Stereolux
LABORATOIRE
ARTS & TECHNOLOGIES

JOURNÉE
LEAP MOTION
ET
INTERFACES
GESTUELLES

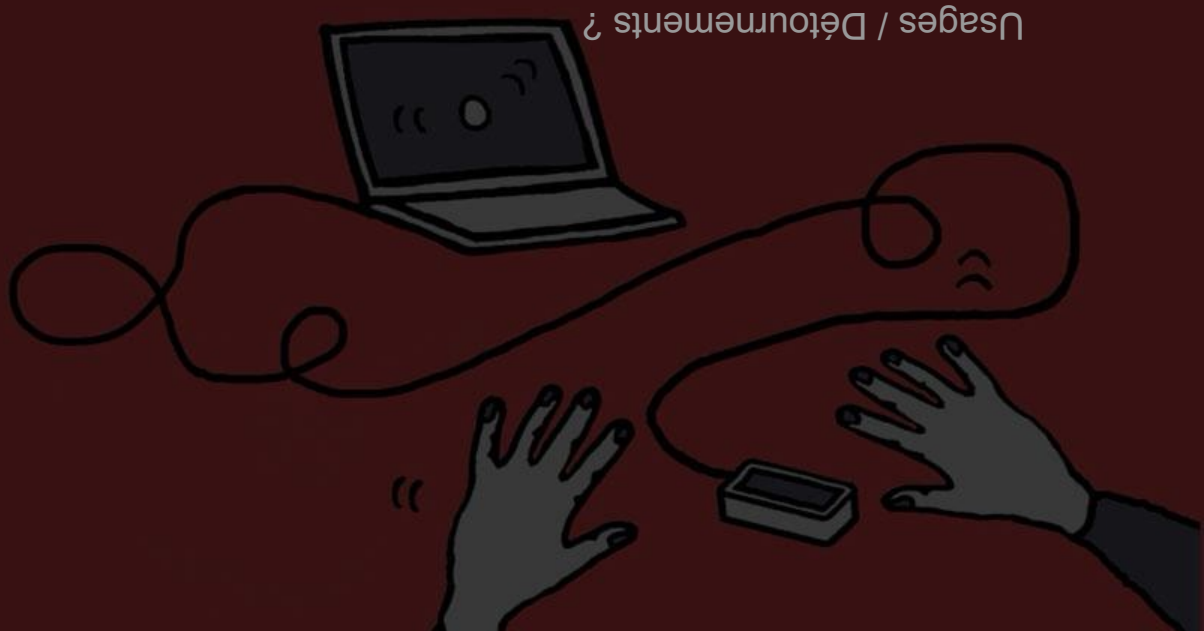


> *table ronde*

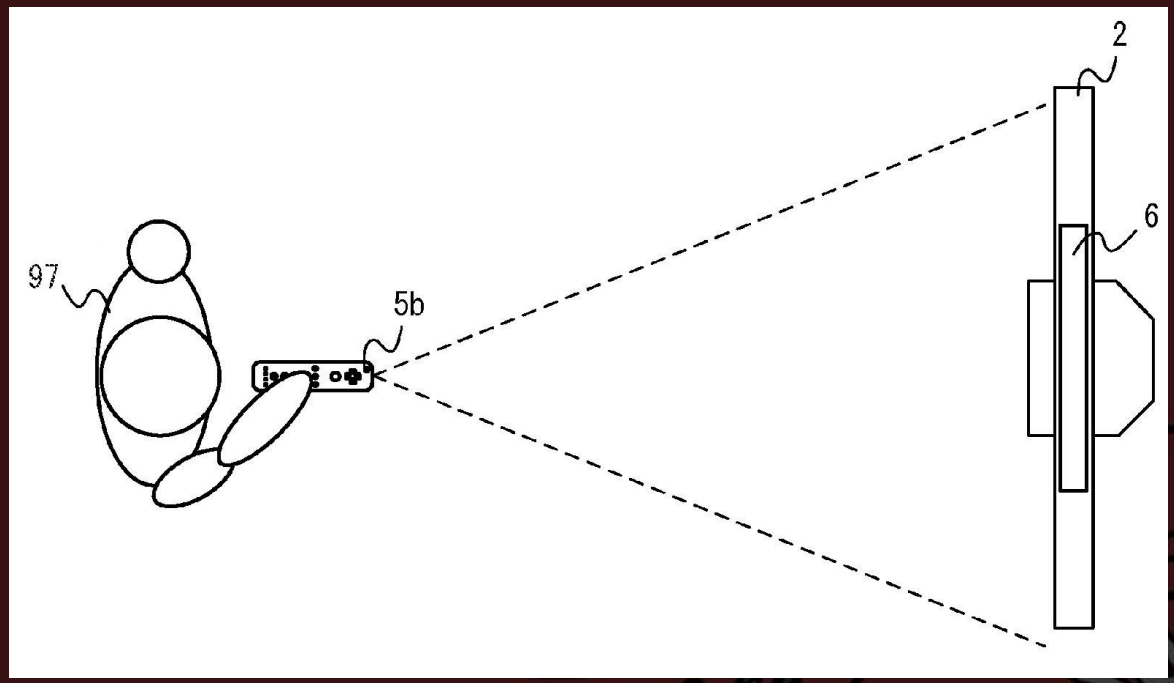


#Contrôleur
#InterfacesNaturelles
#GrandPublic

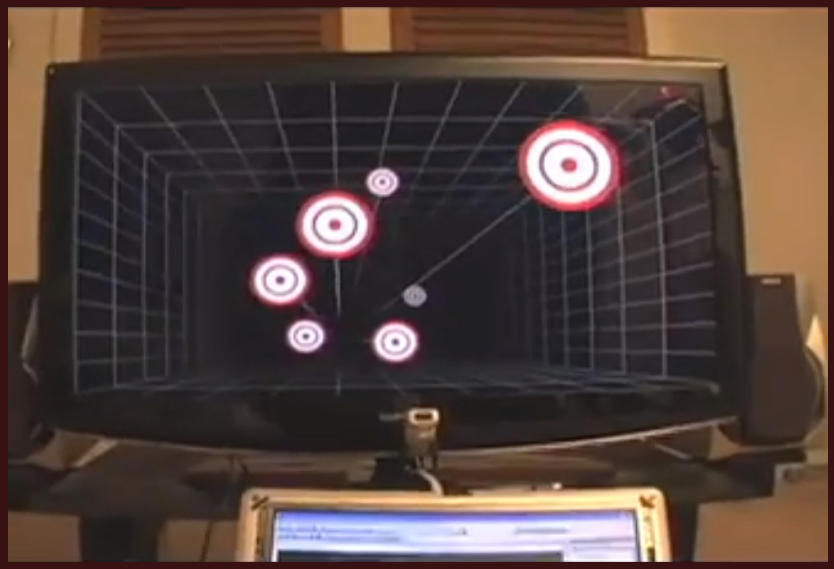
Usages / Détournements ?



2008> Wii



2008> Wii

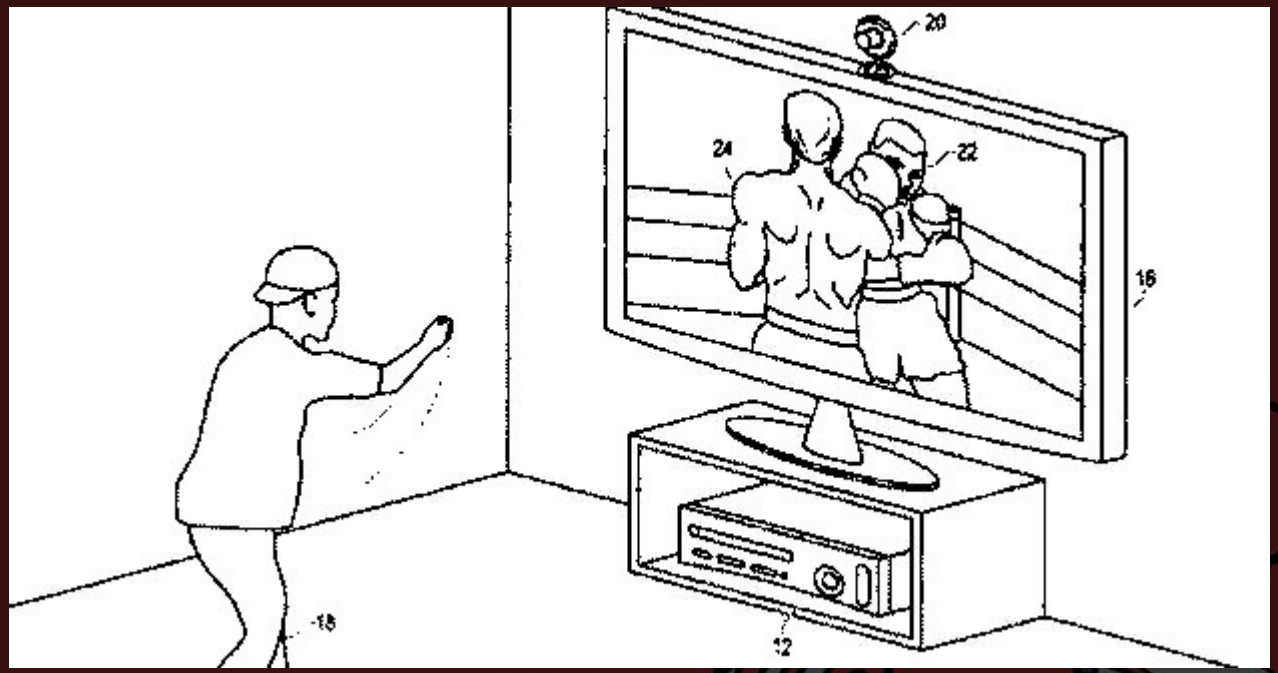


Johnny Chung Lee





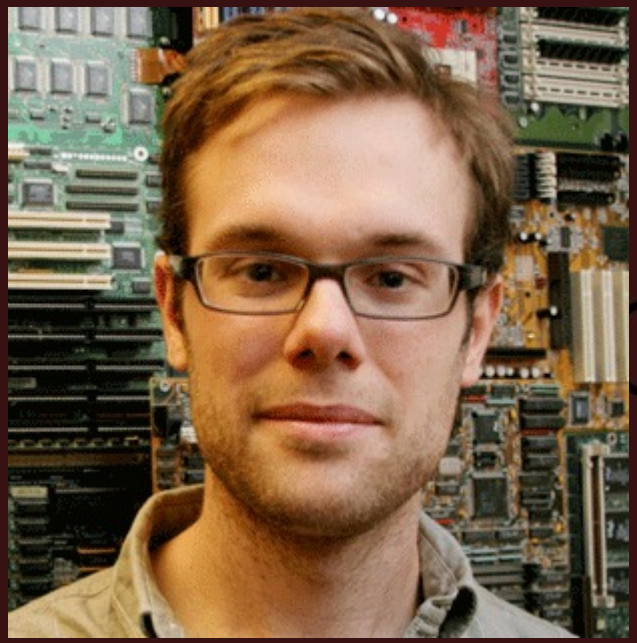
2010> Kinect



2010> Kinect



Chris Harrison

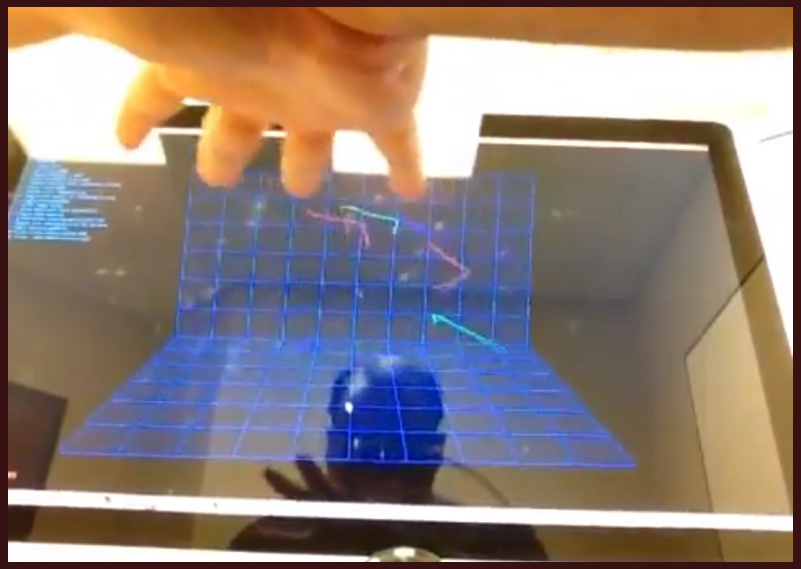




2013> Leap



2013> Leap



Jason Wilkins







Interfaces naturelles
& imaginaire global

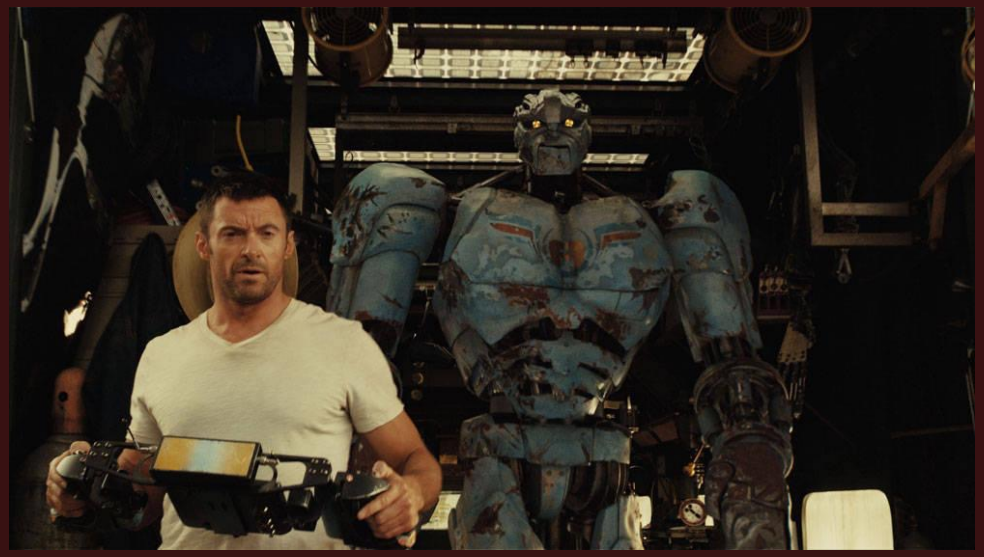




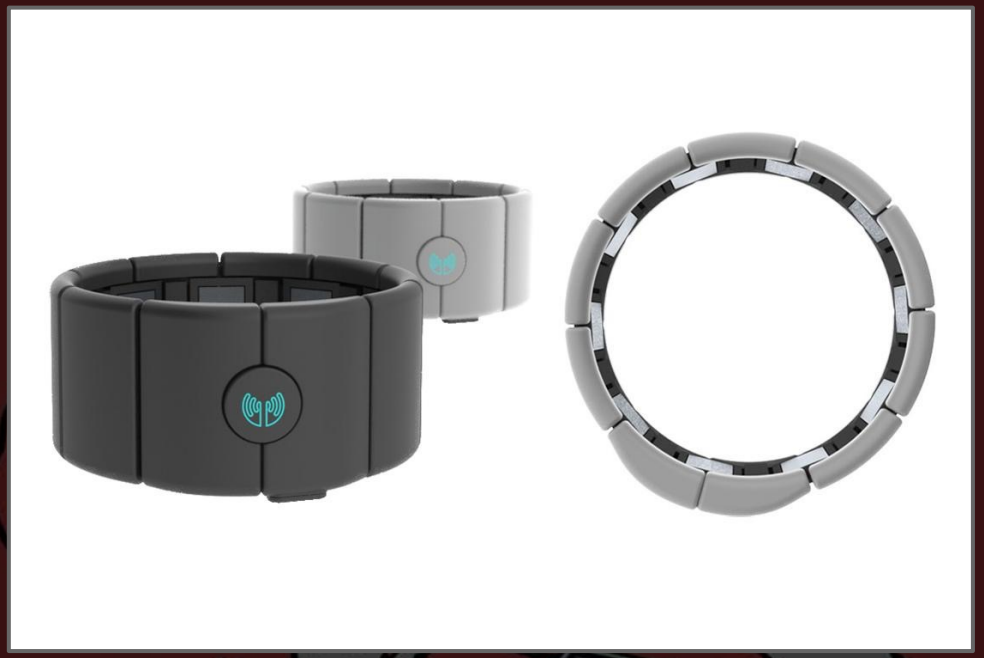
2002>Minority Report



Kinect <2010



2011> Real Steel



Myo <2013



2013>Iron Man 3



Casque Emotiv <2010



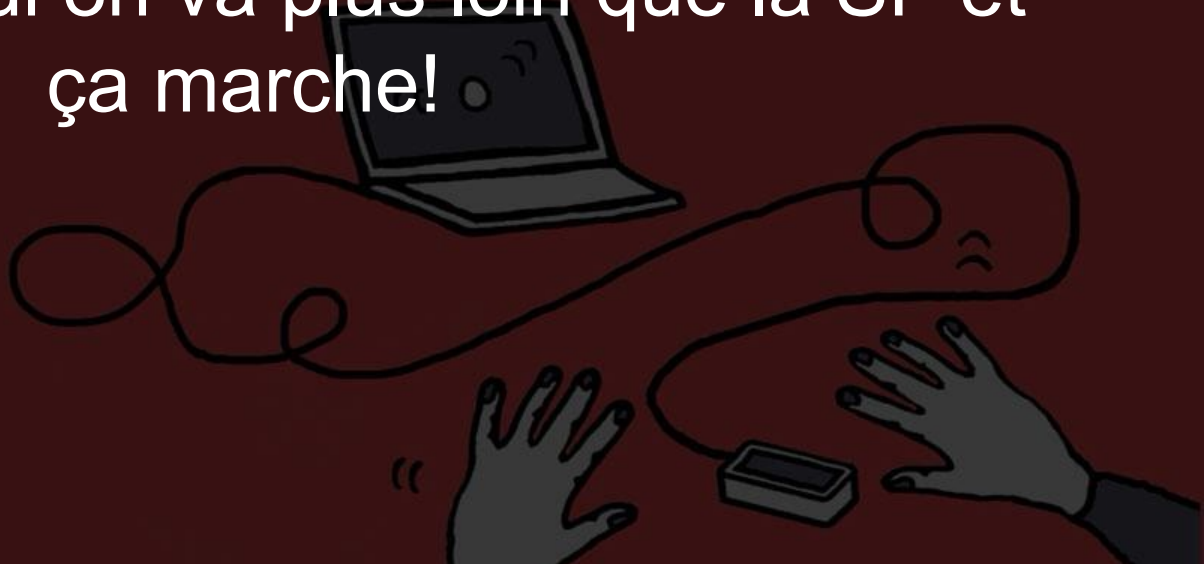
2012>Looper



Leap <2013

Faire comprendre au client que c'est possible

oui, aujourd'hui on va plus loin que la SF et ça marche!



Premier contact

appréhender l'interface gestuelle

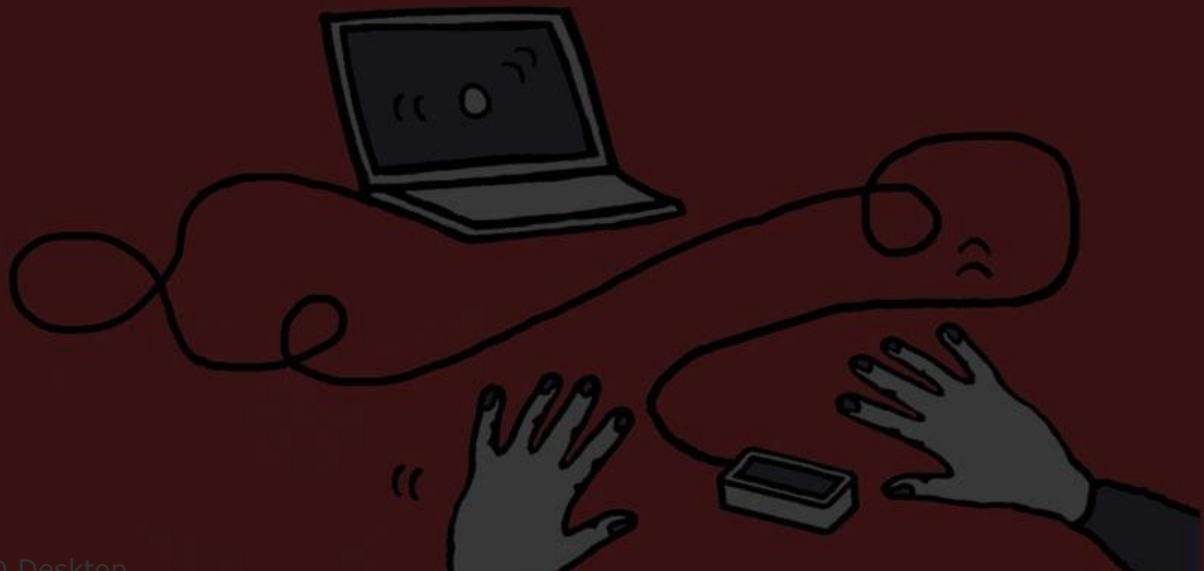
- Où est ce que je met ma main?
- Comment je me positionne?
- Avoir un retour immédiat sinon je m'en vais.





S'approprier la 3ème dimension

à quoi sert l'axe z?



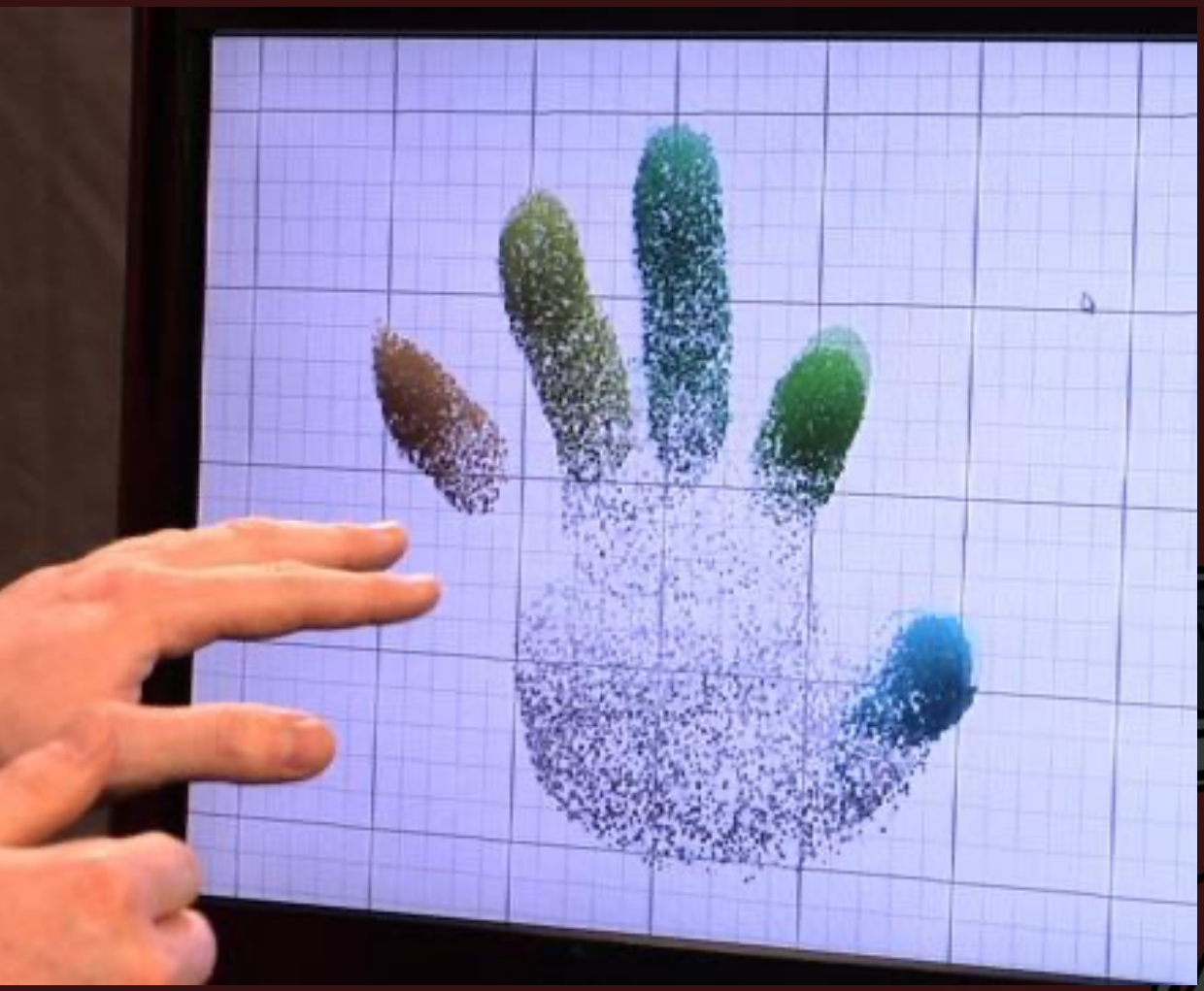




CAPTATION
LANGAGE
INTERPRETATION



CAPTATION



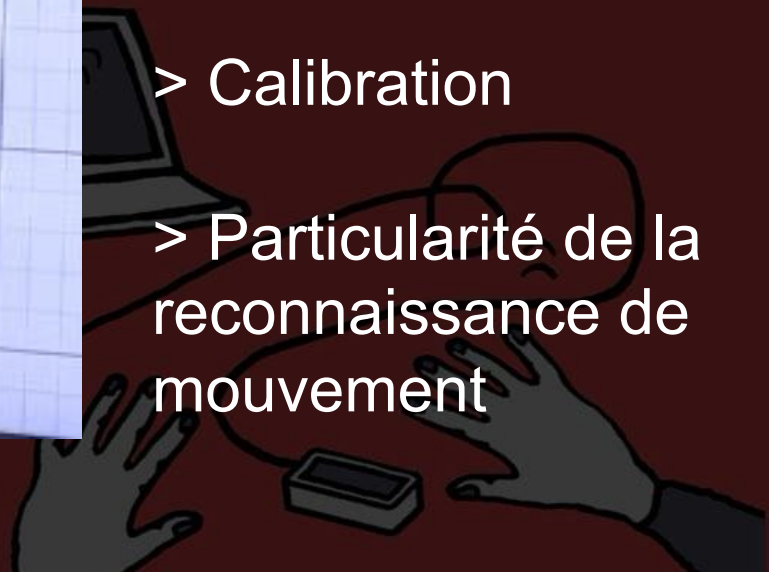
> Finesse mesure

> Volume "utile"

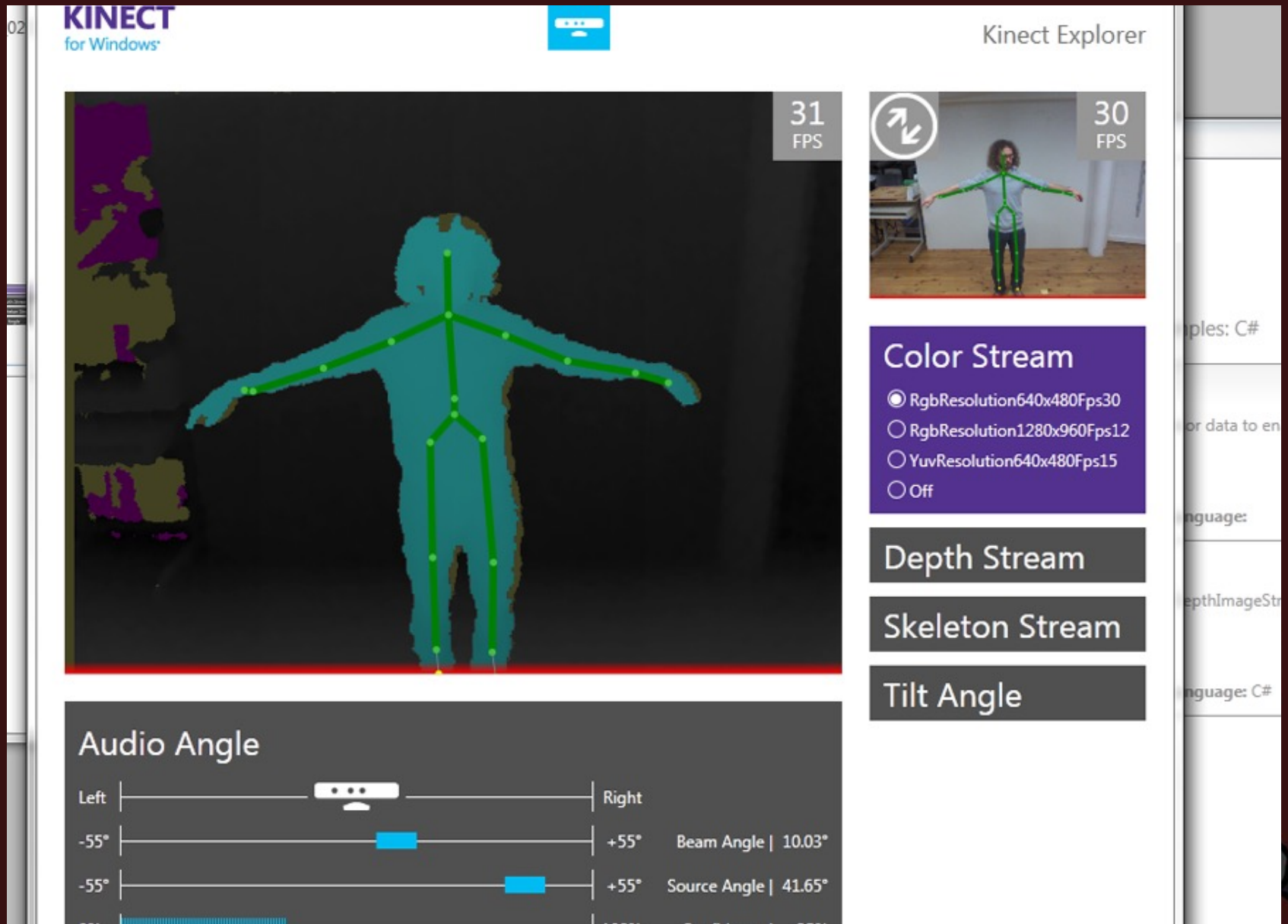
> Anatomie d'une interaction

> Calibration

> Particularité de la reconnaissance de mouvement



CAPTATION


KINECT
for Windows
Kinect Explorer
31
FPS
30
FPS
Color Stream
RgbResolution640x480Fps30
RgbResolution1280x960Fps12
YuvResolution640x480Fps15
Off
Depth Stream
Skeleton Stream
Tilt Angle
Audio Angle
Left
Right
-55°
+55°
Beam Angle | 10.03°
-55°
+55°
Source Angle | 41.65°

LANGAGE



Single Tap



Double Tap



Press & Hold



Hold Timer



Swipe Up



Swipe Down



2x Tap



2x Double Tap



2x Press & Hold



2x Hold Timer



Swipe Left



Swipe Right



2x Swipe Up



2x Swipe Down



2x Swipe Left



2x Swipe Right



3x Swipe Up



3x Swipe Down

INTERPRETATION

> LANGAGE A INVENTER

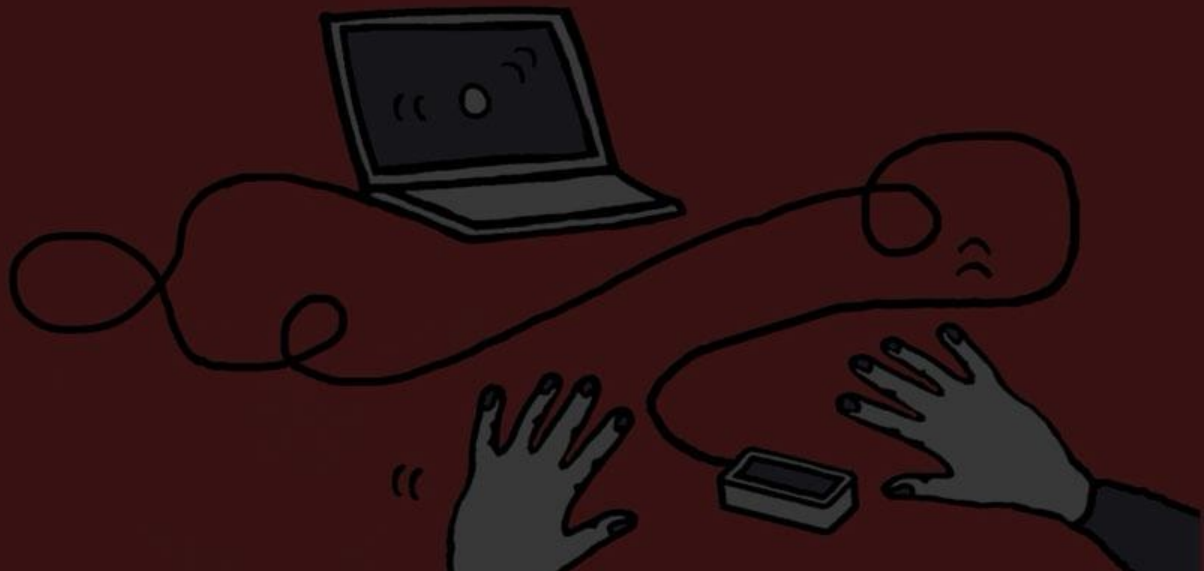
> LES USAGES VIENNENT DU MASS MARKET

> SMART TV - ORDINATEUR (HP-ASUS)





#Extras
#Projets
#Idées



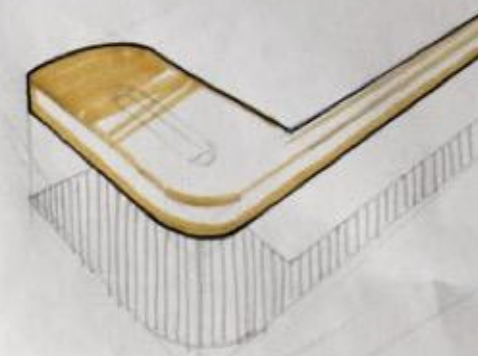
Phase 2

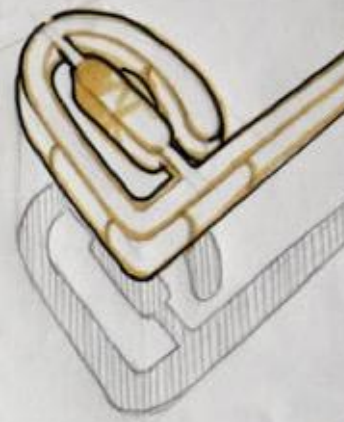
Ergonomie

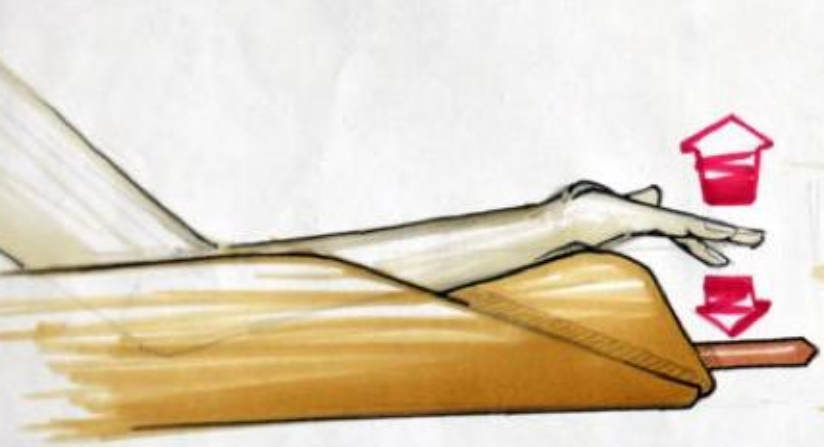
Tablette Leap

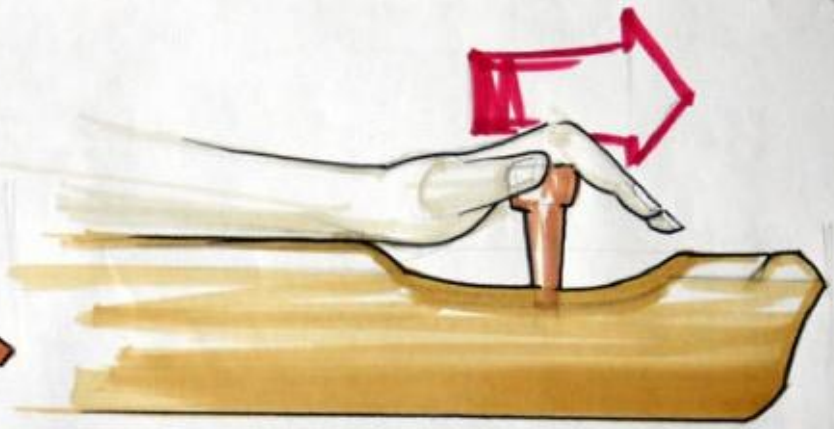


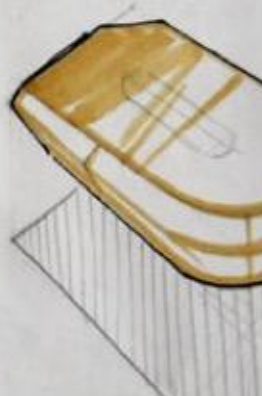
Intérieur











Capteur

Puissance










XBOX 360
KINECT


tobii

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