

Interactive Performance & Technology

Sketch One: Interactive Improvisation

{ Andy, April, Michael, and Sarah





CATEXIS | 2012

By Pablo Palacio
and Muriel Romero

CATEXIS is an interaction between dance
and sound that allows the performer to
compose a piece with his/her movement.

Technology: phonemes, surround
sound speakers, light gestures,
motion tracking

Inspiration

<http://vimeo.com/40523751> | Andy Hurley



- ⌘ Direct space: Point A to Point B
- ⌘ Indirect space: One destination, many paths
- ⌘ Our program should compliment Sarah's improvisation style
- ⌘ Unburdened exploration of space

Direct / Indirect Space



- ⌘ Spinning
- ⌘ Depth
- ⌘ Collision
- ⌘ Speed
- ⌘ Use of high, middle, and low space
- ⌘ Laban's movement

Modes for Interaction

- & Flick
- & Slash
- & Float
- & Wring / Press



Laban's Movement

Warm

Hands emanate objects

Neutral

Cold



- ⌘ Complements both sound and movement
- ⌘ Follows dancer's movement
- ⌘ Subtle and curvy most of the time; desaturated colors
- ⌘ Laban's movements cause striking, angular graphics that momentarily flash on screen; bright colors
- ⌘ Color temperature changes based on high / middle / low space
- ⌘ Tool: Processing(?)

Visual Aesthetics

Desaturated vs. Saturation

Organic vs. Geometric

Brevity vs. Ongoing



Visual Inspiration

maybe



- ⌘ Drum beat is regular but becomes faster as the dancer spins more rapidly
- ⌘ To reiterate, spinning speed affects ongoing sound
- ⌘ Laban's movement triggers a spontaneous sound
- ⌘ Notes change based on high / middle / low space

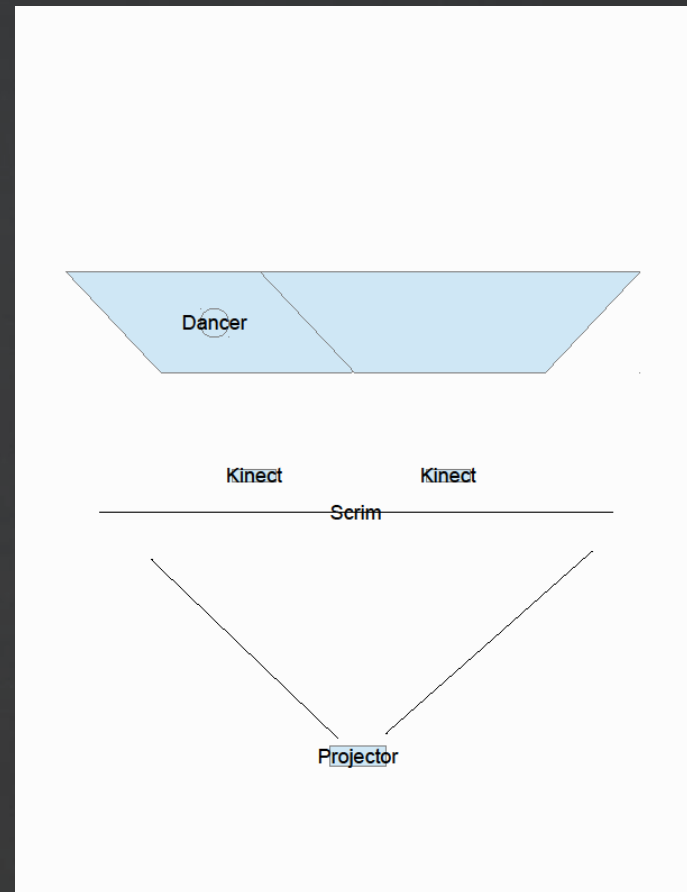
Sound Aesthetics

- ⌘ Scrim in front of Sarah
- ⌘ Kinect between Sarah and scrim
- ⌘ More than one Kinect for larger use of space
- ⌘ Optimize balance of visibility of dancer and graphics



Stage Set-up

- 2 Kinect
 - 2 computers
 - 1 scrim
 - 1 projector
-
- Kinect SDK
 - openFrameworks/Processing



Technical Diagrams

- ⌘ Working prototype with sound and visuals by the end of next week
- ⌘ Final week to polish the program and performance

Schedule

Febrero 2013						
Lunes	Martes	Miércoles	Jueves	Viernes	Sábado	Domingo
 Mueyante 3	 Luna llena 10	 Creciente 17	 Luna llena 24	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			