

Lab 3 Comments - Worth's three degrees of fusion

Figures 1-3 below respectively show samples of slides from Groups A, B and C.



Figure 1. 1st-degree fusion slides: Different images with nothing in common.



Figure 2. 2nd-degree fusion slides: Common fusible images, but features unique to each slide to detect suppression.



Figure 3. 3rd-degree fusion slides: Common fusible images with a slight offset in some features to create disparity and stimulate stereopsis.

You may have noticed the SILO effect when maintaining fusion while forcing the eyes to converge or diverge. With convergence, the object may appear to shrink (small in). Can you explain this in terms of size constancy? Hint: Convergence is associated with an object coming closer.

The SILO effect is due to image processing in the brain, so some people don't experience it and some see the opposite (SOLI).