



EXPERIMENT INFORMATION

This study is part of a series where we are attempting to learn about people's responses to virtual reality experiences.

Please read the following information carefully and feel free to ask the investigators any question or doubt you might have. The details and the aim of the study won't be discussed with you until you complete all sessions.

In this study you will wear a full body motion suit to track your body movements. Additionally, you will wear a head-mounted display (HMD) through which a virtual world will be displayed, and a pair of headphones and microphones (see Figure 1). Your movements will be recorded via a motion tracking camera. You will spend approximately 15 minutes in the virtual environment.

Remember that you are free to leave the experiment at any time without giving reasons.



Figure 1: Full-body motion capture suit (left) and HMD (right).

Once you have signed the consent form you will be asked to fill in a demographic questionnaire (i.e age, sex etc). Next, you will be informed about how the system works and you will be asked to put on the HMD and body tracking suit shown above, as well as the microphones and headphones, and wear them for periods of approximately 15 minutes each. Using the HMD you will see a virtual world and in some conditions you will also see a virtual body that will substitute your real body. We will ask you to perform a series of physical exercises as well as to state and describe what you will be seeing, whilst listening to sounds through the headphones. Before and after each of these exploration periods you will be asked to indicate the width of various objects you will see, by raising your hands and holding them straight in front of you, as if you would like to grasp the object. At the end of each period you will be asked to complete a test, and to fill in another questionnaire about your experience.

The study consists of two phases. The second phase will take place 2-3 days after the first one. Each session will last maximum 90 minutes. You will be fully debriefed after the end of the second session. You will be rewarded with the amount of 10€/hour for your participation (5€ at the end of the first session and the rest at the end of the second session).

The information collected during the study will be disseminated so that the participants cannot be individually identified. In all reports of this work (scientific publications, congresses etc) the participants will be discussed as a group and no individual will be identified. In case of mentioning any of the comments or any of the responses of a particular participant, it will always be done completely anonymously.

IMPORTANT

When people use virtual reality systems, some people sometimes experience some degree of nausea. If at any time you wish to stop taking part in the study due to this or any other reason, please just say so and we will stop. There is a space available for participants to rest and you need not continue the experiment.

There has been some research, which suggests that people using head-mounted displays might experience some disturbances in vision afterwards. No long term studies are known to us, but the studies which have been carried out do testing after about 30 minutes, and find the effect is still sometimes there.

With any type of video equipment there is a possibility that an epileptic episode may be generated. This, for example, has been reported for computer video games. Please note that you will not be able to participate in the study if you have previously suffered an epileptic episode.

Please read the consent form carefully and sign it (the consent form refers to both sessions of the study). Signing the form means you agree to take part in the study. Remember that you are free to leave at any time without giving reason. If you have any questions or comments you can contact the investigators: Ana Tajadura ([REDACTED]), Domna Banakou ([REDACTED]).

Thank you for your participation

Name and Surname:

Signature:

Date: