

MAIN FINDING:
Perception of ambiguous motion is influenced by object complexity. While ambiguous motion binds to objects of greater structural integrity, increases in detail weaken the illusion.

[^0]

Responses to orb alone
 $80 \%$ for 1000 particle trials

Responses to orb with 3D cube


Participant Accuracy: Higher than orb alone with
congruent motion, low when incongruent At 1000 particles, accuracy begins to increase.


Congruency Responses: Participants responded frequently that the objects direction is congruent. At 1000 particles, congruency responses decrease for incongruent object motion.


Response Time Lower for congruent object motion trials, highest for 1 and 1000 particles of incongruent motion.


[^0]:    Participants were asked to judge the direction of motion for a 3D particle sphere spinning left or right Orb alone \& orb with 3D cube (Z-Box)
    Cube direction could have congruent motion with the orb or incongruent motion ( $50 \%-50 \%$ trials) Hypothesis:
    While the illusion of congruent motion is present for all viewers, it was expected that 1000 particles would provide enough complexity (depth cues, figure stability) to allow viewers to break the illusion of congruent motion in multiple objects.
    
    https://imnotamember.github.io/Z-Box-Presentation/
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