

Všeobecné informácie (General information)

1. ID

2. Vek

(age)

3. Pohlavie

(sex)

☐ Muž (male)

☐ Žena (female)

4. Zameranie / odbor / profesia

(field of study / profession)

☐ Informatika, informačné technológie a pod. (Informatics, information technologies, etc.)

☐ Lekárstvo (medicine)

☐ Iné (other)

5. Aké zariadenie pre virtuálnu realitu ste v minulosti používali?

(What device did you use for Virtual reality in the past?)

☐ Žiadne (none)

☐ Oculus Rift

☐ HTC VIVE

☐ PlayStation VR

☐ Microsoft Mixed Reality

☐ Samsung Galaxy Gear VR

☐ Iné založené na mobilnom telefóne (Other phone based) - Google Cardboard / DayDream

☐ Iné (other)

Úloha č.1 – Kopanie na bránku / Futbal

(Task no.1 – Kick on goal / Football)



1. Ako veľmi ste boli schopní kontrolovať udalosti?
(How much were you able to control events?)

Vôbec (Not at all)			Trochu (Somewhat)			Úplne (Completely)

2. Ako reagovalo prostredie na akcie, ktoré ste začali alebo vykonali?
(How responsive was the environment to actions that you initiated (or performed)?)

Vôbec (Not responsive)			Trochu (Moderately responsive)			Úplne (Completely responsive)

3. Ako veľmi prirodzená vám prišla interakcia s prostredím?
(How natural did your interactions with the environment seem?)

Veľmi umelé (extremely artificial)			Na hranici (Borderline)			Úplne prirodzené (Completely Natural)

4. Ako veľmi vás vizuálne aspekty vtiahli do prostredia?
(How much did the visual aspects of the environment involve you?)

Vôbec (Not at all)			Trochu (Somewhat)			Úplne (Completely)

5. Ako veľmi prirodzený bol mechanizmus pohybu v prostredí?
(How natural was the mechanism which controlled movement through the environment?)

Veľmi umelé (extremely artificial)			Na hranici (Borderline)			Úplne prirodzené (Completely Natural)

6. Ako veľmi presvedčivý bol pohyb objektov v priestore?
(How compelling was your sense of objects moving through space?)

Vôbec (Not at all)			Trochu (Moderately compelling)			Úplne (Completely compelling)

7. Ako veľmi sa vaša skúsenosť vo virtuálnom prostredí zhodovala so skúsenosťami z reálneho sveta?
(How much did your experiences in the virtual environment seem consistent with your real world experiences?)

Vôbec (Not at all)			Trochu (Moderately consistent)			Úplne (Completely consistent)

8. Boli ste schopní pred predpovedať, čo sa stane ako reakcia na vaše akcie?
(Were you able to anticipate what would happen next in response to the actions that you performed?)

Vôbec (Not at all)			Trochu (Somewhat)			Úplne (Completely)

9. Ako veľmi ste boli schopní vizuálne prehliadať prostredie?
(How completely were you able to actively survey or search the environment using vision?)

Vôbec (Not at all)			Trochu (Somewhat)			Úplne (Completely)

10. Ako veľmi presvedčivý bol váš pocit pohybu vo virtuálnom prostredí?
(How compelling was your sense of moving around inside the virtual environment?)

Vôbec (Not compelling)			Trochu (Moderately compelling)			Úplne (Completely compelling)

11. Ako blízko ste boli schopní pozorovať objekty?
(How closely were you able to examine objects?)

Vôbec (Not at all)			Celkom blízko (Pretty closely)			Veľmi blízko (Very closely)

12. Ako dobre ste boli schopní preskúmať objekty z rôznych uhlov?
(How well could you examine objects from multiple viewpoints?)

Vôbec (Not at all)			Trochu (Somewhat)			Úplne (Completely)

13. Ako veľmi ste sa cítili byť vtiahnutí do virtuálneho prostredia?
(How involved were you in the virtual environment experience?)

Vôbec (Not involved)			Trochu (Mildly involved)			Úplne (Completely involved)

14. Aké veľké oneskorenie bolo medzi akciou a očakávanou reakciou?
(How much delay did you experience between your actions and expected outcomes?)

Žiadne oneskorenie (No delays)			Mierne oneskorenie (Moderate delays)			Dlhé oneskorenie (Long delays)

15. Ako rýchlo ste sa prispôbili na virtuálne prostredie?
(How quickly did you adjust to the virtual environment experience?)

Vôbec (Not at all)			Pomaly (Slowly)			Do minúty (Less than one minute)

16. Ako veľmi zbehlí ste sa cítili v pohybe vo virtuálnom prostredí a interakcii s virtuálnym prostredím na konci plnenia úlohy?
(How proficient in moving and interacting with the virtual environment did you feel at the end of the experience?)

Vôbec (Not proficient)			Primerane zbehlí (Reasonably proficient)			Veľmi zbehlí (Very proficient)

17. Ako veľmi vás kvalita displeja rozptylovala alebo bránila v plnení úlohy?
(How much did the visual display quality interfere or distract you from performing assigned tasks or required activities?)

Vôbec (Not at all)			Trochu (Interfered somewhat)			Veľmi (Prevented task performance)

18. Ako dobre ste sa mohli sústrediť na vykonanie pridelenej úlohy, namiesto sústredenia sa na mechanizmy potrebné pre vykonanie daných aktivít?
(How well could you concentrate on the assigned tasks or required activities rather than on the mechanisms used to perform those tasks or activities?)

Vôbec (Not at all)			Trochu (Somewhat)			Úplne (Completely)

19. Ako úplne boli vaše zmysly zapojené do tejto skúsenosti?
(How completely were your senses engaged in this experience?)

Vôbec (Not compelling)			Trochu (Moderately compelling)			Úplne (Completely compelling)

20. Bol čas kedy ste sa cítili úplne sústredení na úlohu alebo virtuálne prostredie?
(Were there moments during the virtual environment experience when you felt completely focused on the task or environment?)

Nie (Not at all)			Občas (Sometimes)			Stále (All the time)

Source (zdroj):

Witmer, Bob G., Christian J. Jerome, and Michael J. Singer., „The factor structure of the presence questionnaire.,“ Presence: Teleoperators and Virtual Environments 14.3, pp. 298-312, 2005.

Úloha č.2 – Hanojské veže

(Task no.2 – Tower of Hanoi)



1. Ako veľmi ste boli schopní kontrolovať udalosti?
(How much were you able to control events?)

Vôbec (Not at all)			Trochu (Somewhat)			Úplne (Completely)

2. Ako reagovalo prostredie na akcie, ktoré ste začali alebo vykonali?
(How responsive was the environment to actions that you initiated (or performed)?)

Vôbec (Not responsive)			Trochu (Moderately responsive)			Úplne (Completely responsive)

3. Ako veľmi prirodzená vám prišla interakcia s prostredím?
(How natural did your interactions with the environment seem?)

Veľmi umelé (extremely artificial)			Na hranici (Borderline)			Úplne prirodzené (Completely Natural)

4. Ako veľmi vás vizuálne aspekty vtiahli do prostredia?
(How much did the visual aspects of the environment involve you?)

Vôbec (Not at all)			Trochu (Somewhat)			Úplne (Completely)

5. Ako veľmi prirodzený bol mechanizmus pohybu v prostredí?
(How natural was the mechanism which controlled movement through the environment?)

Veľmi umelé (extremely artificial)			Na hranici (Borderline)			Úplne prirodzené (Completely Natural)

6. Ako veľmi presvedčivý bol pohyb objektov v priestore?
(How compelling was your sense of objects moving through space?)

Vôbec (Not at all)			Trochu (Moderately compelling)			Úplne (Completely compelling)

7. Ako veľmi sa vaša skúsenosť vo virtuálnom prostredí zhodovala so skúsenosťami z reálneho sveta?
(How much did your experiences in the virtual environment seem consistent with your real world experiences?)

Vôbec (Not at all)			Trochu (Moderately consistent)			Úplne (Completely consistent)

8. Boli ste schopní pred predpovedať, čo sa stane ako reakcia na vaše akcie?
(Were you able to anticipate what would happen next in response to the actions that you performed?)

Vôbec (Not at all)			Trochu (Somewhat)			Úplne (Completely)

9. Ako veľmi ste boli schopní vizuálne prehliadať prostredie?
(How completely were you able to actively survey or search the environment using vision?)

Vôbec (Not at all)			Trochu (Somewhat)			Úplne (Completely)

10. Ako veľmi presvedčivý bol váš pocit pohybu vo virtuálnom prostredí?
(How compelling was your sense of moving around inside the virtual environment?)

Vôbec (Not compelling)			Trochu (Moderately compelling)			Úplne (Completely compelling)

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(How closely were you able to examine objects?)

Vôbec (Not at all)			Celkom blízko (Pretty closely)			Veľmi blízko (Very closely)

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(How well could you examine objects from multiple viewpoints?)

Vôbec (Not at all)			Trochu (Somewhat)			Úplne (Completely)

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(How involved were you in the virtual environment experience?)

Vôbec (Not involved)			Trochu (Mildly involved)			Úplne (Completely involved)

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(How much delay did you experience between your actions and expected outcomes?)

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(How quickly did you adjust to the virtual environment experience?)

Vôbec (Not at all)			Pomaly (Slowly)			Do minúty (Less than one minute)

16. Ako veľmi zbehlí ste sa cítili v pohybe vo virtuálnom prostredí a interakcii s virtuálnym prostredím na konci plnenia úlohy?
(How proficient in moving and interacting with the virtual environment did you feel at the end of the experience?)

Vôbec (Not proficient)			Primerane zbehlí (Reasonably proficient)			Veľmi zbehlí (Very proficient)

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(Were there moments during the virtual environment experience when you felt completely focused on the task or environment?)

Nie (Not at all)			Občas (Sometimes)			Stále (All the time)

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Úloha č.3 – Strel'ba na bránu / Hokej

(Task no.3 – Shoot on goal - Hockey)



1. Ako veľmi ste boli schopní kontrolovať udalosti?
(How much were you able to control events?)

Vôbec (Not at all)			Trochu (Somewhat)			Úplne (Completely)

2. Ako reagovalo prostredie na akcie, ktoré ste začali alebo vykonali?
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(Were there moments during the virtual environment experience when you felt completely focused on the task or environment?)

Nie (Not at all)			Občas (Sometimes)			Stále (At the time)

Source (zdroj):

Witmer, Bob G., Christian J. Jerome, and Michael J. Singer., „The factor structure of the presence questionnaire.,“ Presence: Teleoperators and Virtual Environments 14.3, pp. 298-312, 2005.