

Low-fatigue interactions for travelling in immersive virtual environments

HIVE: Human Interaction in Virtual Environments Laboratory
Computer Science Department, Worcester Polytechnic Institute
{gogo, zyan, adey}@wpi.edu

Participant #: ____ Condition #: ____

1. How close did the virtual world resemble *the real world*?

Very Far	Far	Somewhat Far	Somewhat Close	Close	Very Close
1	2	3	4	5	6

2. To what extent were there times during the experience when the virtual world became the "reality" for you, and you *almost forgot about the "real world" outside*?

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

3. To what extent did you experience the *sense of being there* while you were in the virtual world?

In the computer generated world, I had a sense of "being there" instead of being a spectator...

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

4. To what extent did you feel you were *actually walking* during the walking trials?

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

5. To what extent did you feel you were *actually riding a Segway* during the Segway trials?

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

6. To what extent did you feel you were *actually riding a surfboard* during the surfing trials?

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

7. How **easy** was it to **use** the system?

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

8. How **easy** was it to control your **walking**?

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

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9. How **easy** was it to control the **Segway**?

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

10. How **easy** was it to control your **surfing**?

Extremely Hard	Hard	Somewhat Hard	Somewhat Easy	Easy	Extremely Easy
1	2	3	4	5	6

11. How much did you **enjoy** interacting with the system?

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

12. How much did you **enjoy walking**?

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

13. How much did you **enjoy the Segway**?

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

14. How much did you **enjoy surfing**?

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

15. How well could you **remember** which gestures/buttons to use to switch between walking, Segway, and surfing?

Not at all	Very little	Somewhat	Quite a bit	Very much	Extremely
1	2	3	4	5	6

16. What did you **like** and **dislike** about the controls and control device?

<u>Like</u>	<u>Dislike</u>