

Study Questionnaire: Usability Comparisons of the Oculus Rift Head-Mounted Display and the Firsthand 3D-Stereoscopic Display in Virtual Meditative Walk

Please select the most appropriate number which can describe your feelings watching the Virtual Meditative Walk demo in the current display. In Part 2, 0 stands for NOT AT ALL, and 10 stands for VERY MUCH.

Part 1: Simulator Sickness

1. Do you feel general discomfort?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

2. Do you feel fatigue?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

3. Do you feel headache?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

4. Do you feel eye strain?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

5. Do you feel difficulty focusing?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

6. Do you feel salivation increasing?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

7. Do you feel sweating?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

8. Do you feel nausea?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

9. Do you feel difficulty concentrating?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

10. Do you feel fullness of the head (pressure in your head)?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

11. Do you feel blurred vision?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

12. Do you feel dizziness with eyes open?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

13. Do you feel dizziness with eyes closed?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

14. Do you feel vertigo (vertigo is experienced as loss of orientation with respect to vertical upright)?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

15. Do you feel stomach awareness (stomach awareness which is usually used to indicate a feeling of discomfort which is just short of nausea)?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

16. Do you feel burping (gurk)?

0 ☐ = absent, ☐ 1 = slight, ☐ 2 = moderate, ☐ 3 = severe

Part 2: Physical Comfort Level

17. For the Firsthand Display: Did you feel discomfort because you need to sit still to have a good view of the display?

For the Oculus Rift HMD: Did the weight of the display make you feel discomfort?

Not at all 0 1 2 3 4 5 6 7 8 9 10 Very much

18. For the Firsthand Display: Did you feel discomfort because your face and eyes need to stay against the lens in the equipment?

For the Oculus Rift HMD: Did the tightness of the display make you feel discomfort?

Not at all 0 1 2 3 4 5 6 7 8 9 10 Very much

19. How did you think the sense of immersion in Virtual Meditative Walk with Firsthand/Oculus Rift Display?

Not at all 0 1 2 3 4 5 6 7 8 9 10 Very much

20. How do you think Field of View in Virtual Meditative Walk with Firsthand/Oculus Rift Display?

Not at all 0 1 2 3 4 5 6 7 8 9 10 Very much