

Testing Manual
Project title: Value in the visual system
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Date: 15 May 2019

Training Phase:

1. On the stimulation desktop, ensure that appropriate resolution and refresh rates are set
 - a. For the stimulation desktop: **1680 x 1050 (native) resolution** and **60 Hz refresh rate**
 - b. For the participant monitor: **1920 x 1080 resolution** and **100 Hz refresh rate**
2. Open **Matlab 2017b**
3. In Matlab, open the file **VAL_SSVEP_TASK_CODE**
4. Click on **run_pre_training_v1_4** under Current Folder on the left panel
5. Run the program by clicking on the **Run** icon on the top panel
6. A bunch of codes will appear on the Command Window on the right panel
7. Matlab prompts **Debug Mode? (1 or 0)**
 - a. Type **0** and **Enter**
8. Matlab prompts **Subject Number?**
 - a. Type **Subject Number** and **Enter**
 - b. Subject Number should indicate pilot test (**1**) or actual experiment (**2**), followed by participant number
 - i. e.g. 101 represents Participant 1 in pilot test
 - ii. e.g. 212 represents Participant 2 in actual experiment
9. Matlab prompts **Session?**
 - a. Type **Session Number** and **Enter**
 - i. e.g. **1** represents the first time that the participant is at the study
10. Matlab prompts **Response Order?**
 - a. Counterbalance the response order that is used
 - i. 1 represents keyboard response of 'V' and 'G' for 'H' and 'N', respectively
 - ii. 2 represents keyboard response of 'G' and 'V' for 'H' and 'N', respectively
 - b. Type **1** or **2** accordingly and **Enter**
11. Matlab prompts **Colour Order? [1, 2] or [2, 1]**
 - a. Counterbalance the colour order that is used
 - i. [1, 2] represents high reward value for the colour purple and no reward value for the colour red
 - ii. [2, 1] represents no reward value for the colour purple and high reward value for the colour red
 - b. Type **[1,2]** or **[2,1]** accordingly and **Enter**
12. Matlab prompts **Diode?**
 - a. Type **0** and **Enter**
13. The training phase should be running on the participant monitor
14. Once participant has completed the Training Phase, close Matlab and start the **Testing Phase**

Testing Phase:

1. On the stimulation desktop, open **Matlab 2017b**
2. In Matlab, open the file **VAL_SSVEP_TASK_CODE**
3. Click on **run_freq_val_exp_save_timings_test_timings_v1_4** under Current Folder on the left panel
 - a. Run the program according to Step 5 to 12 of Training Phase