

VR Illusion Project Demo Slides

NOTE: We have recordings of user study participants but do not have their consent to share the video, so will include video clips as our demos.

Github: <https://github.com/syKevinPeng/VRIllusion.git>

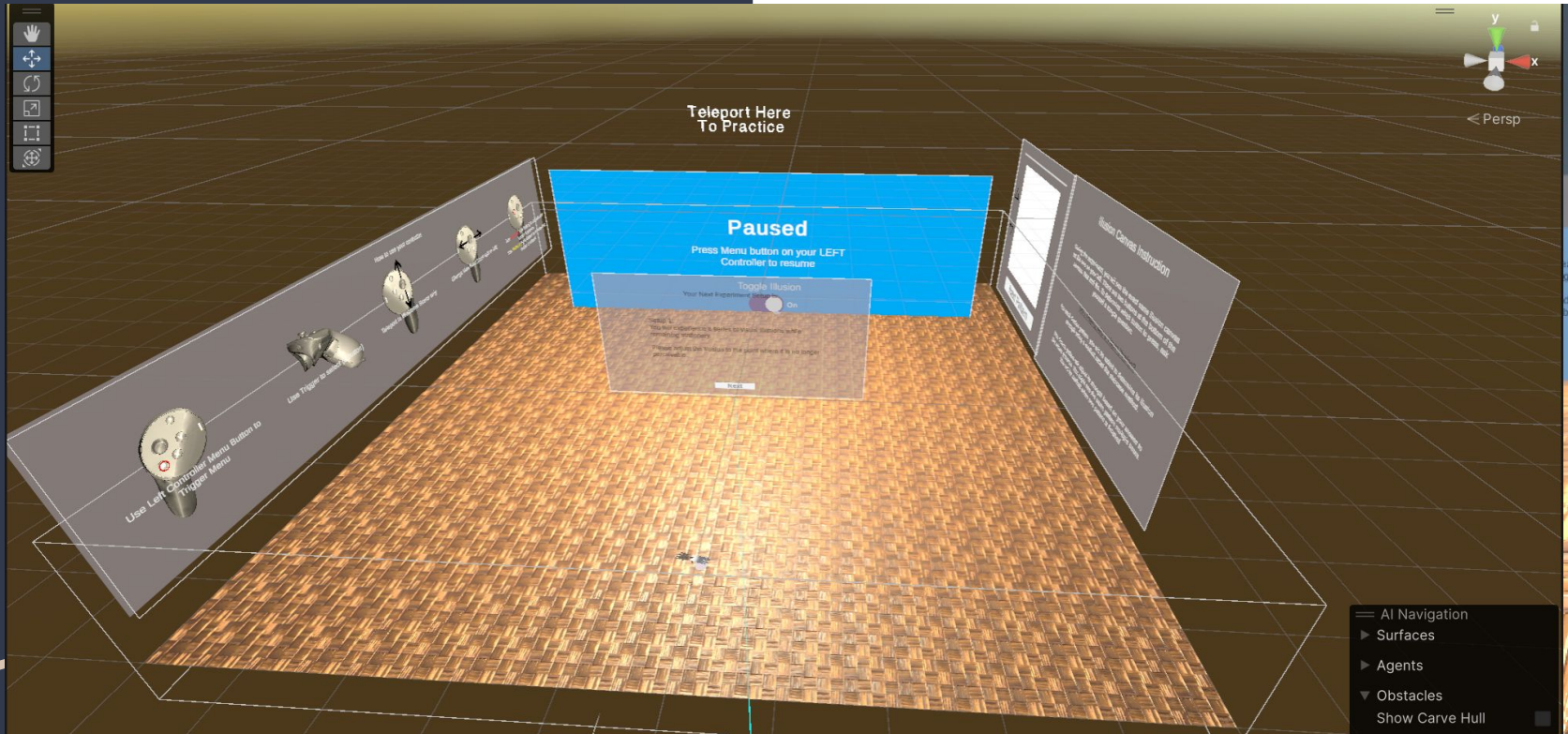
Link: <https://drive.google.com/file/d/1mzGJ4NfB2jUFJrhYGB8KLvDMz-dGBaLv/view?usp=sharing>



Welcome Scene



Welcome Scene



Welcome Scene

Before Started

☐

I have already signed Consent Form

☐

I understand that there are no known risks present in the study. If dizziness or discomfort occur any point, I have the full right to withdraw from the study.

☐

If I have questions, concerns, or complains, or if I need to report an injury related to the research, I will contact the investigator

Next

Welcome Scene

Experiment Procedures

You will have two experiment session and one break session. Each experiment session is approximately half an hour. You will be randomly given one of the two following Setup:

Setup 1:

You will experience a series of visual illusions while remaining stationary.

Please adjust the illusion to the point where it is no longer perceivable.



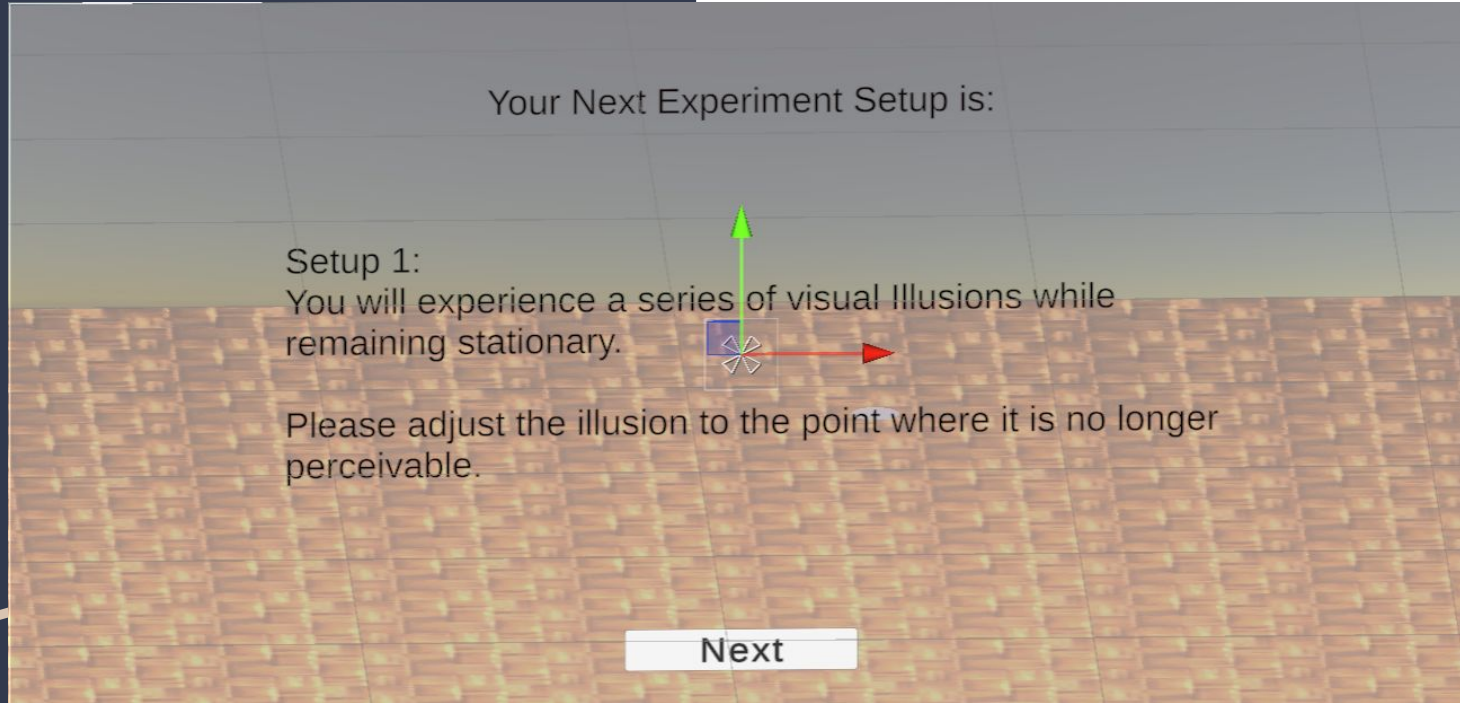
Setup 2:

You will experience a series of visual illusions while walking at a comfortable pace on the treadmill.

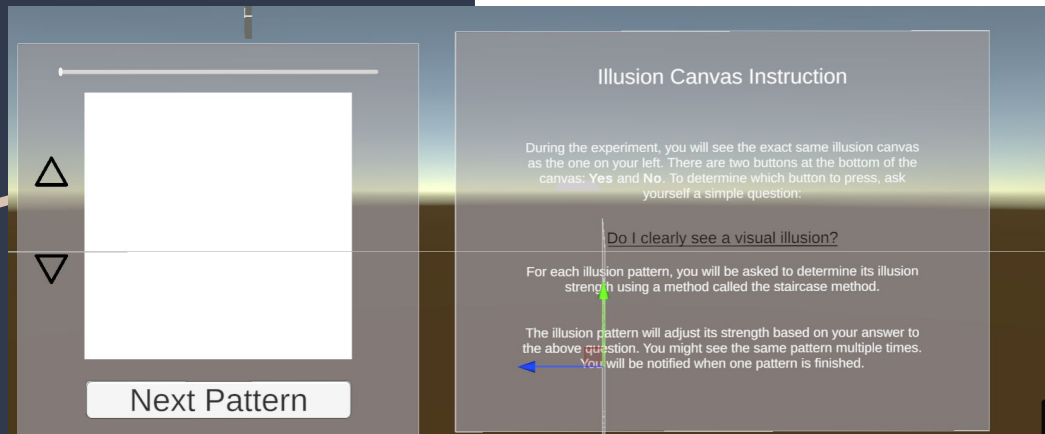
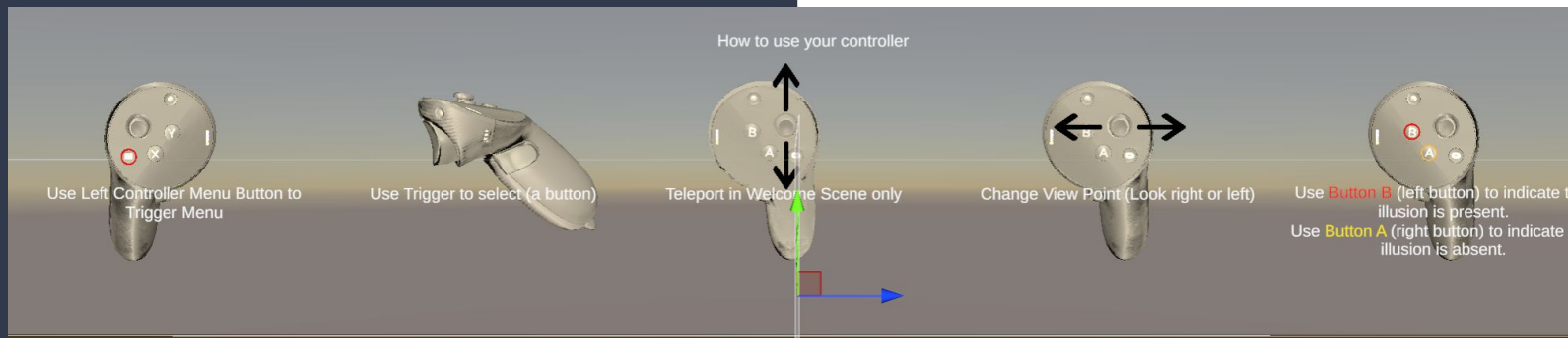
Please adjust the illusion to the point where it is not longer perceivable.

Next

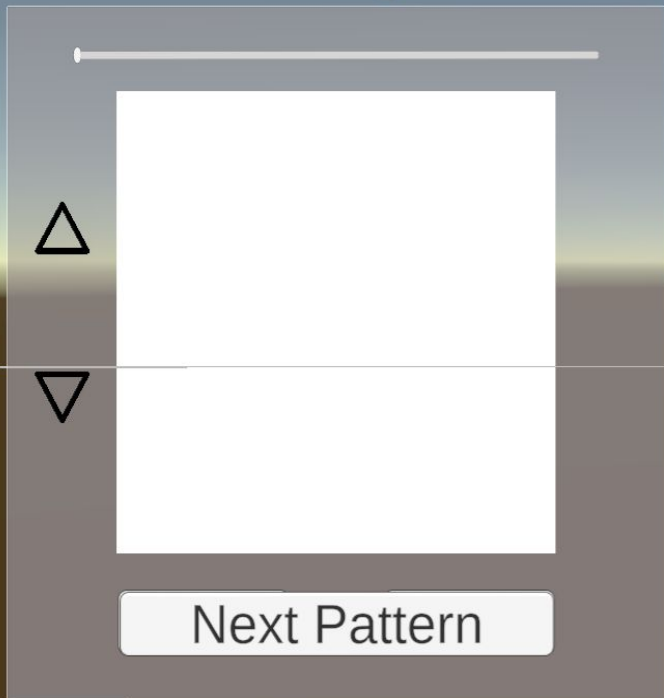
Welcome Scene



Welcome Scene



Teleport Here
To Practice



Illusion Canvas Instruction

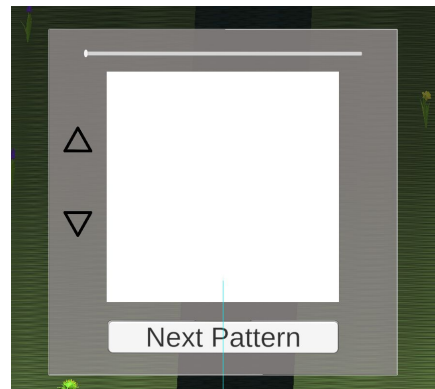
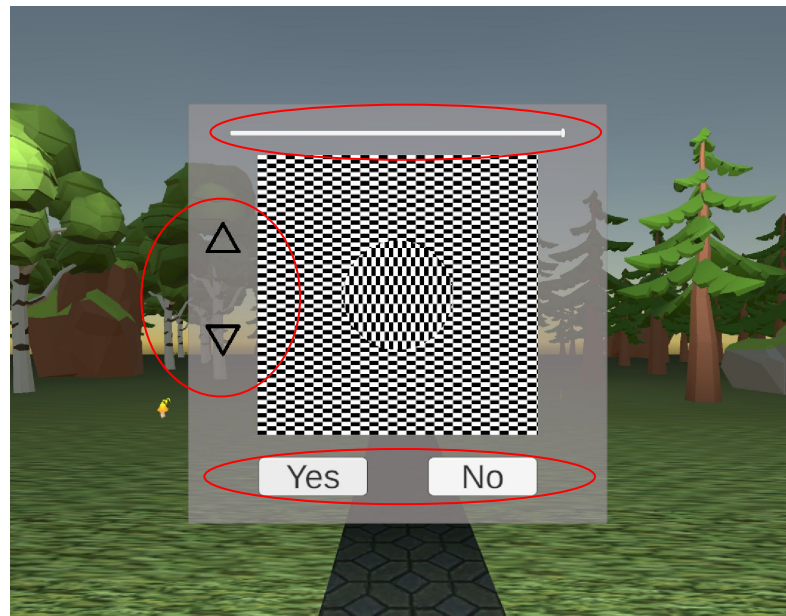
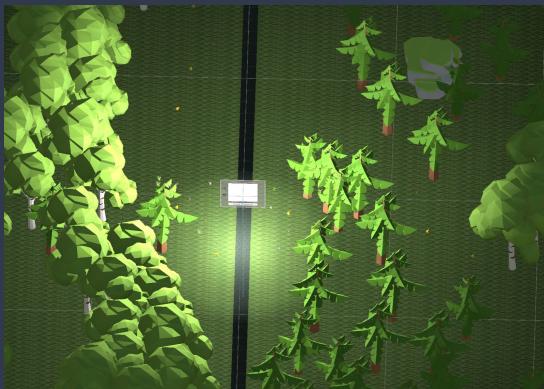
During the experiment, you will see the exact same illusion canvas as the one on your left. There are two buttons at the bottom of the canvas: **Yes** and **No**. To determine which button to press, ask yourself a simple question:

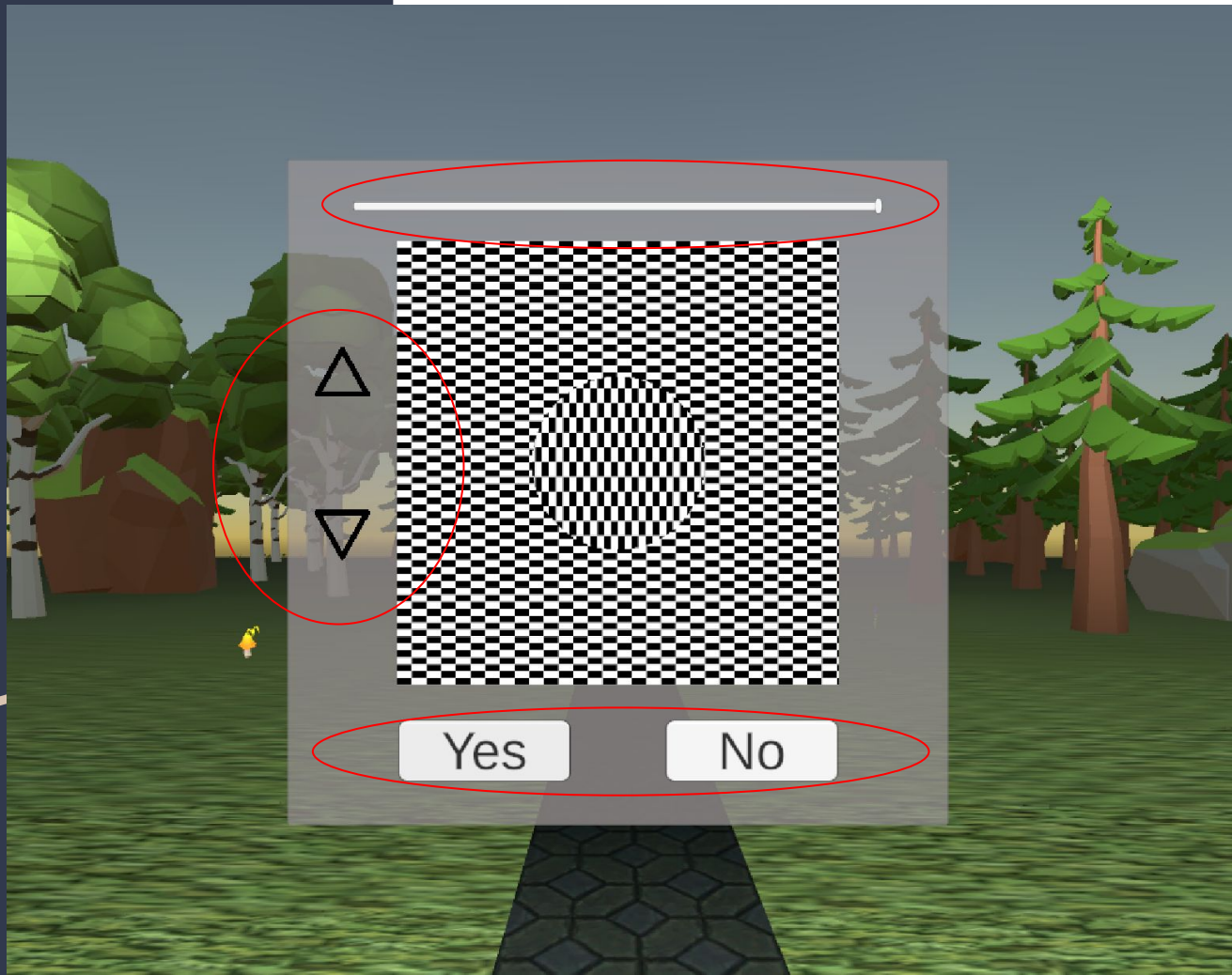
Do I clearly see a visual illusion?

For each illusion pattern, you will be asked to determine its illusion strength using a method called the staircase method.

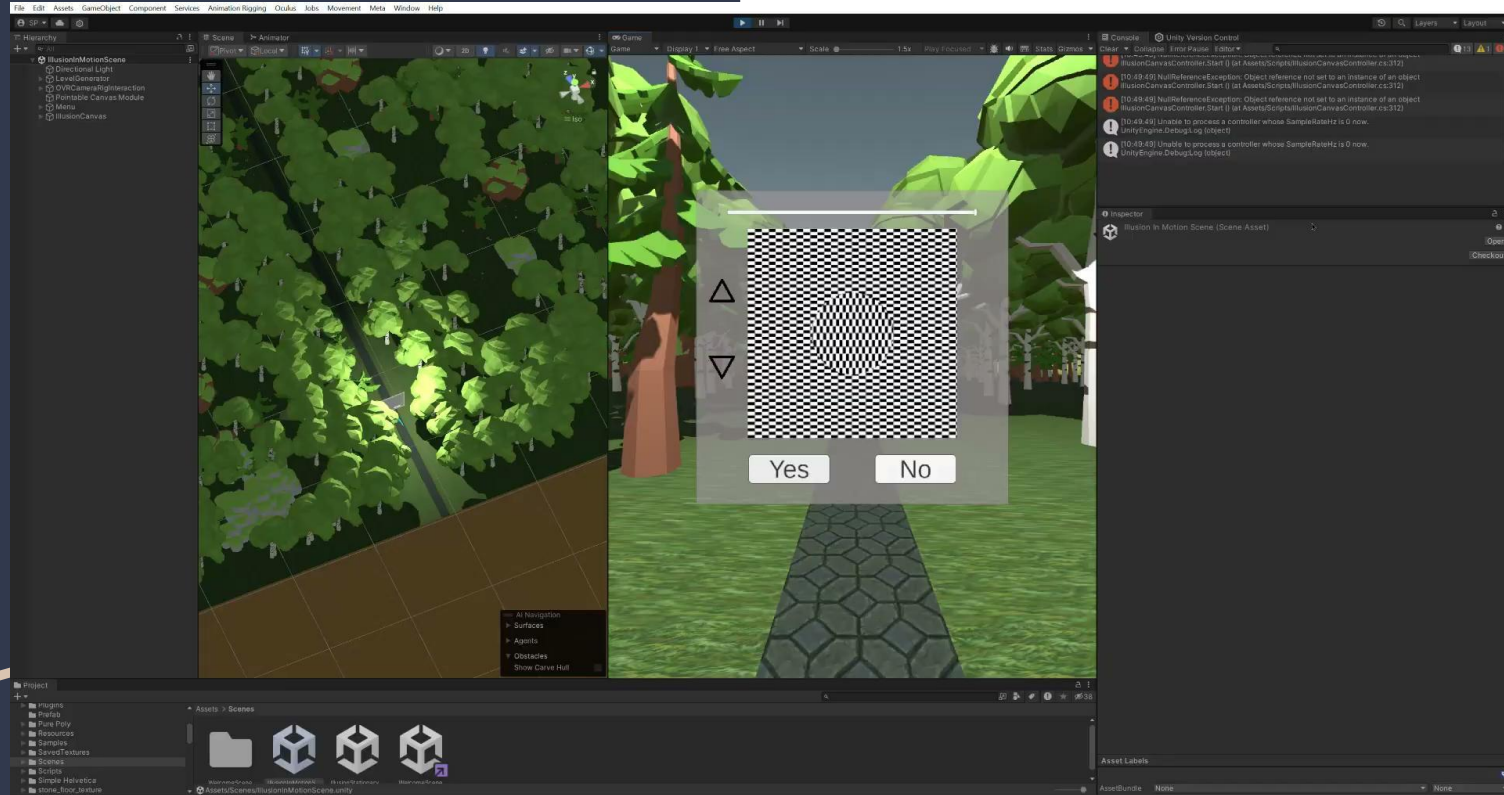
The illusion pattern will adjust its strength based on your answer to the above question. You might see the same pattern multiple times. You will be notified when one pattern is finished.

Stationary Scene





Moving Scene



Physical Protection

