

Geometry Playground



GORDON AND BETTY
MOORE
FOUNDATION

Josh Gutwill

expl  ratorium®
the museum of science,
art and human perception

Defining Spatial Reasoning

- “Understanding, manipulating, reorganizing, or interpreting relationships visually”
- *Spatial perception*
 - “Determining spatial relationships with respect to the orientation of their own bodies”
- *Mental rotation*
 - “Rotating a figure” mentally
- *Spatial visualization*
 - “Complicated, multi-step manipulations of spatially presented information”

Tartre (1990)

Linn and Peterson (1985)

Defining Spatial Reasoning

Shape

Location

Movement

Size

Orientation

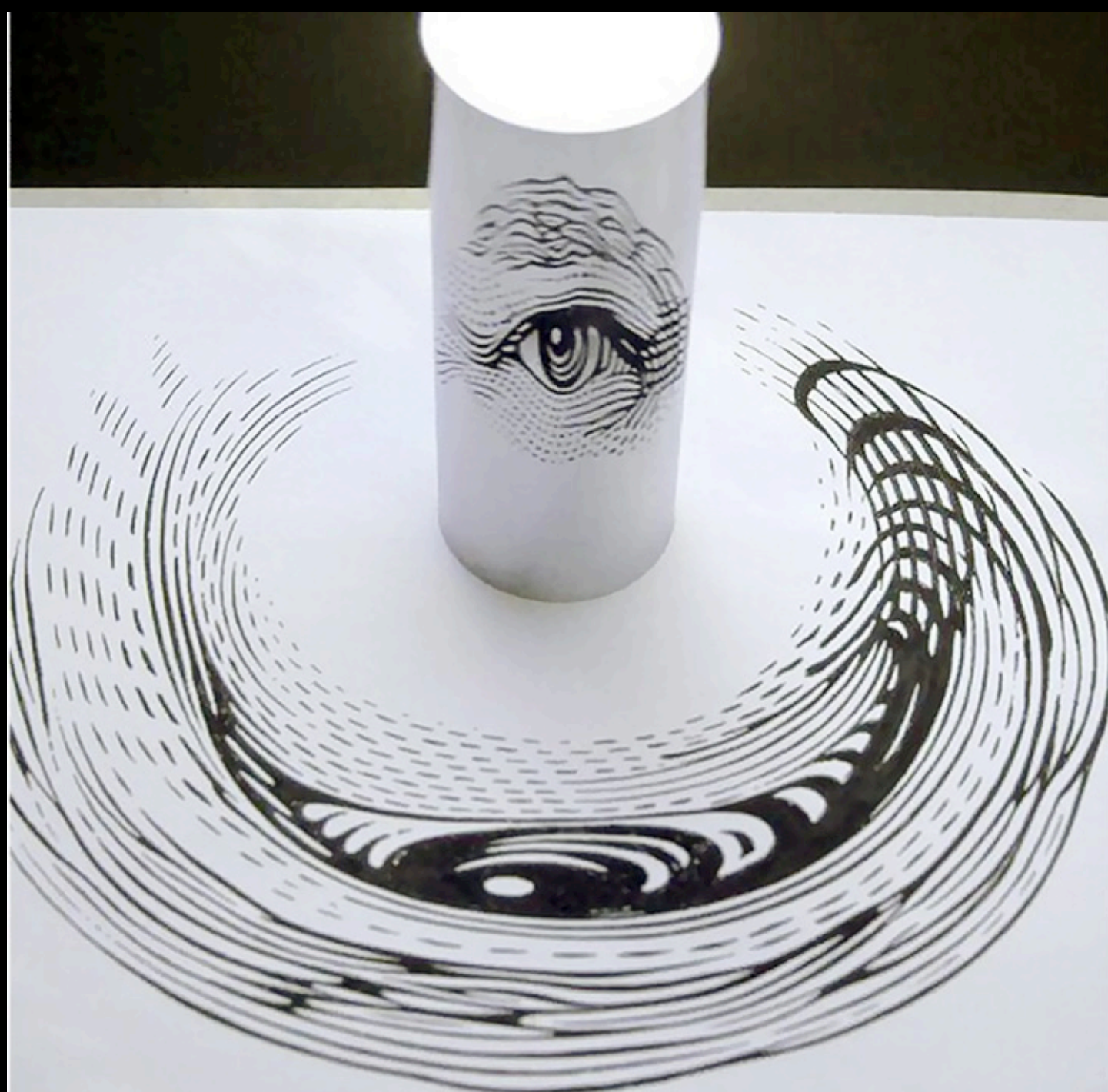
Curvature

Congruence

Construction

Rotation

Transformation





Spatial Reasoning Immersive exhibit

Watch my arm, see how it looks all, like, thick?



Spatial Reasoning Tabletop Exhibit





GP Video Camera 1
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