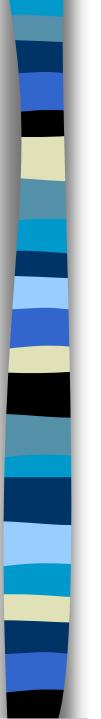
An embodied view of flow



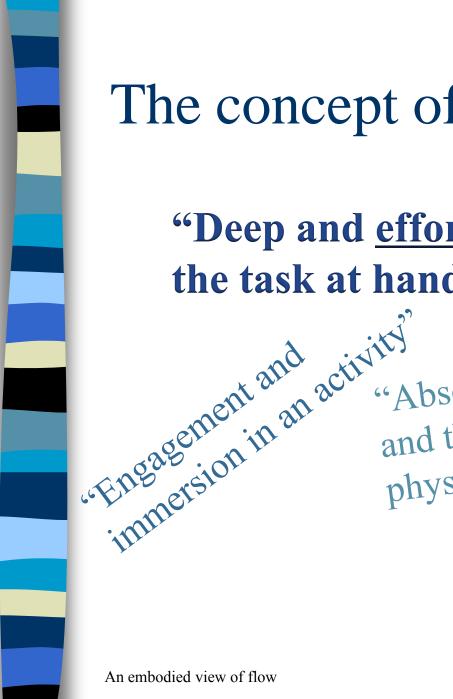
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This talk

- Inconsistencies and misunderstandings of flow
- An embodied view of flow
- Further work



The concept of flow

"Deep and effortless concentration in the task at hand"

> " "Absorption in a virtual space and the fading away of the physical world"

"Playful and exploratory experience"



An embodied view of flow

Flow characteristics

Challenges commensurate with skills Clear goals Immediate feedback Intense concentration Merging of action and awareness Loss of self-consciousness Intrinsic motivation Time distortion ...



What counts as flow?





A more coherent view

The relevance of attention
The importance of context

People or computers as visitors

In flow with or through the system
A more complete view of interaction

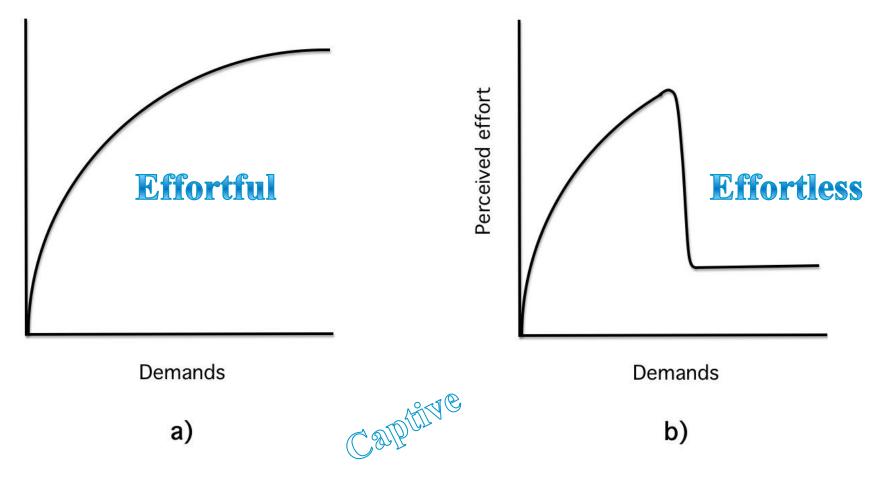
Composite challenges



The relevance of attention



An embodied view of flow

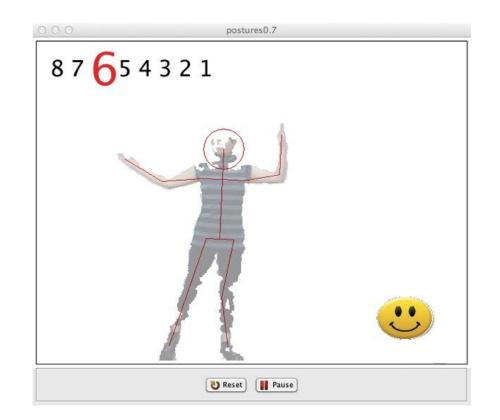


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Empirical studies







Further work

- Discriminating captive, effortful and effortless attention
- Composite analysis of challenges-skills balance
- Flow and addictions



Bibliography

- Romero, P., & Calvillo-Gamez, E. H. (in press). An embodied view of flow. Interacting With Computers.
- Calvillo-Gámez, E., Crisp, J., & Romero, P. (in press). Empirical validation of the involvement component of the pervasive GameFlow model. Computers in Entertainment.
- Romero, P., & Calvillo-Gamez, E. (2012). Effortless attention and composite challenges in movement interaction. 26th Annual BCS Interaction Specialist Group Conference on People and Computers. pp.
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