

1. After downloading the exp\_1 archive, you need to run the stim\_1 script.
2. Measure the horizontal size of the monitor (in centimeters) on which the experiment is running. On line 50 :  
`display_width = #cm horizontal size of my screen`  
 Indicate the measured value of the size. (see screenshot)

```

16  """
17  @@@@@@@@@@@@@@@@@@@@@@
18  GLOBAL VARIABLES
19  @@@@@@@@@@@@@@@@@@@@@@
20  """
21
22  Type of trials organization pause every 50 trials
23  1 - rdw iid rdw iid rdw iid rdw iid
24  2 - iid rdw iid rdw iid rdw iid rdw
25  3 - rdw rdw iid iid rdw rdw iid iid
26  4 - iid iid rdw rdw iid iid rdw rdw
27  5 - rdw rdw rdw rdw iid iid iid iid
28  6 - iid iid iid iid rdw rdw rdw rdw
29  7 - rdw iid rdw iid iid rdw iid rdw
30  8 - iid rdw iid rdw rdw iid rdw iid
31  9 - rdw rdw iid iid rdw iid rdw iid
32  10 - iid iid rdw rdw iid rdw iid rdw
33  11 - rdw iid rdw iid rdw rdw iid iid
34  12 - iid rdw iid rdw rdw iid rdw iid
35  """
36
37  pre_test_phase = True # If you want to run a pre-test of 10 random trials. If non = Fals
38  block_organisation_type = 10
39
40  # path = "C:/Users/opolezh/Desktop/Paris Saclay/Thèse/2_SCRIPT/exp_1"
41  # stim_csv = sorted(str(p) for p in pathlib.Path(path).glob("*.csv"))
42  iid_csv= pd.read_csv('iid_ind.csv', header=None).to_numpy()
43  rdw_csv = pd.read_csv('rdw_ind.csv', header=None).to_numpy()
44
45  dot_radius = 0.23 # Radius of each dot in deg
46  time_intertrial = 1000 # in msec
47
48  display_dist = 60 # distance from the human eye to the stimulus, measured in in cm
49  frames_per_second = 120# my monotor
50  display_width = 54 #cm horizontal size of my screen (labo HP = 54cm and pc = 32cm)
51  N = 150 # nomnre of dots total
52
53  stim_array = functions.trials_organisarion(iid_csv,rdw_csv, block_organisation_type)
54  n_trials = stim_array.shape[1]

```

3. In this experiment, the distance from the screen to the subject is about 60 cm.
4. Run the experiment.
5. After the experiment is completed, the **"data"** folder will be created with the **exp.csv** file. Please rename this file with the subject's initials.

The experimental phase consists of 8 blocks of 50 trials each. In total, there will be 400 trials. Between each block there will be a break during which you can take the necessary rest time. The experimental phase will be preceded by a familiarization phase, where you will complete a first block of 20 trials to better understand what is expected of you.