Preview of Virtual Reality

VR REVIEW

Virtual Reality Topics



- O Virtual World 745 477
- O Immersion 그입간
- O Sensory Feedback 감가 기간
- O Interactivity

→ Dominant Technologies for Virtual Reality

- Tracking Technologies ユスー Display & Graphic Technologies てくまれる。 □ Display & Graphic Technologies でくまれる。
 - Hardware : Display Equipments
 - Software: Computer Graphics
- O Interactive Technologies 상호 작모
 - Haptic & Others

Introductory Video Clip

◆ YouTube: https://www.youtube.com/watch?v=VzFpg271sm8

○ Title: World Builder

○ Production: Bruce Branit

○ Running Rime: 9 min. 15 sec.

1st Key Elements for VR: Virtual World

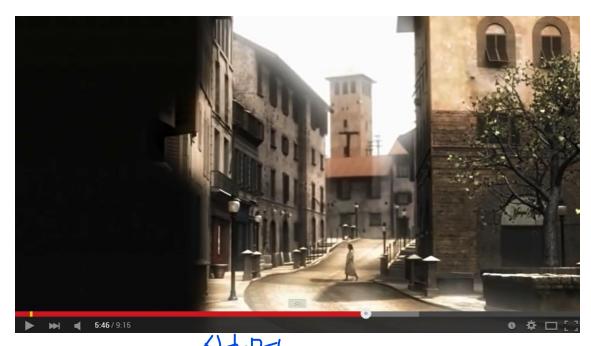




Creation of Virtual World

Destruction of Virtual World

2nd Key Elements for VR: Immersion

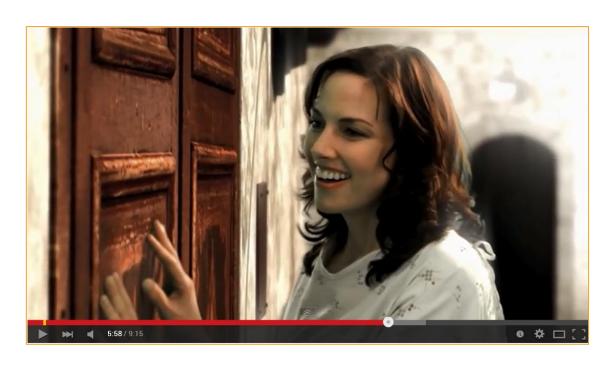




Physical Immersion:
Surrounded by Virtual Objects

Mental Immersion:

3rd Key Elements for VR: Sensory Feedback





Human's 5 Senses: Vision & Touch Sensation

Human's 5 Senses: Auditory & Olfactory Sensation

4th Key Elements for VR: Interactivity





Respond to user actions that the

Move physically within the world 가상세계에서 육세적인 결작임

1st Dominant Technology for VR: Tracking





Tracking Head, Body & Hand

时间, 岩, 毛

Eye Detection



2nd Dominant Technology for VR: Display(HW)



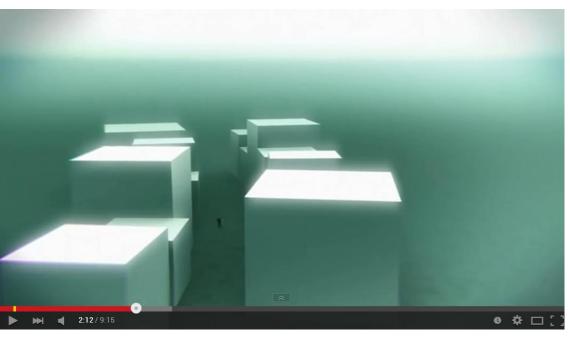


Seeing Virtual World & Virtual Objects

フトなんか川とレフトなまれた。 サモス

With Naked Eye?





Modeling Tylzy

Perspective Projection





Shading: Coloring

72-12





Shading: Texture Mapping

덕선 배징





Shading: Applying Lighting Sources



3rd Dominant Technology for VR: Interaction- User Side





Interacting with Virtual World & Virtual Objects フレジー With Bare Hands? サゼ Without Any Extraordinary Equipments? 57

3rd Dominant Technology for VR: Interaction- Developer Side





Creating Interactive Virtual World & Virtual Objects
New Tools for Developers

婚气

3rd Dominant Technology for VR: Interaction- Developer Side

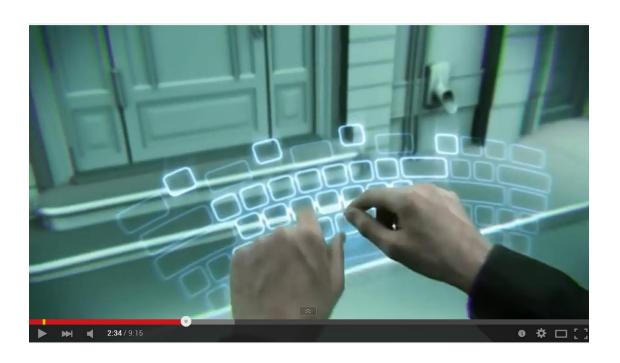




Creating Interactive Virtual World & Virtual Objects
New Way of Creating Objects for Developers

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3rd Dominant Technology for VR: Interaction- Developer Side





Creating Interactive Virtual World & Virtual Objects
New Way of Producing Data for Developers

시간은 다이터 발생법

Questions?

