**实验说明**

【实验目的】 本实验是为了检测【可变刷新率显示器产生的闪烁】对不同观察者的可见性。

【实验设置说明】

1. 本实验会关闭所有灯光，仅仅保留显示器和键盘
2. 要求观察者将头部固定，直视屏幕中心
3. 本实验的可视框大小、明暗、位置都会发生变化，但是请保持眼睛注视屏幕中心的光点，在可视框出现在侧面时请使用余光观察

【实验流程】

1. 实验分为30\*20 = 600个block, 每个block的开始阶段会出现”滴”的响声. 请确保目视屏幕正中心。
2. 每个block开始阶段会呈现持续的颜色, 请在确认眼睛适应好当前的光强后点击”Enter”
3. 点击完成后会立马出现时间极短的黑色,然后出现2s的Interval 1, 接着再次出现瞬间的黑色,然后出现2s的Interval 2.
4. 请确认观察到的哪个片段存在闪烁, 在屏幕中心点的光点出现后点击”1”或者”2”, 分别表示认为第一段或者第二段存在闪烁.

(请注意!!!在长时间的实验后,观察者往往会出现疲惫现象导致选择错误, 一定小心!)

1. 重复以上过程(600次). 感谢您的参与

**Experiment instructions**

**[Purpose of Experiment]**

This experiment is to detect the visibility of flicker generated by variable refresh rate displays to different observers.

**[Experimental setup instructions]**

1. This experiment will turn off all lights, leaving only the monitor and keyboard bright.
2. Require the observer to fix his or her head and look directly at the center of the screen.
3. The size, brightness, and position of the visual frame in this experiment will change, but please keep your eyes focused on the light spot in the center of the screen and use your peripheral vision when the visual frame appears on the side.

**[Experiment process]**

1. The experiment is divided into 360 blocks, and a "beep" sound will appear at the beginning of each block.
2. A continuous color will appear at the beginning of each block. Please click "Enter" after confirming that your eyes have adapted to the current light intensity.
3. After clicking Finish, a very short period of black will appear immediately, and then an Interval 1 of 2 seconds will appear, and then a moment of black will appear again, and then 2 seconds of Interval 2 will appear.
4. Please confirm which interval you observe has flicker. After the light spot at the center of the screen disappears, click "1" or "2" to indicate that you think there is flicker in the first interval or the second segment respectively. (Please note!!! After a long period of experiments, observers often become tired and make wrong choices, so be careful!)
5. If there is an error in the selection, please click "Backspace" at the beginning of the next block, and the previous experiment will be displayed again. (A warning "beep" sound will appear)
6. Repeat the above process (360 times). Thank you for your participation.