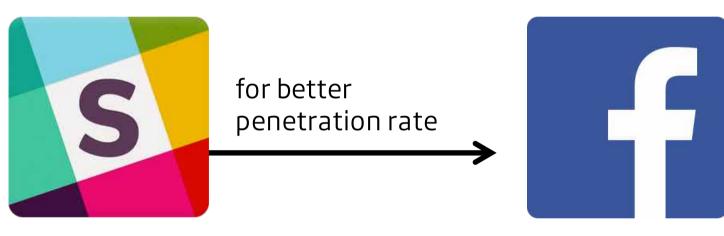
Interaction Design & Virtual Reality

Liwei chan 詹力韋 Assistant Prof.

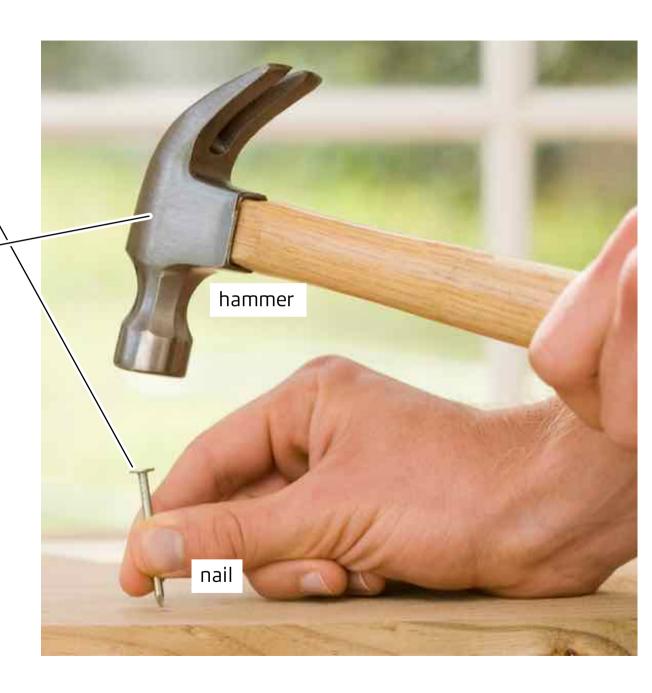
2016.10.04

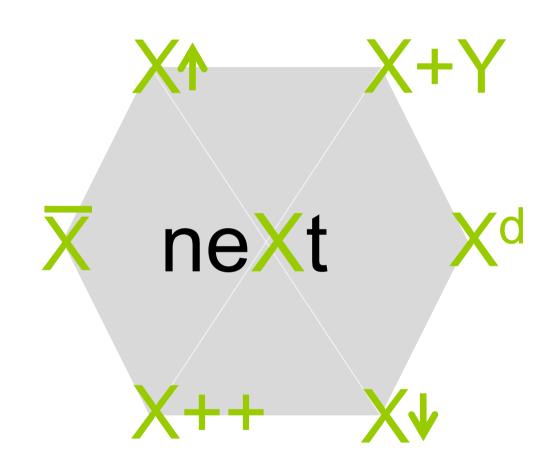


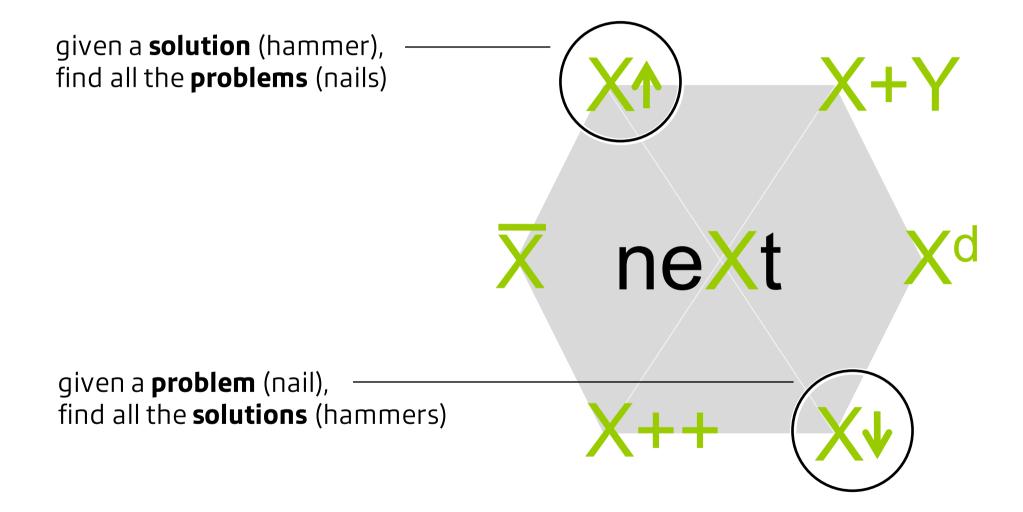


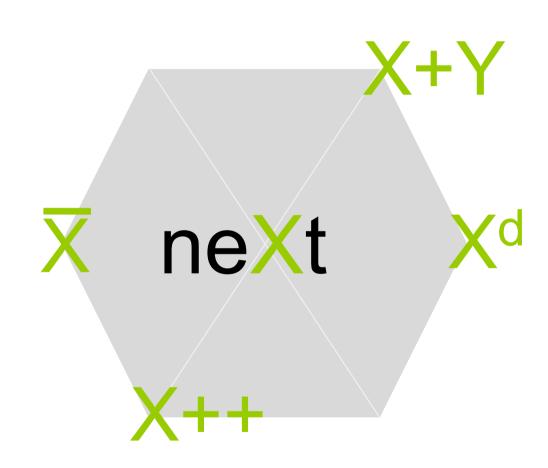
- 1. Search and Join "NCTU-ID-2016"
- 2. Post group photo

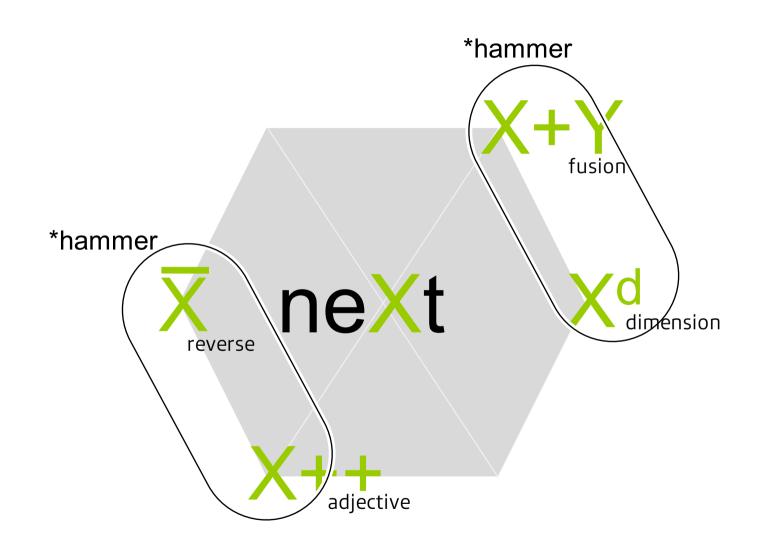
problem solution

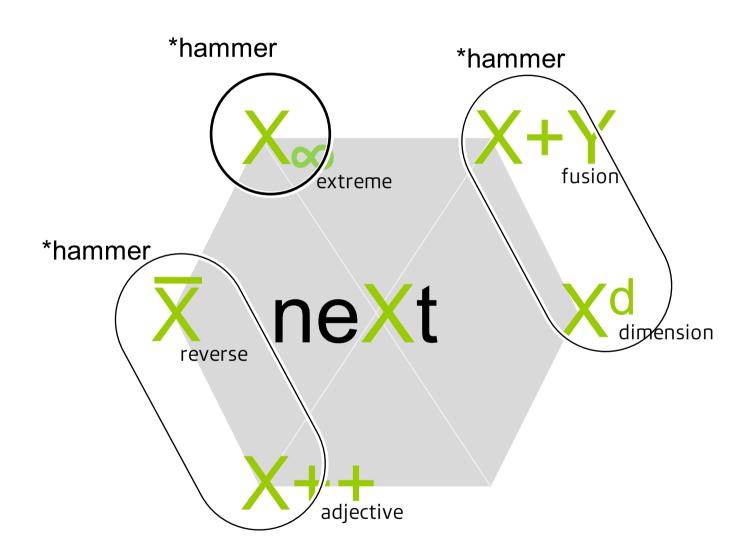








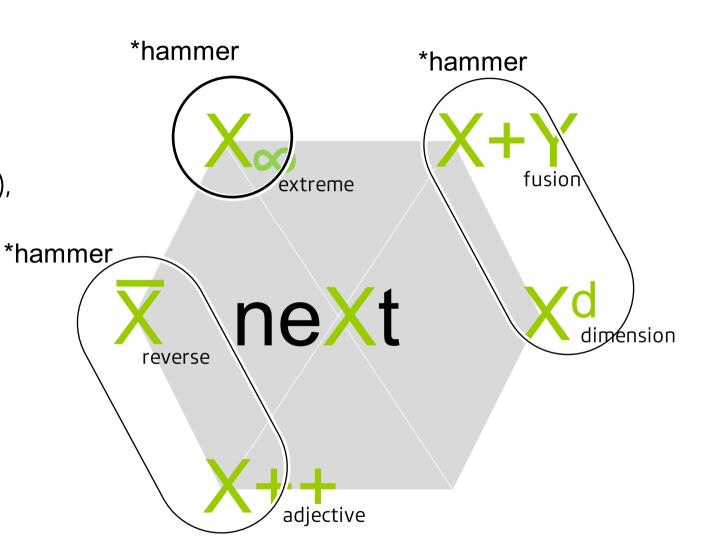






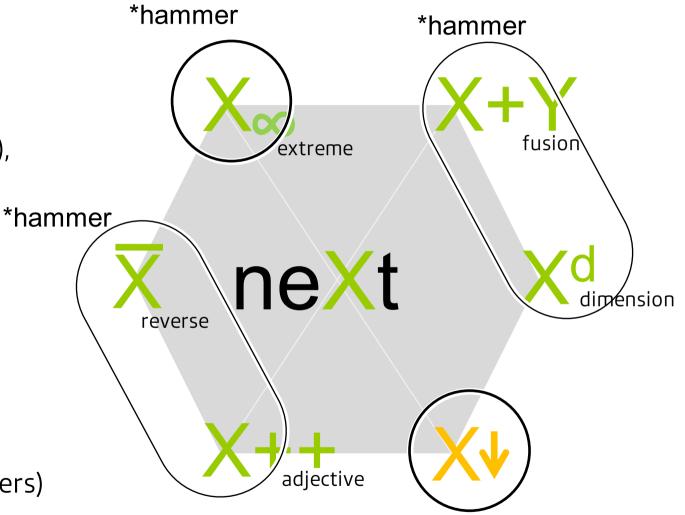
here, **5 mental models** for finding next solutions

given a *solution (*hammer), find all the **problems** (nails)





here, **5 mental models** for finding next solutions given a ***solution** (*hammer), find all the **problems** (nails)

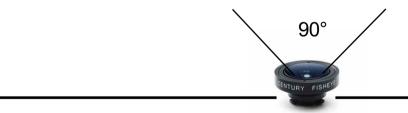


given a **problem** (nail), find all the **solutions** (hammers)









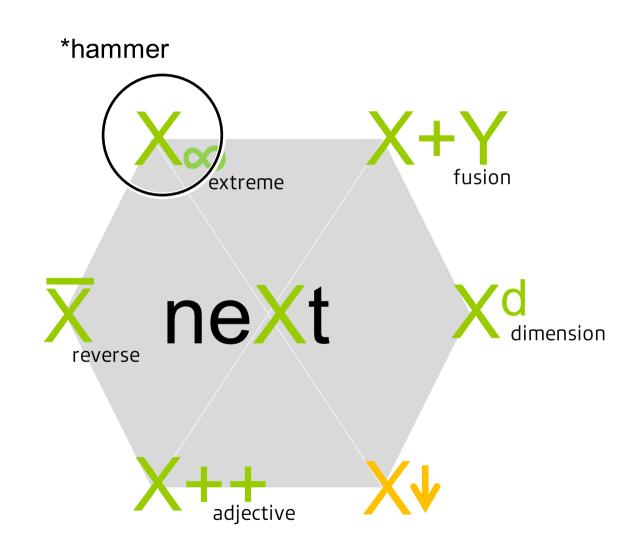






SurroundSee











360°







Autodesk Research
Magic Finger

-10°

?

~0°





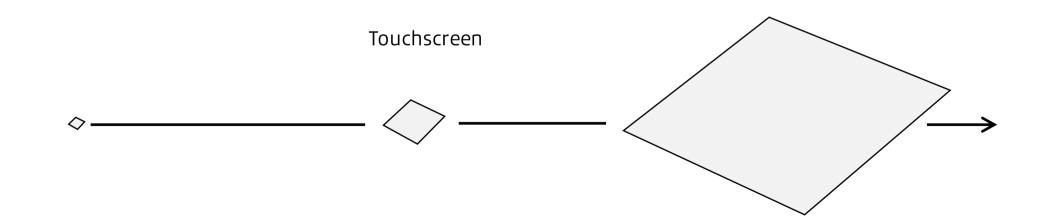




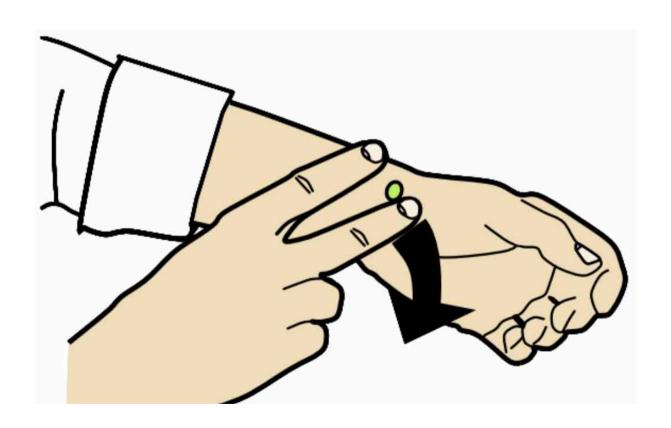




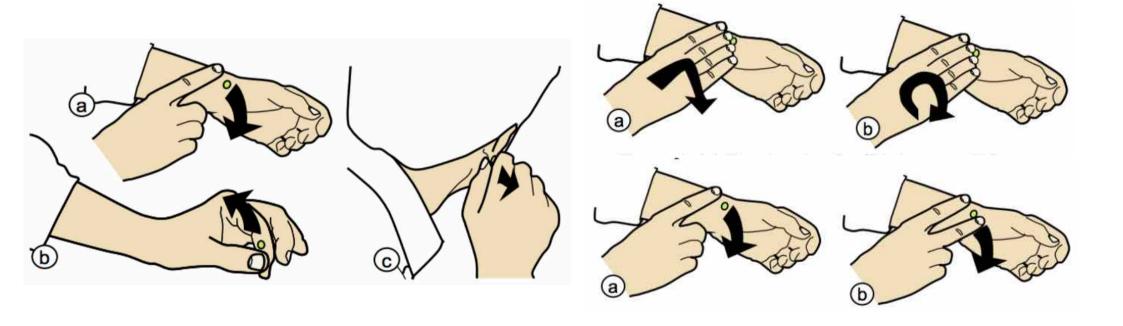




Disappearing Devices, UIST'09



Disappearing Devices, UIST'09

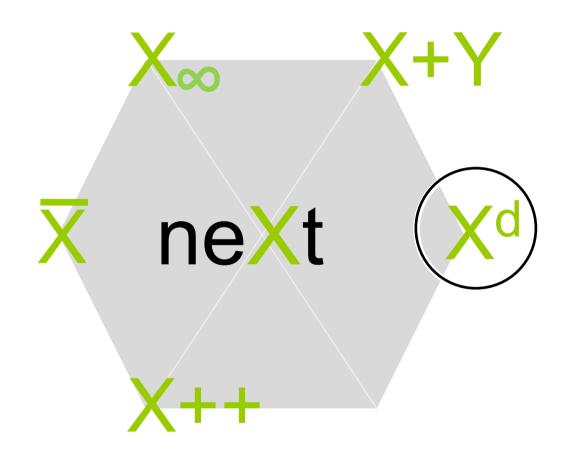




GravitySpace, CHI '13

generalize to another dimension

data →
text →
audio →
image →
video



generalize to another dimension

data →

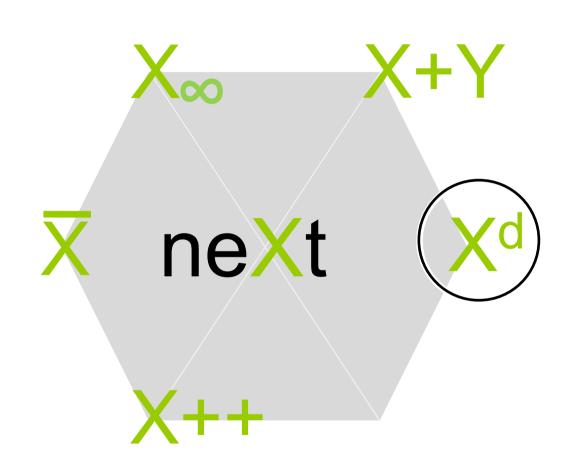
text →

audio →

image →

video

Flickr \rightarrow youtube

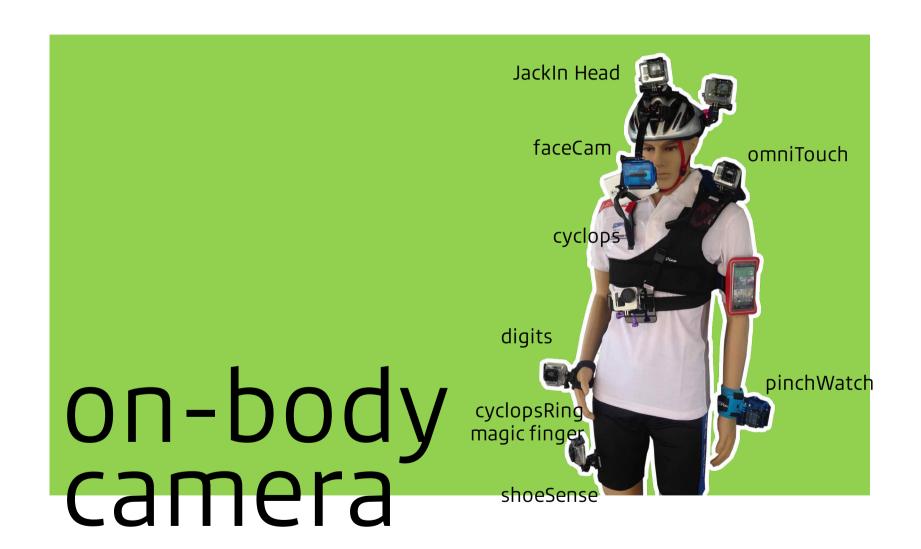


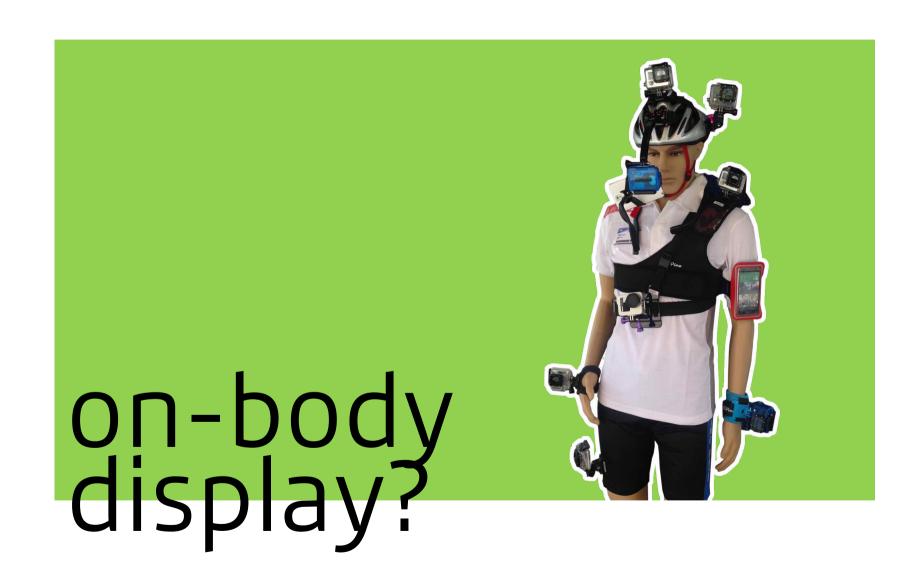


```
(command) cui →
(graphic) gui →
(tangible) tui →
(wearable) wui →
(gaze/brain) gaze/bui
```

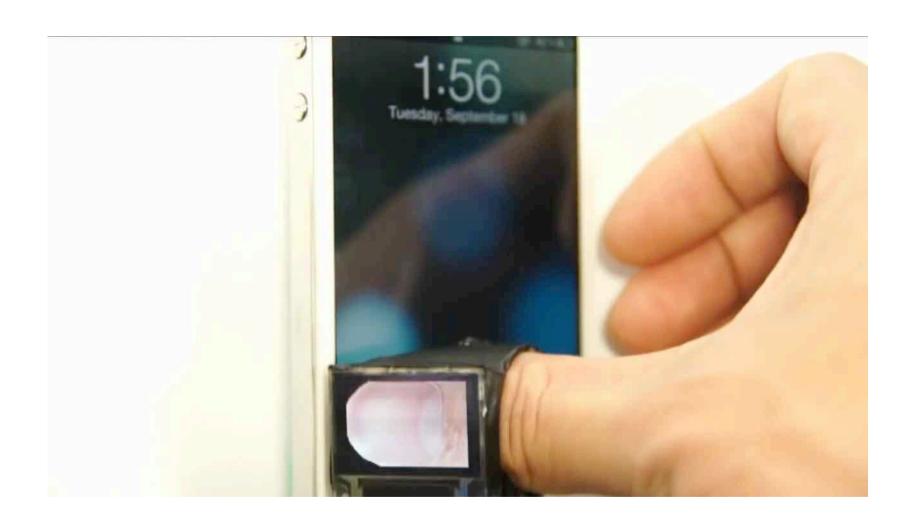


time, spatial, frequency, vision / hear / haptic / smell / taste

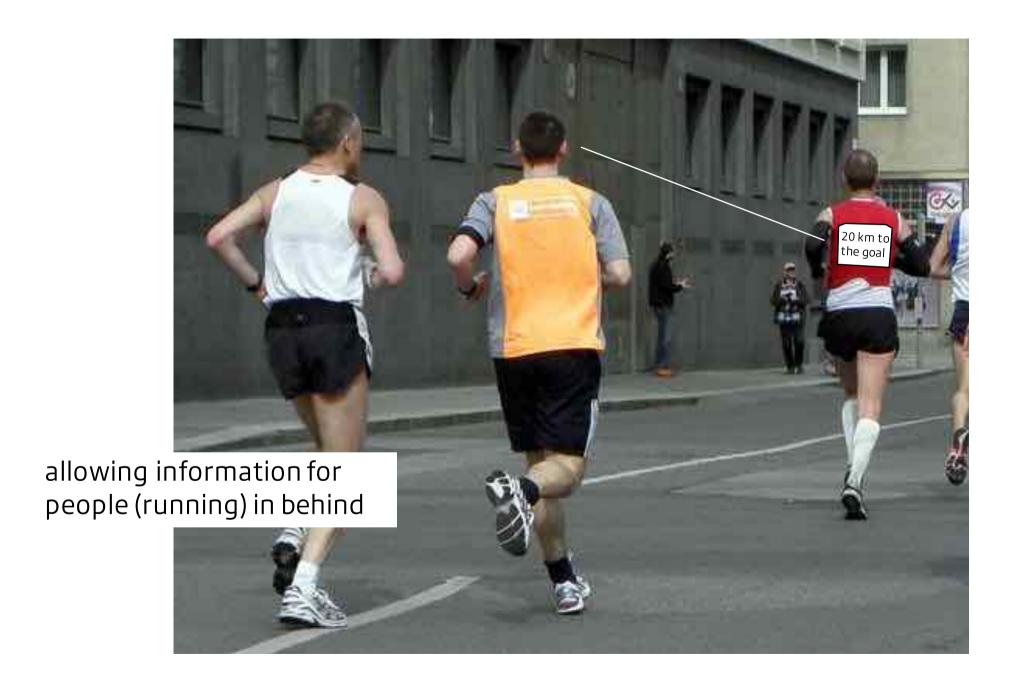




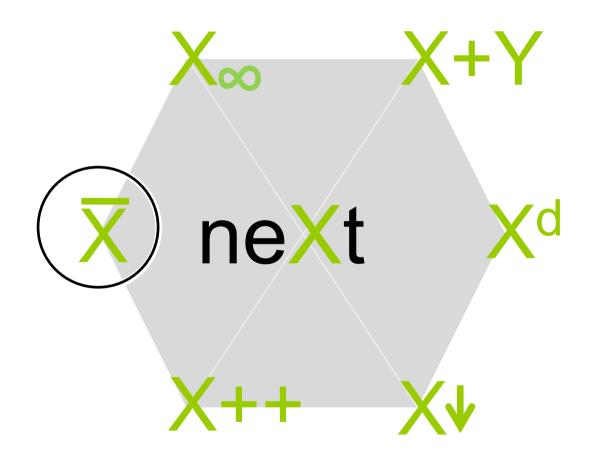








do exactly the opposite





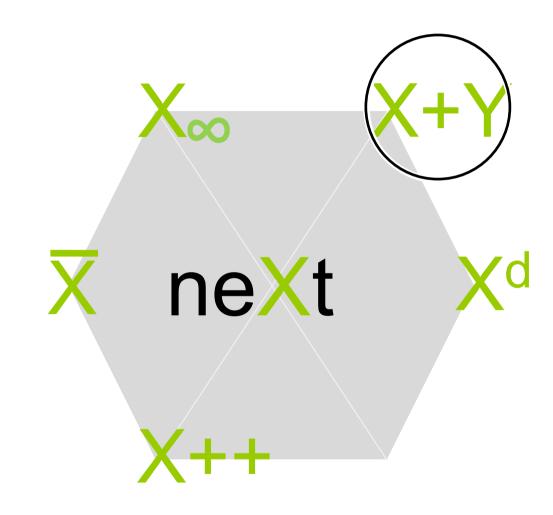
 everyone added touch screens to the fronts of their mobile devices, we on the back

fusion of the dissimilar

where to find Y

- your tool
- their tools

stay inspired

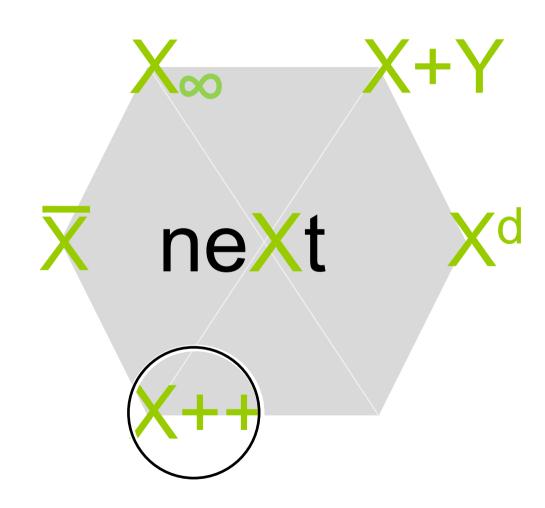


add your favorite adjective

- adaptive
- distributed
- efficient
- democratized
- social
- personalized

trick: unexpected adjectives

:: colliding of concepts



5 mental models for finding next solutions

