Brain Cognitive Society, IITK

Workshop -April 2020

Project Report

-Debaditya Bhattacharya (190254)

# Aim:

Replicating experiments based on paper on Feature Analysis in Early Vision. To test the search from asymmetries, amongst converging and parallel lines.

# Experiment 1:

Subject was required to find a pair parallel lines amongst other curved lines as fast as possible.

There was a total of 4 different cases where the number of objects on the screen would change. They were 6, 12, 18, 24 respectively. Each case had 10 iterations with 5 blanks.

Experiment was hosted on PsyToolkit.



Figure 1.2 A typical distractor

Figure .1 A typical target

Figure An example from the Expt. 1.

# Experiment 2:

Figure An example from Expt. 2.

Subject was required to find a pair of converging lines amongst other parallel lines as fast as possible.

There were a total of 4 different cases where the number of objects on the screen would change. They were 6, 12, 18, 24 respectively. Each case had 10 iterations with 5 blanks.

Experiment was hosted on PsyToolkit.

# Report:

A total of 10 people participated in the experiment which gives us the following distribution of data





NOTE: The values in the above table are in milliseconds(ms).



