

Abstract

There is considerable evidence showing that cuing a specific portion of object results in the attention of the whole object (object-based attention). According to the previous research, even under occlusion, same attentional effect can take place on the whole object with amodal completion behind the occluder. However, these results were only generalized from the studies using 2D stimuli. In this study, the pictorial cue of 3D objects, which is not yet explored, was tested to determine whether the object-based attentional effect can affect amodal completion in objects with more dimensions. However, the findings from the experiment using 3D stimuli, following the replicating experiment using 2D stimuli, were not consistent to the results shown in the previous studies. This leads to the speculation whether the perceptual completion occurs before the attention process.