

Informed Consent of Participation

You are invited to participate in the experimental study **Effects Of Various Visual Inputs On Limb Ownership In Virtual Reality** initiated and conducted by Philipp Hartl, Christoph Härtl, Andreas Hilzenthaller. The research is supervised by Dr. Valentin Schwind at the University of Regensburg. Please note that your participation is entirely voluntary and that the experimental study will last approximately 60 minutes. We will record personal demographics (age, gender, etc.) and body motion and task performance during the session. You will receive one and a half VPs for your study course as compensation. We may publish our results from this and other sessions in our reports, but all such reports will be confidential and will not include your name.

If you have any questions or complaints about the whole informed consent process of this research study or your rights as a human research subject, please contact Philipp Hartl, Christoph Härtl, Andreas Hilzenthaller or Dr. Valentin Schwind. You should carefully read the information below. Please take as much time as you need to read the consent form.

1. Purpose and Goal of this Research

The purpose of the study is to find an objective measure for the degree of perceived Limb Ownership in Virtual Reality. The goal is to test for such an objective measure through a JND-task, which requires the participants to decide which out of two weights is the heavier one. Your participation will help us achieve this goal. The results of this research may be presented at scientific or professional meetings or published in scientific proceedings and journals.

2. Participation and Compensation

Your participation in this experimental study is completely voluntary. You will be one of approximately 20 people being tested for this research. You will receive one and a half VPs required for your study course at the University of Regensburg. You may withdraw and discontinue participation at any time without justification for withdrawing. You will still receive your extra one and a half VPs that your professor had offered in exchange for your participation. If you decline to participate or withdraw from the experimental study, no one on the campus will be told. You may refuse to answer any questions you do not want to answer. The investigator may withdraw you from this research if your physician tells us that continued participation may injure your health.

3. Procedure

After confirming your informed consent, you will be equipped with motion tracking sensors and a Virtual Reality display, be seated and put in front of two tennis balls, which are attached to exchangeable weights. You are asked to wait for a signal noise, and then pull one ball after another once and then put them back into their original position. Then, press a button to choose which of the two weights was the heavier. You must do this a set number of times. The complete procedure of this experimental study will last approximately 60 minutes.

4. Risks

There are no risks associated with this experimental study. Discomforts or inconveniences will be minor and are not likely to happen. If any discomforts become a problem, you may discontinue your participation.

5. Data Protection and Confidentiality

Personal data (age, gender, etc.) will be recorded while participation. The researcher will not identify you by your real name in any reports using information obtained from this experimental study and that your confidentiality as a participant in this experimental study will remain secure. All data you provide in this experimental study will be published anonymized and treated confidentially in compliance with the General Data Protection Regulation (GDPR) of the European Union (EU). Subsequent uses of records and data will be subject to standard data use policies which protect the anonymity of individuals and institutions. In all cases uses of records and data will be subject to the GDPR. Faculty and administrators from the campus will not have access to raw data or transcripts. This precaution will prevent your individual comments from having any negative repercussions. We will record your body motion and will potentially take notes during the experimental study. Any recordings cannot be viewed by anyone outside this research project unless we have you sign a separate permission form allowing us to use them (see below). The records will be destroyed after the end of the research, as required by the funding organization or if you contact the researcher to destroy or delete them immediately. As with any publication or online related activity, the risk of a breach of confidentiality is always possible. According to the GDPR, the researchers will inform the participant if a breach of confidential data was detected.

6. Identification of Investigators

If you have any questions or concerns about the research, please feel free to contact:

Philipp Hartl, Christoph Härtl, Andreas Hilzenthaller

Principal Investigators

Media Informatics

Contact: {firstname}.{secondname}@stud.ur.de

Dr. Valentin Schwind

Researcher at University of Regensburg

Universitätsstraße 31

93053 Regensburg, Germany

7. Informed Consent and Agreement

☐ I understand the explanation provided to me. I have been given a copy of this form. I have had all my questions answered to my satisfaction, and I voluntarily agree to participate in this experimental study.

I agree that my data records and measurements during the study can be published in context of this research.

☐ I understand that data will be anonymized cannot be associated with my name. From the consent of publication, I do not derive any rights (such as any remuneration or co-authorship). This declaration of consent is revocable at any time in line with the GDPR. In the case of revocation, the published recordings, insofar as they are subject to the disposition of the researchers, will be removed. Further recordings are no longer used or published after revocation of publication.

Printed Name of Subject

Signature of Subject

Location, Date

