

CSC420

Gestalt Principles

Theory

- Contrary to scientific process (analysis/synthesis)
- Theoretical principles:
 - Totality - the conscious experience must be considered globally; system of dynamic relationships
 - Psychophysical isomorphism - correlation between conscious experience and cerebral activity
- Methodological principles:
 - Phenomenon experimental analysis - take as a starting point phenomena, not sensors
 - Biotic experiment - get out of the lab and test in natural situations what would be *habitual* to a subject

Emergence

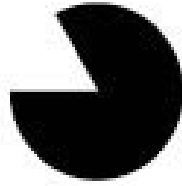
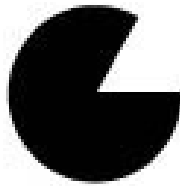
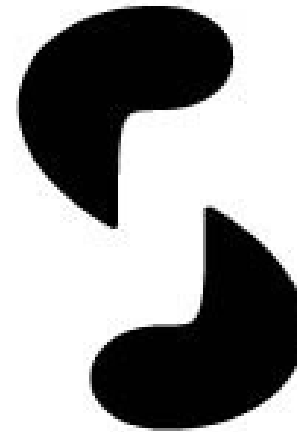


Reification

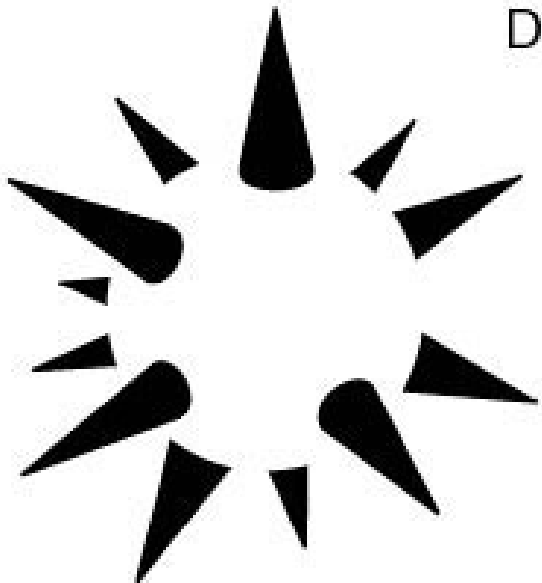
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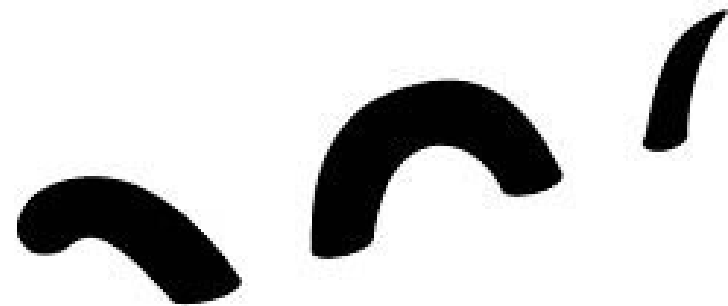
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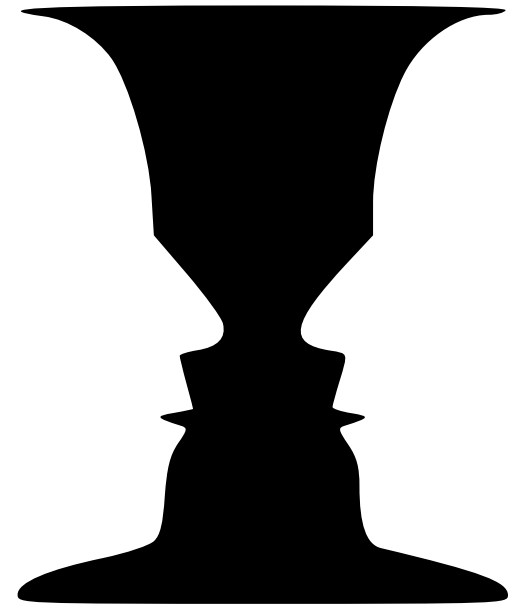
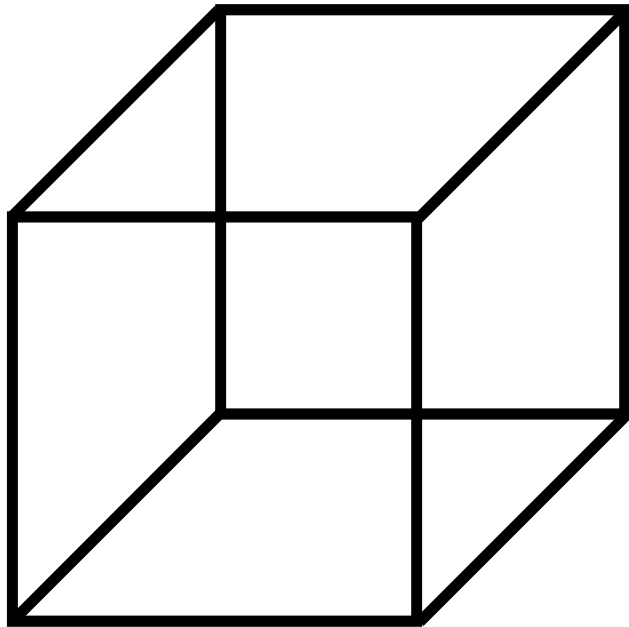
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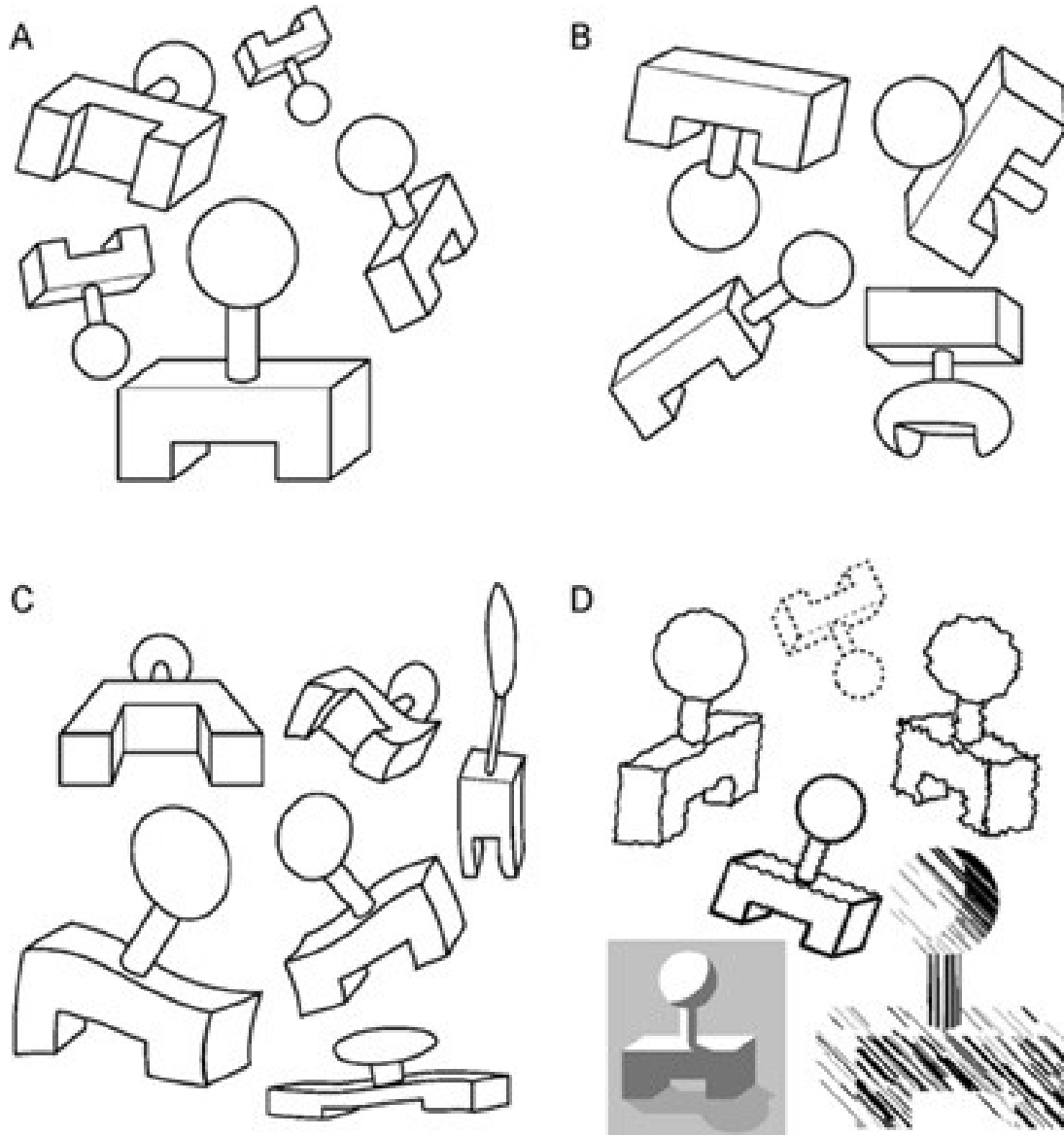
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Multistability



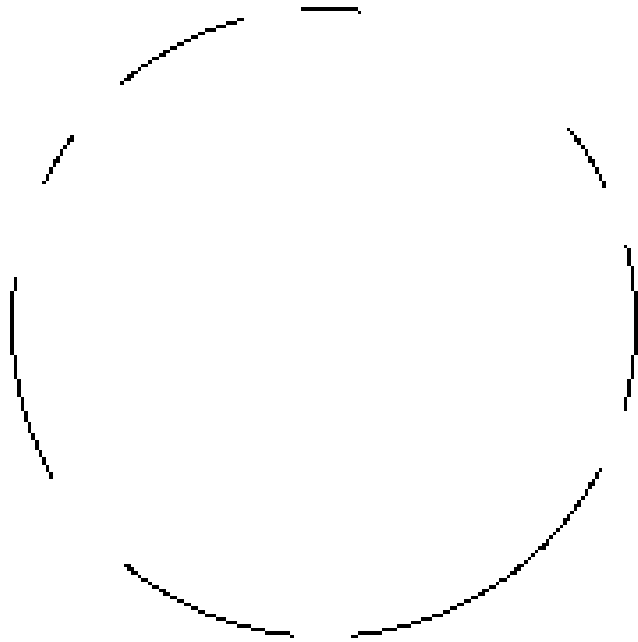
Invariance



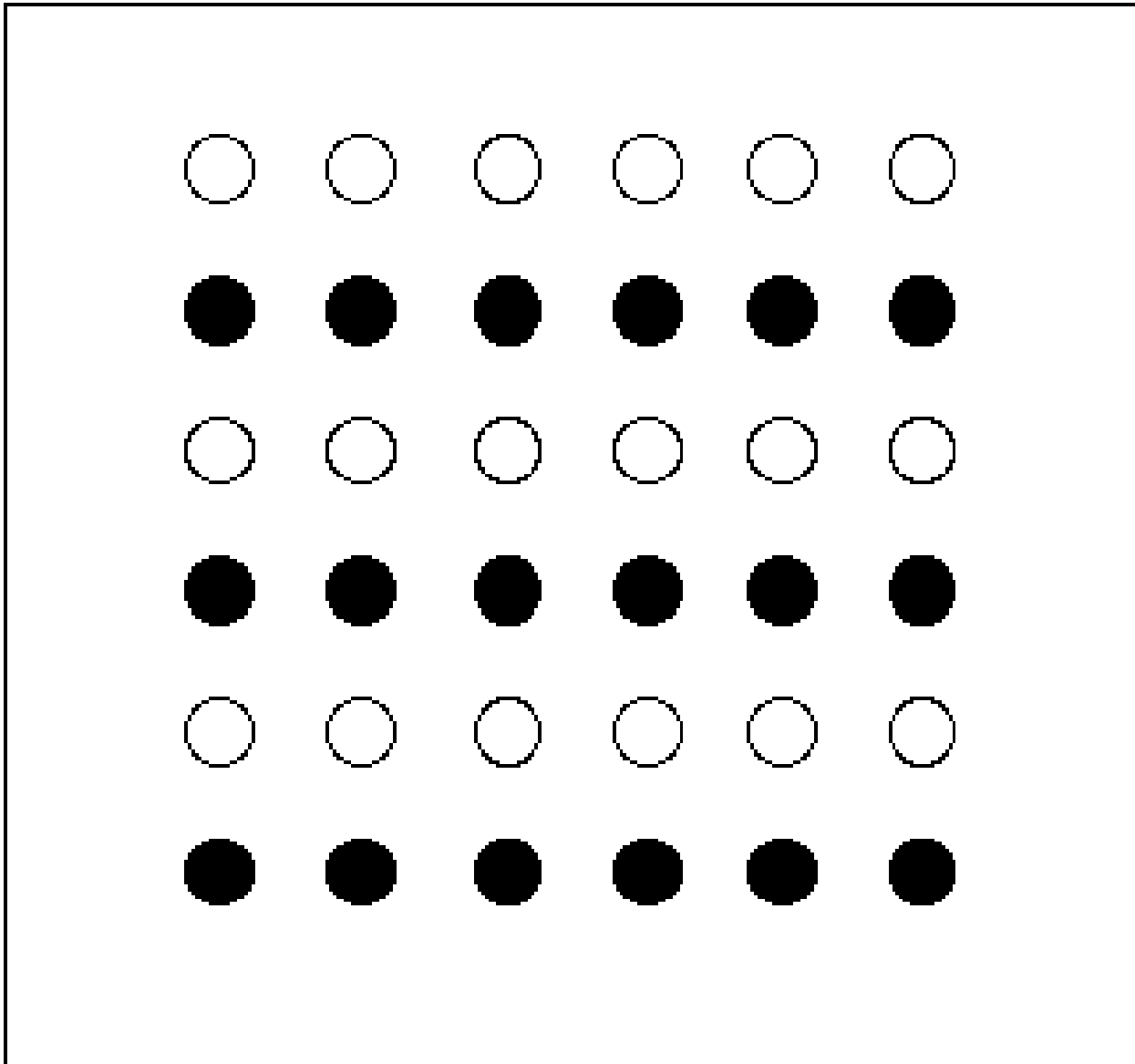
Praegnantz

- Law of Closure: complete a regular figure
- Law of Similarity: group similar entities
- Law of Proximity: spatial/temporal proximity results in a perception of totality or a collective
- Law of Symmetry: symmetrical images are perceived collectively, even in spite of distance
- Law of Continuity: the mind continues visual, auditory, and kinetic patterns
- Law of Common Fate: elements with the same moving direction are perceived as a unit

Closure



Similarity



Proximity

