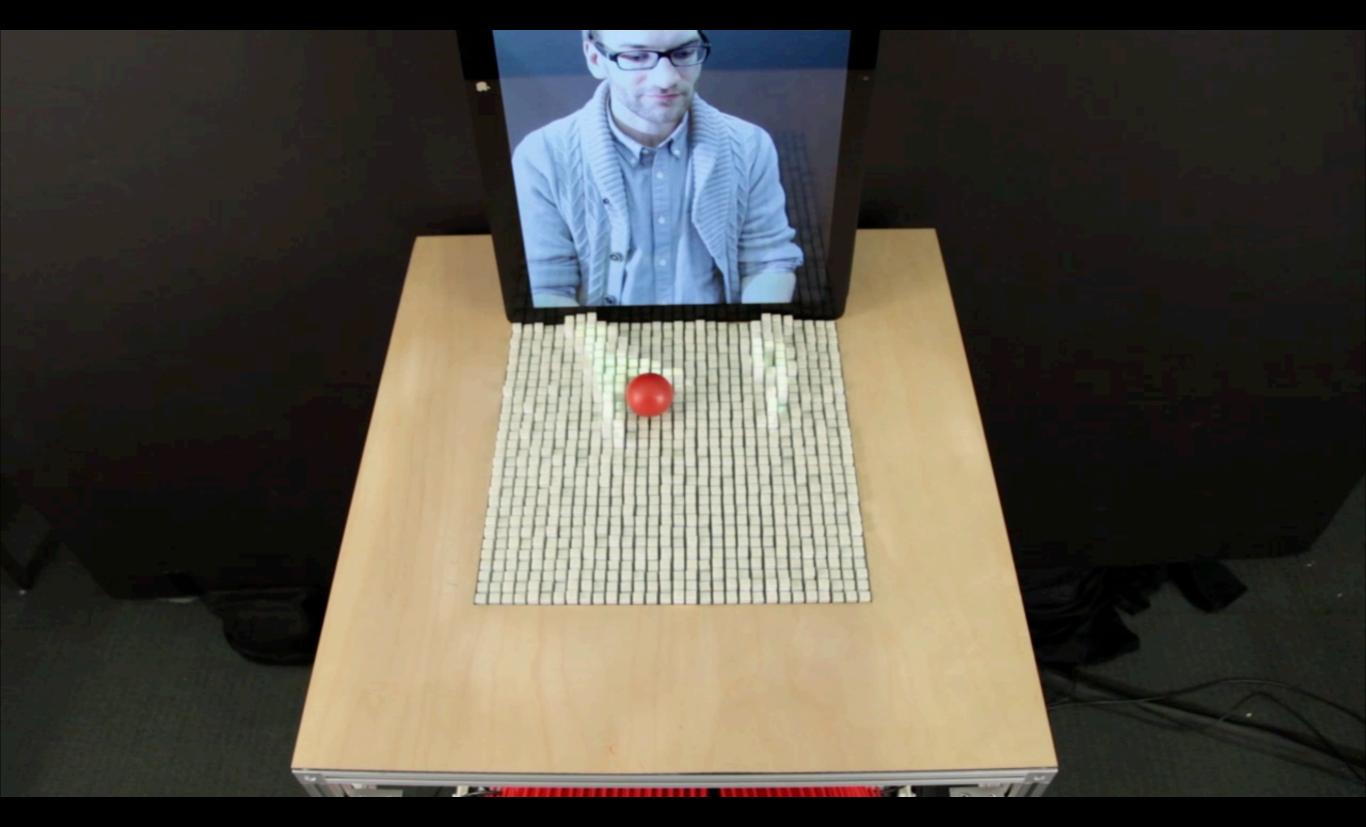


Physical Computing: sensing and controlling the physical world with computers

Dan O'Sullivan and Tom Igoe







TOFI - Mouth Computer Interface

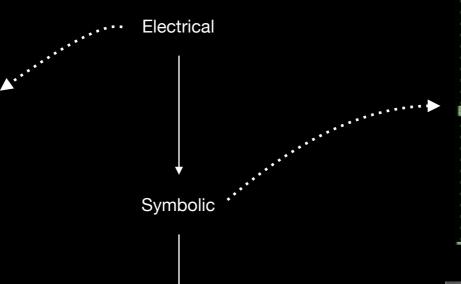


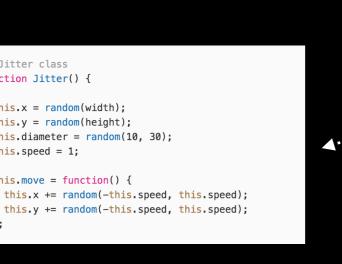


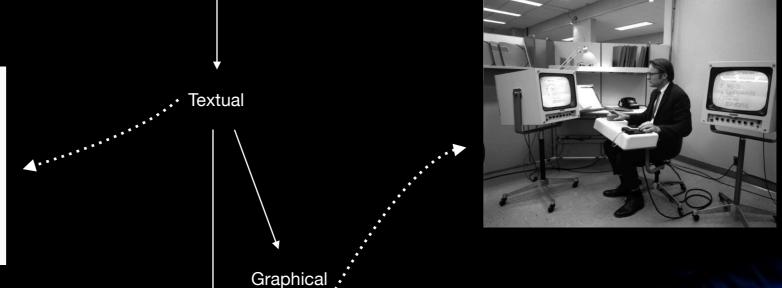
Human Computer Interactions

#\$30 #\$D0









// Jitter class function Jitter() {

this.speed = 1;

this.x = random(width);

this.y = random(height);

this.move = function() {

this.diameter = random(10, 30);

19 20

21

22

23

24 25

27

28 29



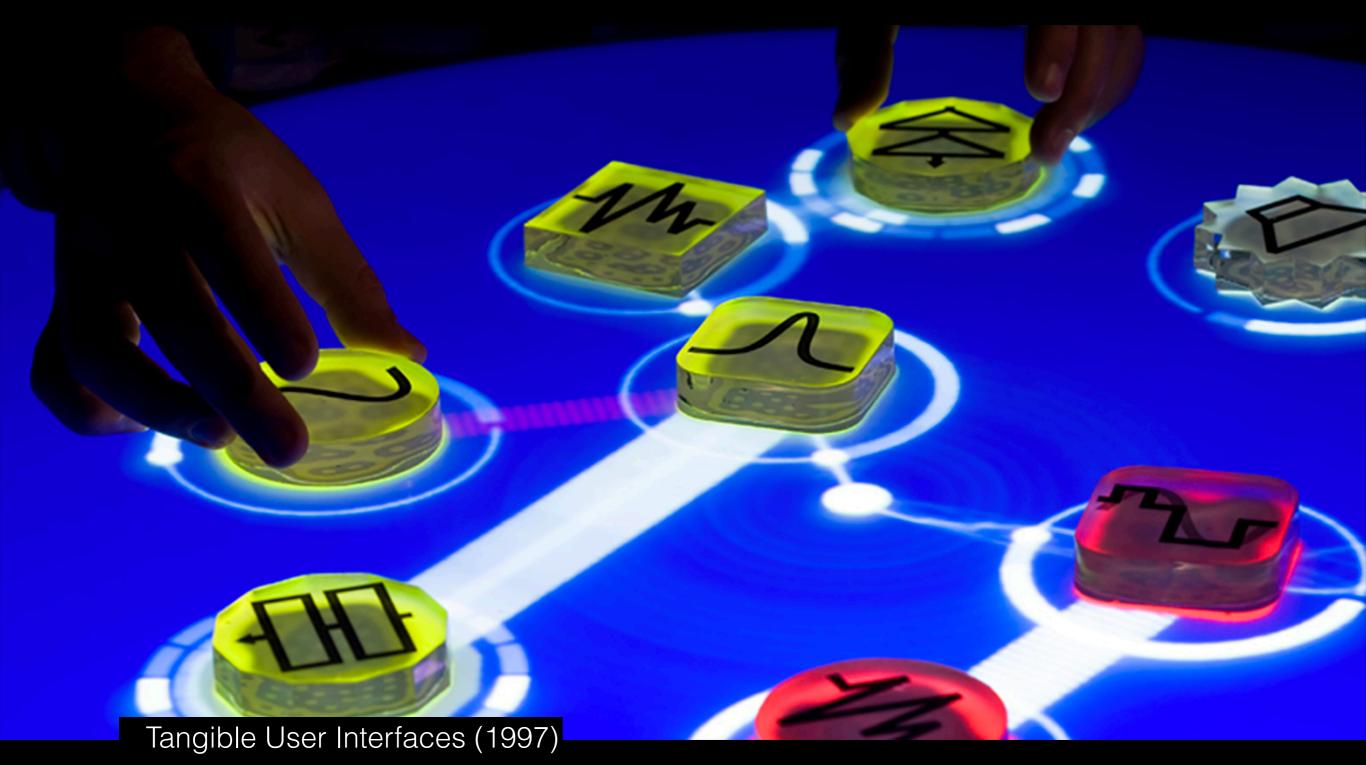


Xerox PARCtab

"Gut Technology is invisible"

Mark Weisser

Ubiquitous computing and IOT (1988)



"Tangible Bits: Towards Seamless Interfaces between People, Bits and Atoms"

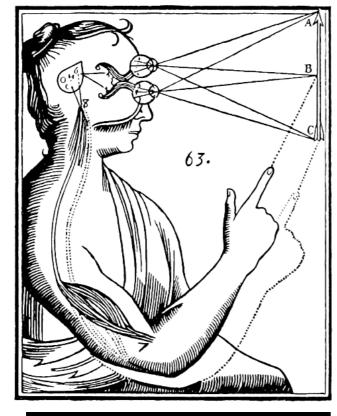
Embodiment



Embodiment Cognition

...brain, body and the environment, and in particular relations between them, are all considered to be part of the cognitive system - part of the mechanism that makes cognition happen Jelle van Dijk

René Descartes, (1596-1650)



Mind-body dualism

Image: J. van Dijk (2013)



Embodiment

Theory of Embodied Cognition

