

Interaction of the Zerner Illusion and the Hering Illusion

We conducted 3 experiments using existing illusions in different ways to achieve new effects. In our first experiment, we expected to find new effects of the Zerner illusion. When we considered our results, we discovered that the results were affected by two illusions called the Hering illusion and the Wundt Illusion. In the second experiment, we replaced the short lines of Hering illusions with the Zerner illusions. The resulting illusion showed little difference between the two. The Zerner illusion and the Hering illusion sometimes amplified each other, sometimes offset each other or didn't affect each other much at all. We tended to perceive the Hering illusion easier than the Zerner illusion. The offset effect was stronger than the amplifying effect. In the third experiment, we showed our illusions to people of various ages. Most of the observed figures were the same for all ages, but for one of the figures the data differed for people in the 30-49 age group. For our outlook, prospective experiments should involve combinations of other illusions using the same observation methodology.