

Spring 2018 Student's Choice Presentation: Report

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Overview: What is it? History of the technique/device?

The Void is the Vision of infinite Dimensions, whole body, fully immersive VR experience, the scene changes differently in every turn. The Void was co-founded by Ken Bretschneider, Curtis Hickman and James M. Jensen. Bretschneider focused on developing the void after he decided to stop Evermore project.

Where is it used?

The system is designed to allow the users to freely walk through and explore a virtual world. For playing, education-oriented experience like police training and nature exploration.

How does it work?

The void simulated the interior of a spaceship utilizing an Oculus Rift developer kit which used for position tracking. The vest system utilized an Oculus Rift Development Kit2, Beats by Dr. Dre headphones and a Leap Motion unit for hand tracking.

Why is this a good use of virtual reality? Why is it unique? What's cool about it?

The void built in LAN environment avoiding latency issues and provide physical feedback. It is unique cause it has hyperreality experience hinge on a VR environment. The void can use a combination of virtual reality hardware with motion tracking.

Critique on strengths and weaknesses/issues such as design flaws or technical flaws. Is there still more to do?

Advantage: allow users walk in real space. there were just two experience previously-an exploration adventure set in a jungle temple, and an action romp in the Ghostbust universe and recently the star wars: secret of the empire just came out. still not so many choices

Can this lead to varying degrees of simulator sickness including nausea, fatigue, headache, eyestrain, vertigo, and dizziness? What is your rating on the scale from 0 to 10? 0: Normal (no motion sickness at all) 5: Average (lead to dizziness) -i can not use it for more than a few minutes 10: Max (can be dangerous)

From people who already experience before it is 0. People really enjoy.

What are the similar/related applications?

Oculus Rift
PS VR
HTC vive

Are there any other potential applications of the technique/device?

police training and nature exploration.

Conclusion

The void will be the future of VR and attracts more people to experience it.

Reference

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