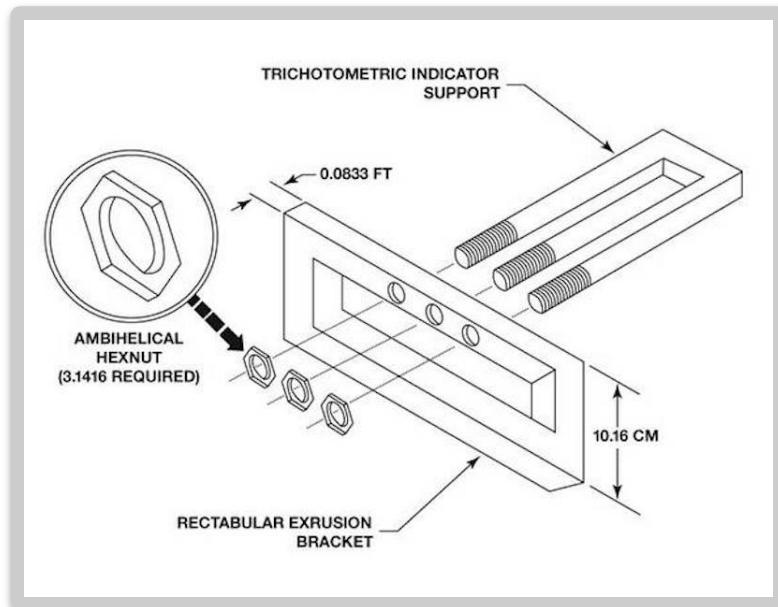


Visual Illusions

seeing how the mind sees



George Matthews, Plymouth State University

2020

Theories of knowledge

rationalism

- Mind deduces the basic nature of things from fundamental concepts; knowledge results from things through careful thought.

empiricism

- Mind passively receives information from outside; knowledge requires dropping pre-conceived ideas about what things are like and letting the data speak for itself.

constructivism

- Mind organizes raw data into a coherent picture of reality, so knowledge involves building models and testing them against new information.



?

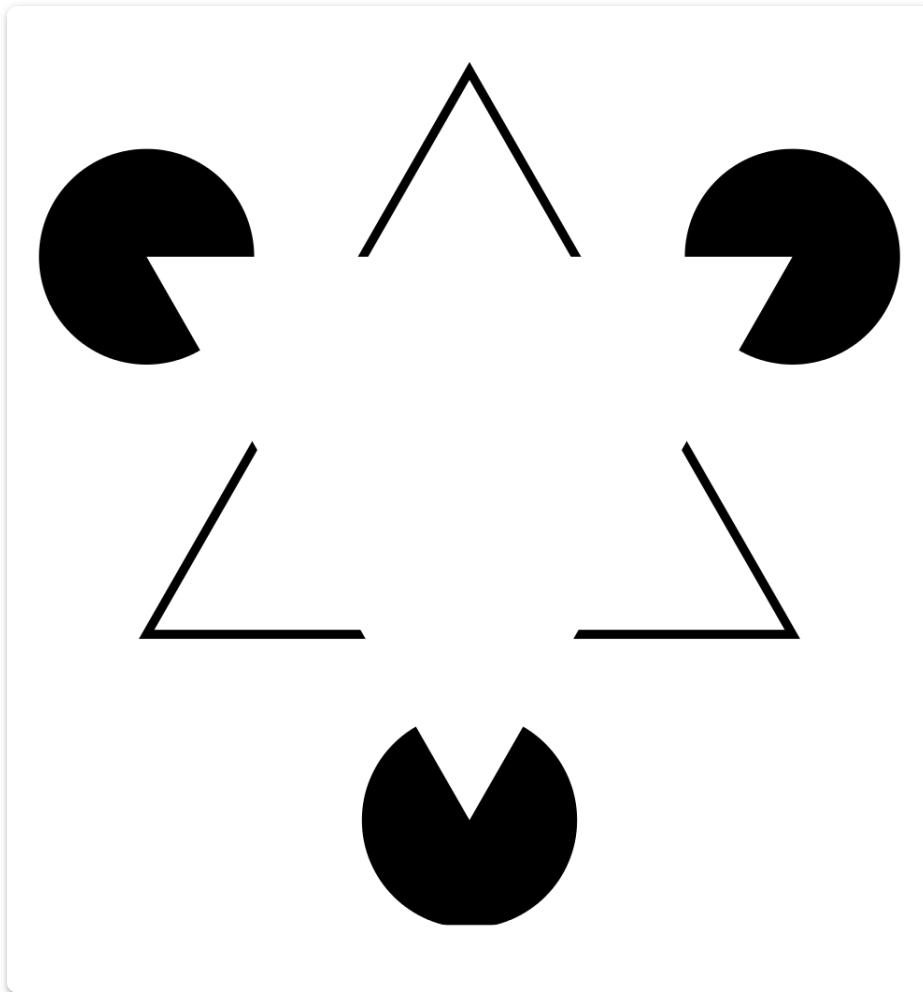
If the world that we experience is a mental construct, how does this affect our ability to know what things are really like?

Completing the picture

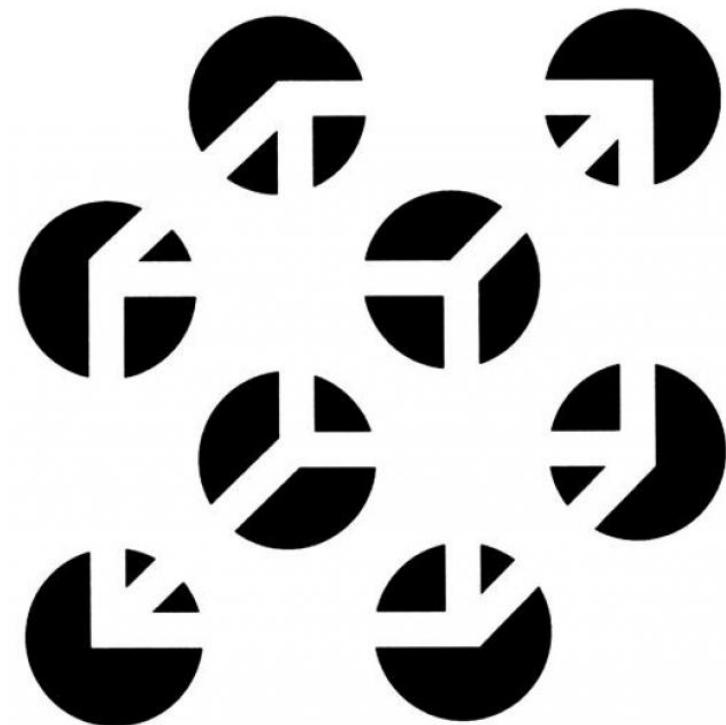
Completing the picture



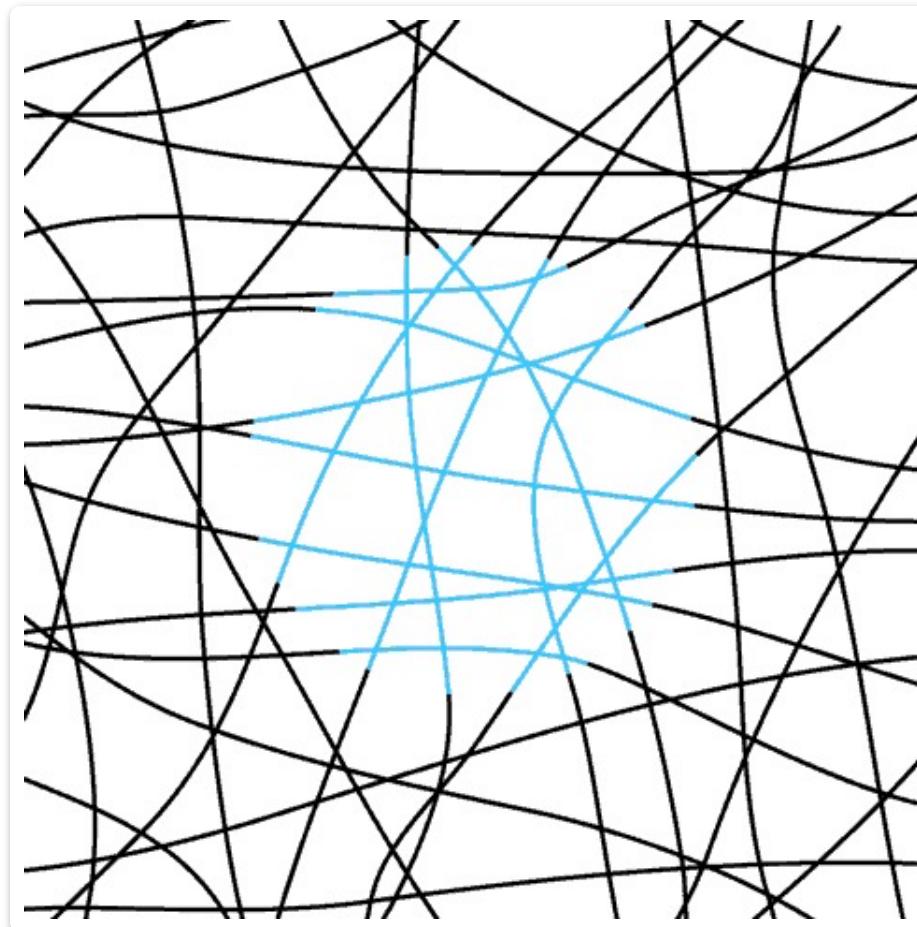
Completing the picture



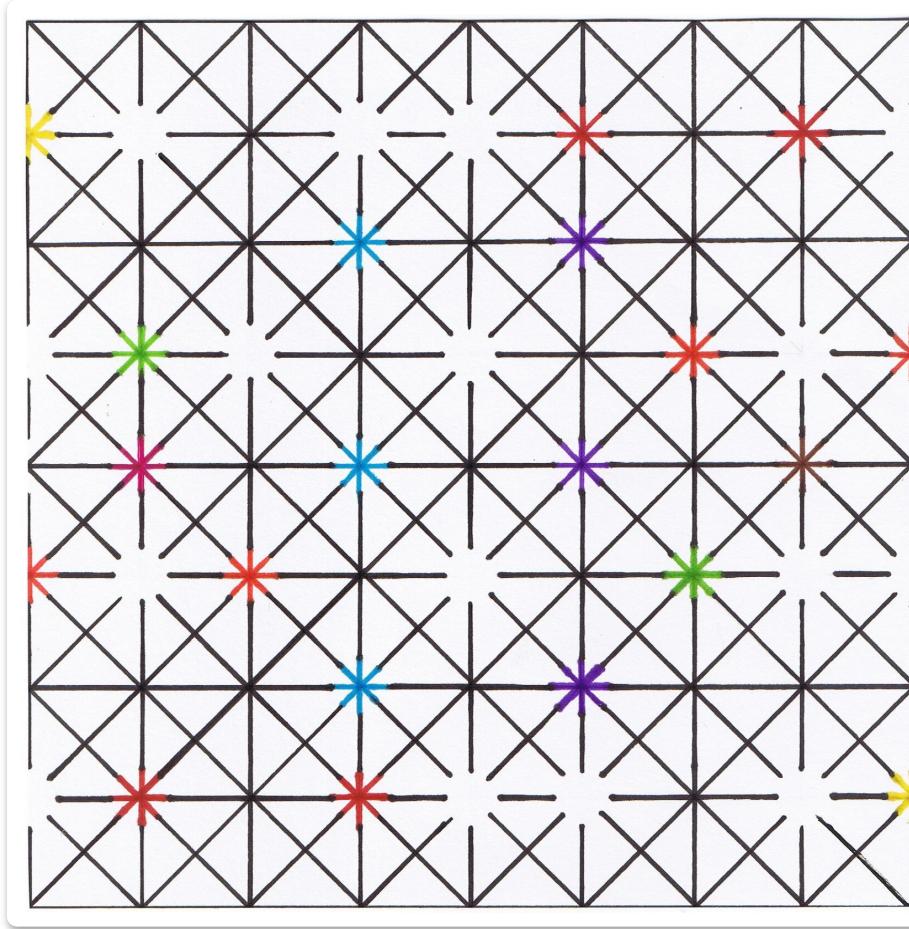
Completing the picture



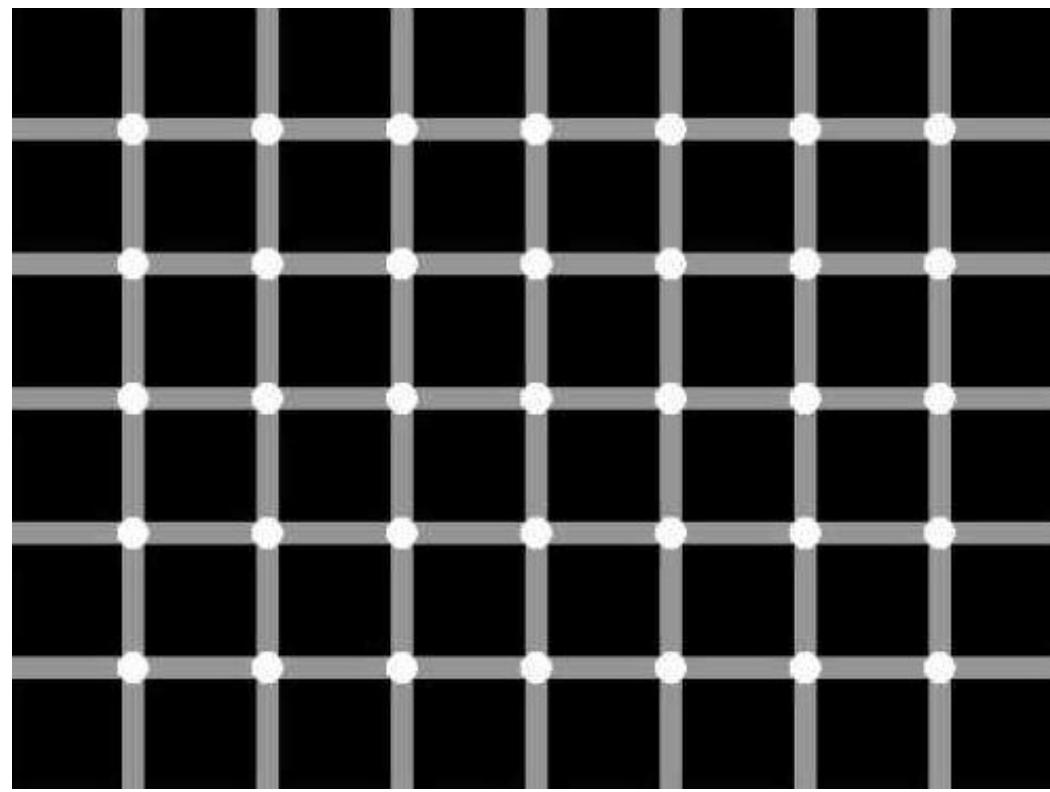
Completing the picture



Completing the picture

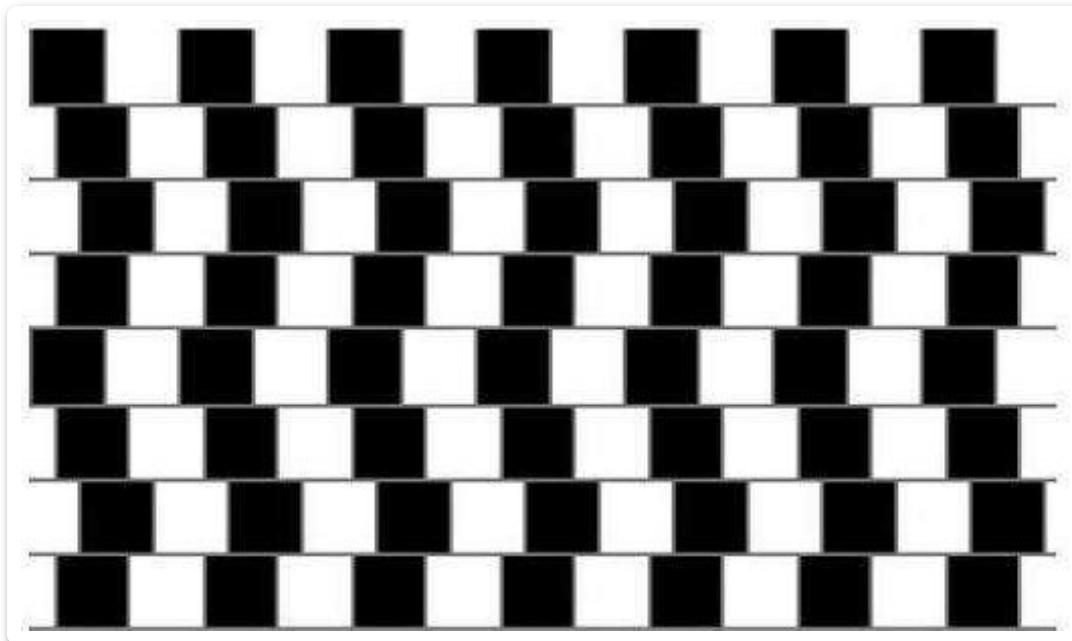


Completing the picture

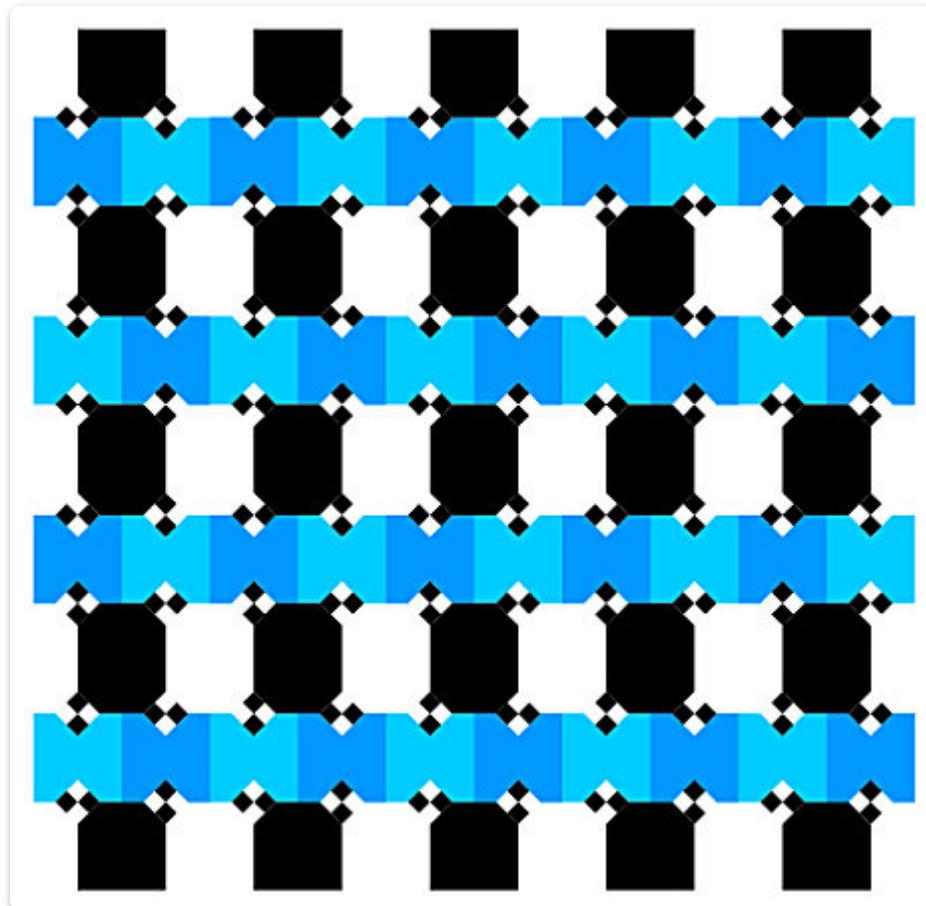


Orienting things in space

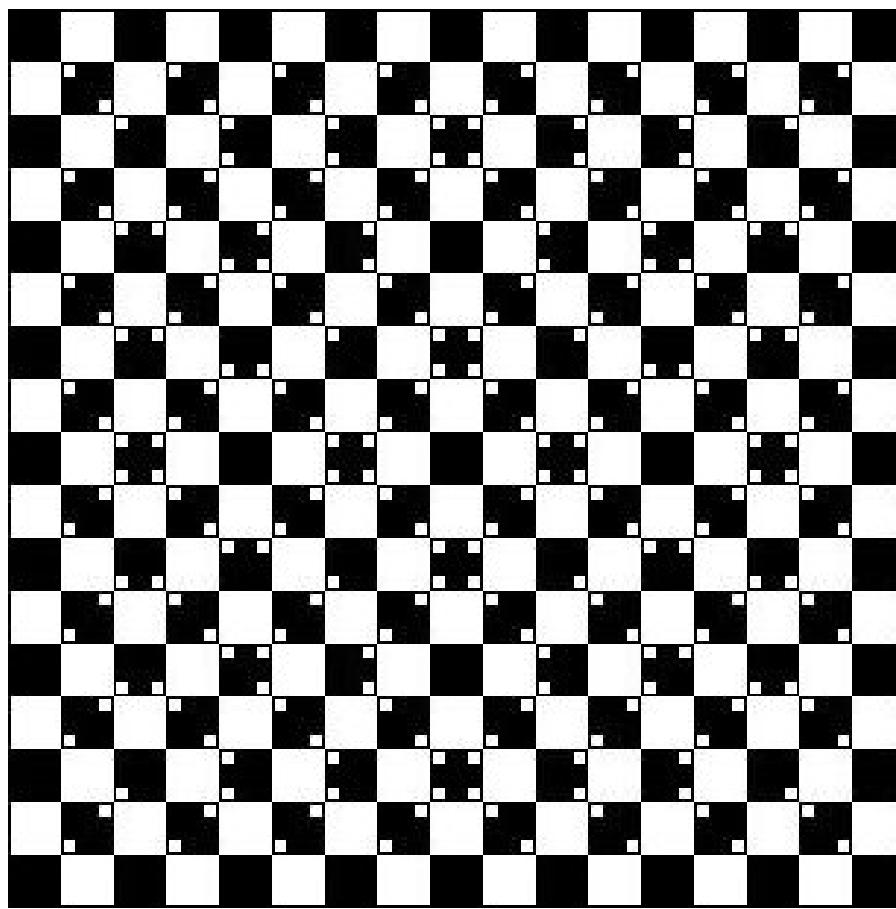
Orienting things in space



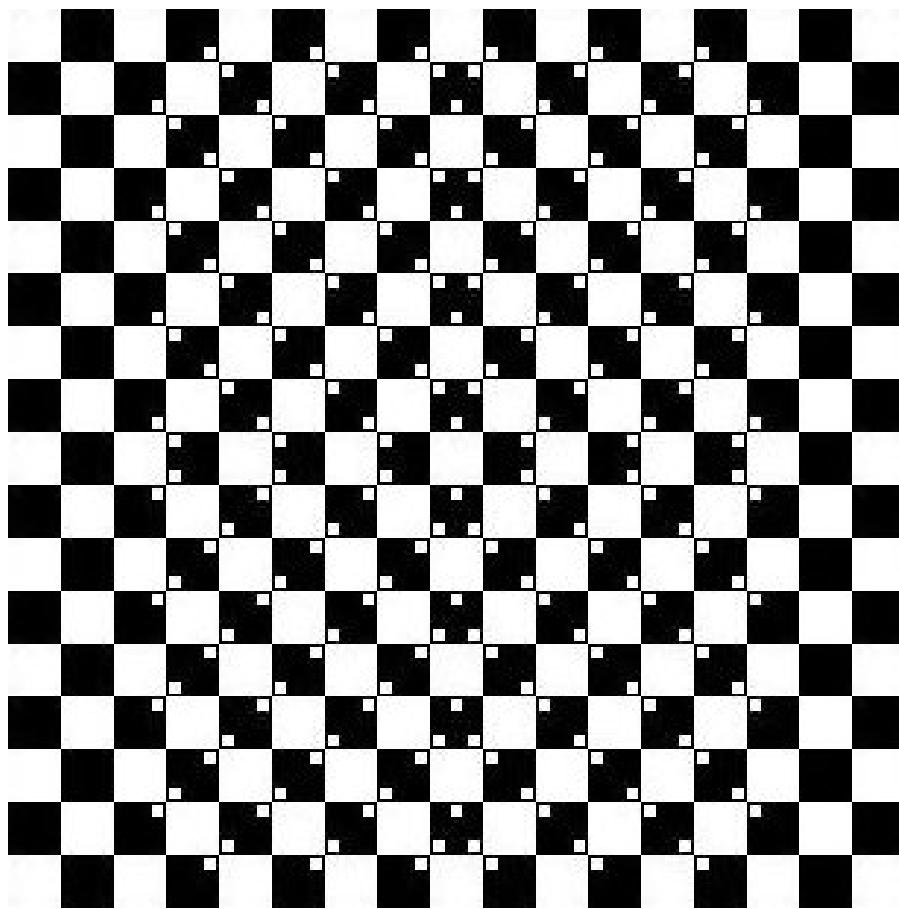
Orienting things in space



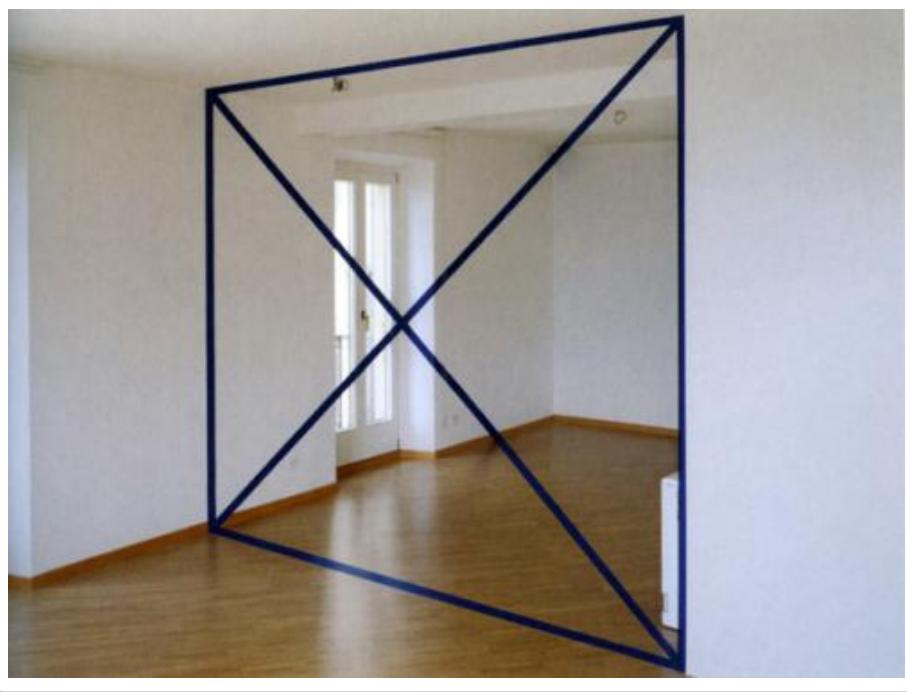
Orienting things in space



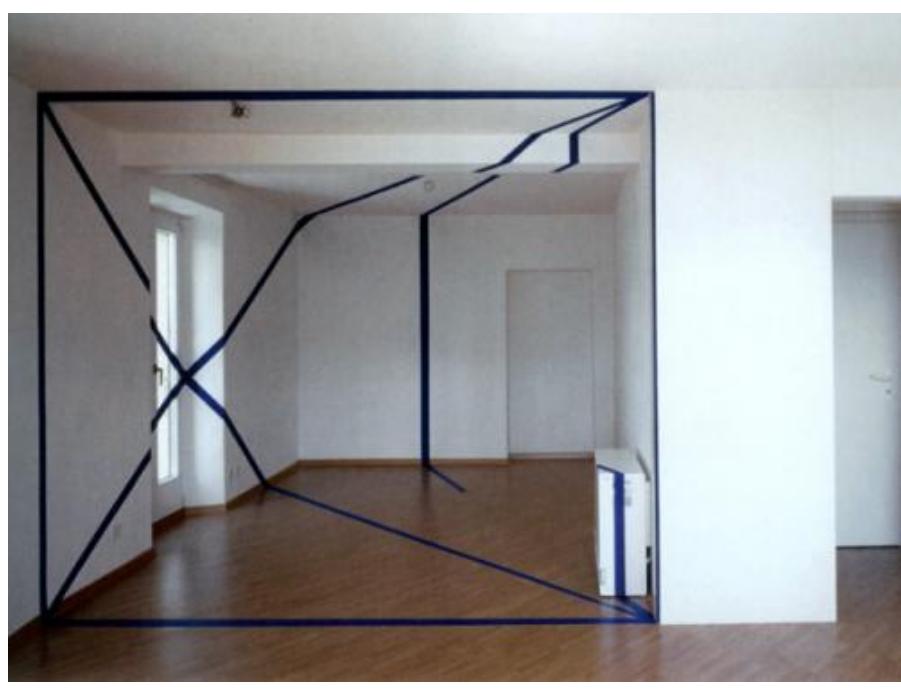
Orienting things in space



Orienting things in space



Orienting things in space



Orienting things in space



Orienting things in space



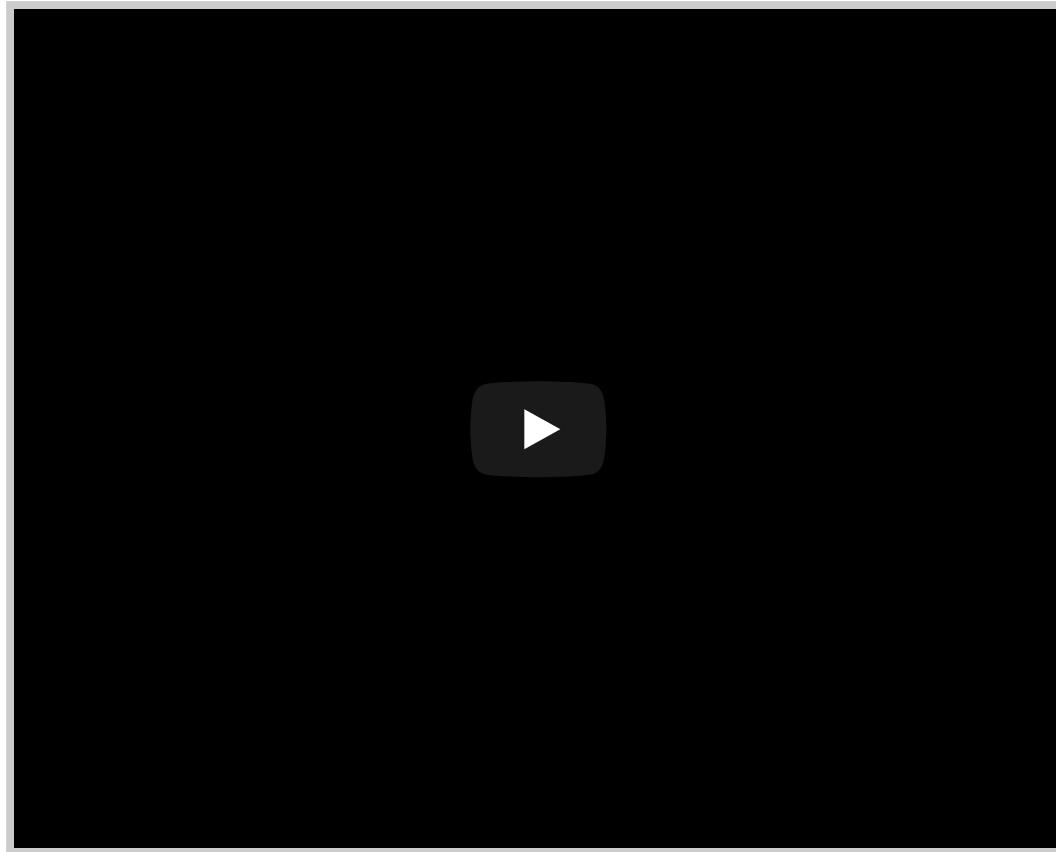
Orienting things in space



Orienting things in space

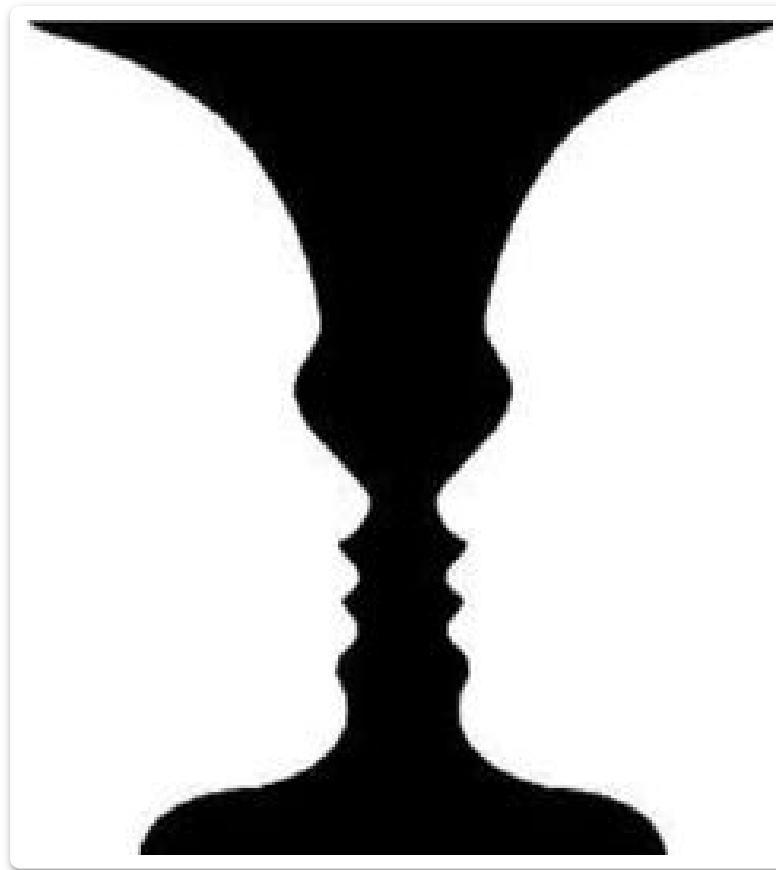


Orienting things in space



Interpreting objects

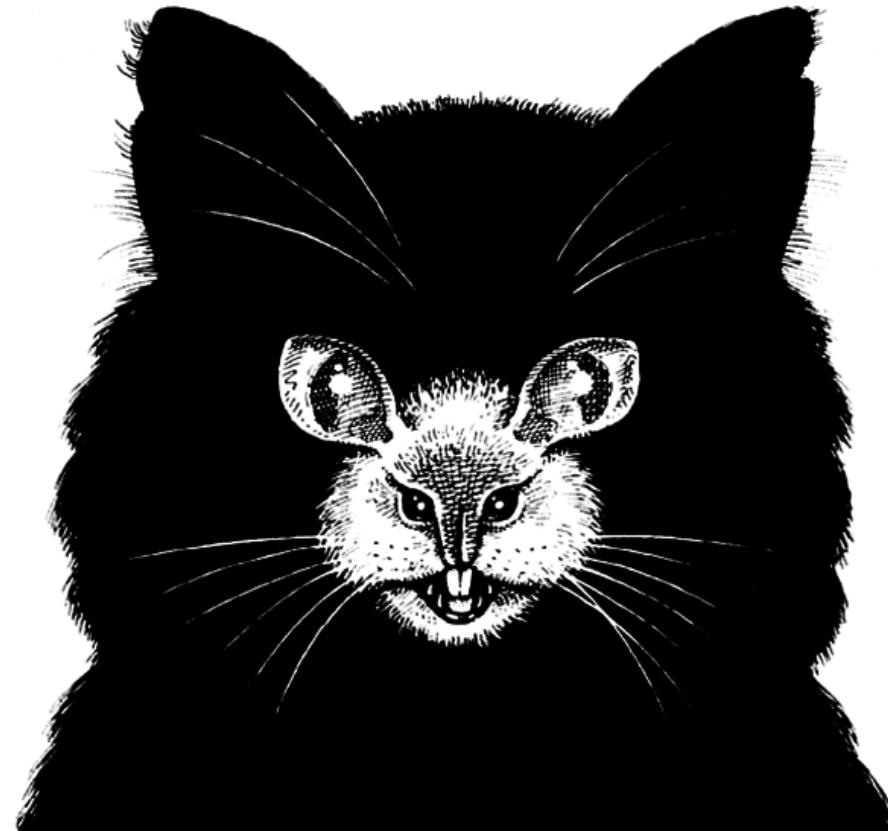
Interpreting objects



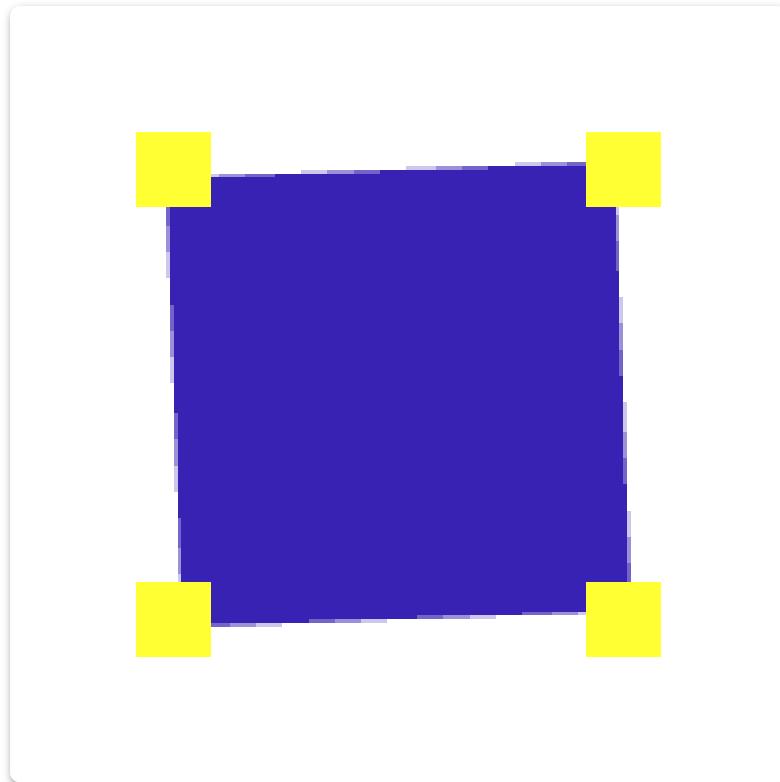
Interpreting objects



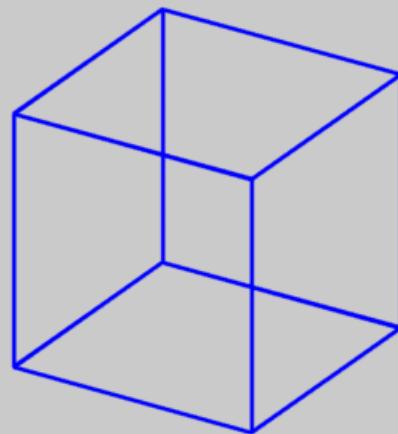
Interpreting objects



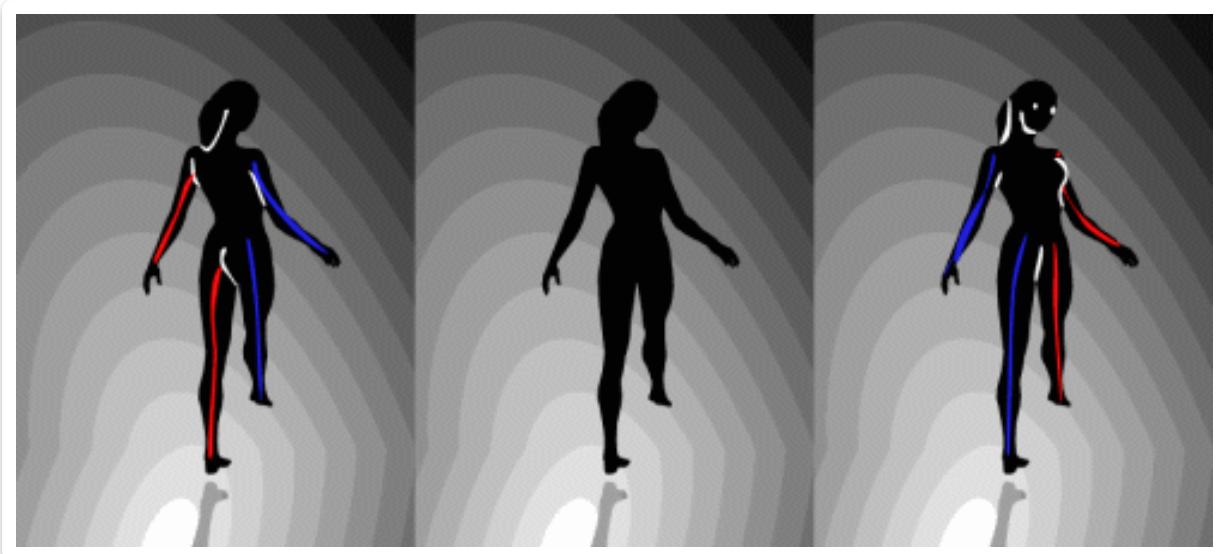
Interpreting objects



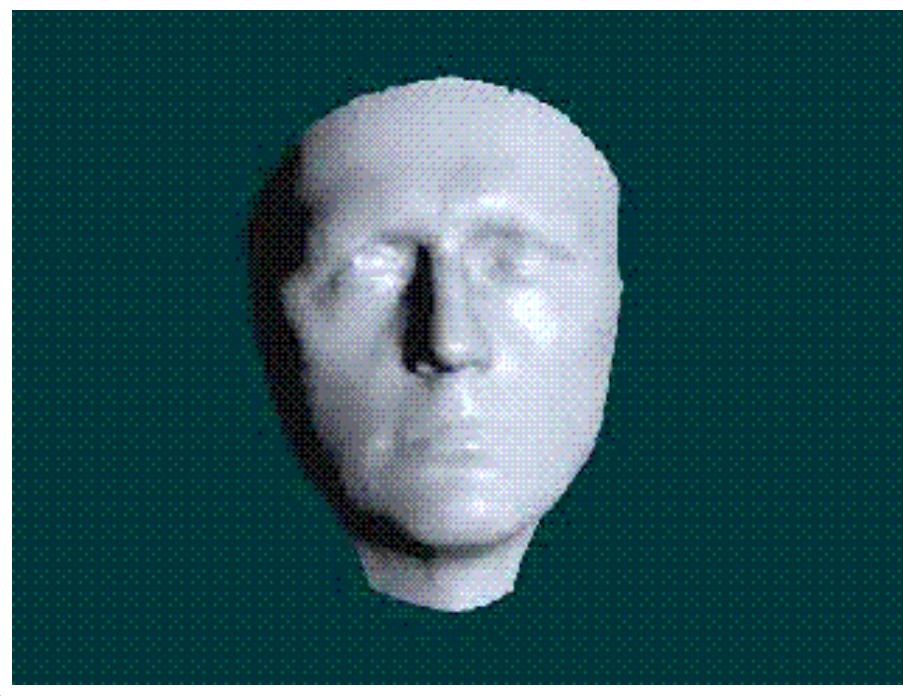
Interpreting objects



Interpreting objects



Interpreting objects

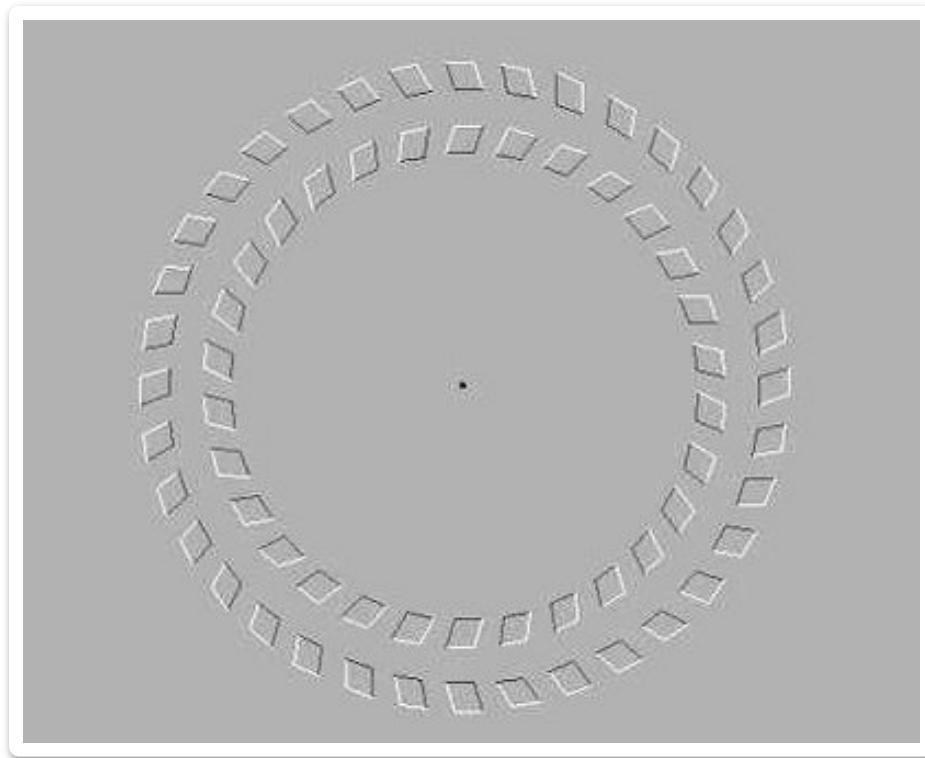


Interpreting objects

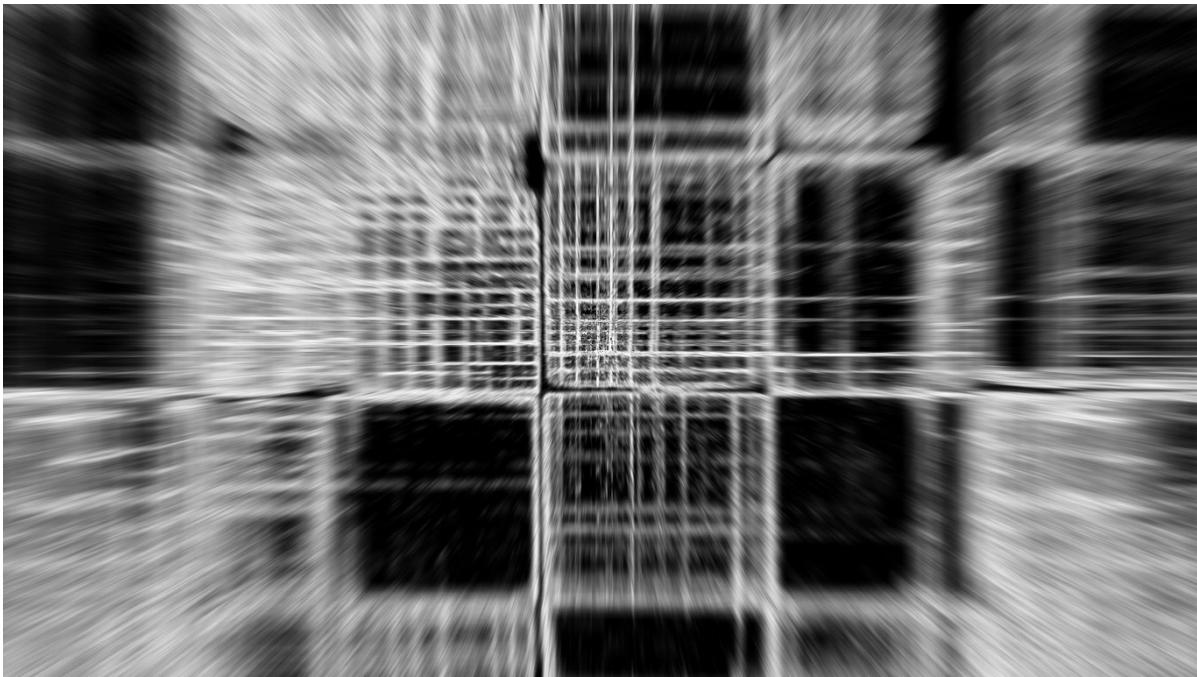


Perceiving motion

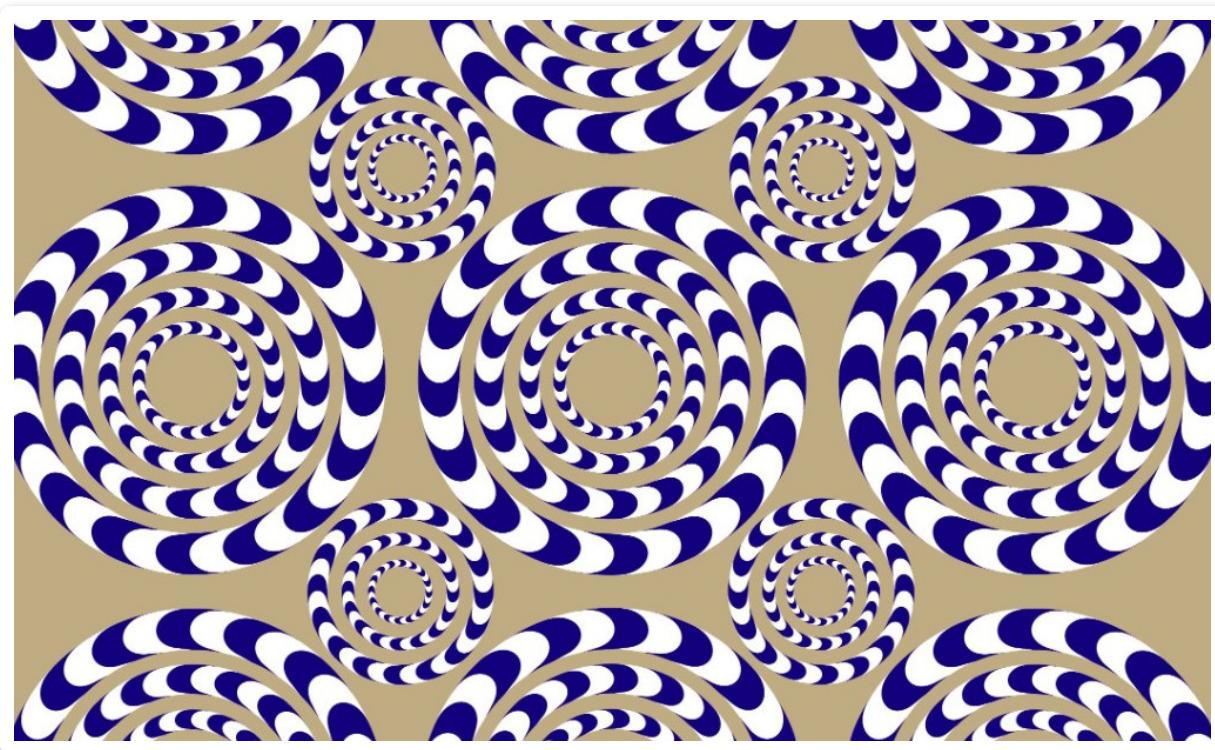
Perceiving motion



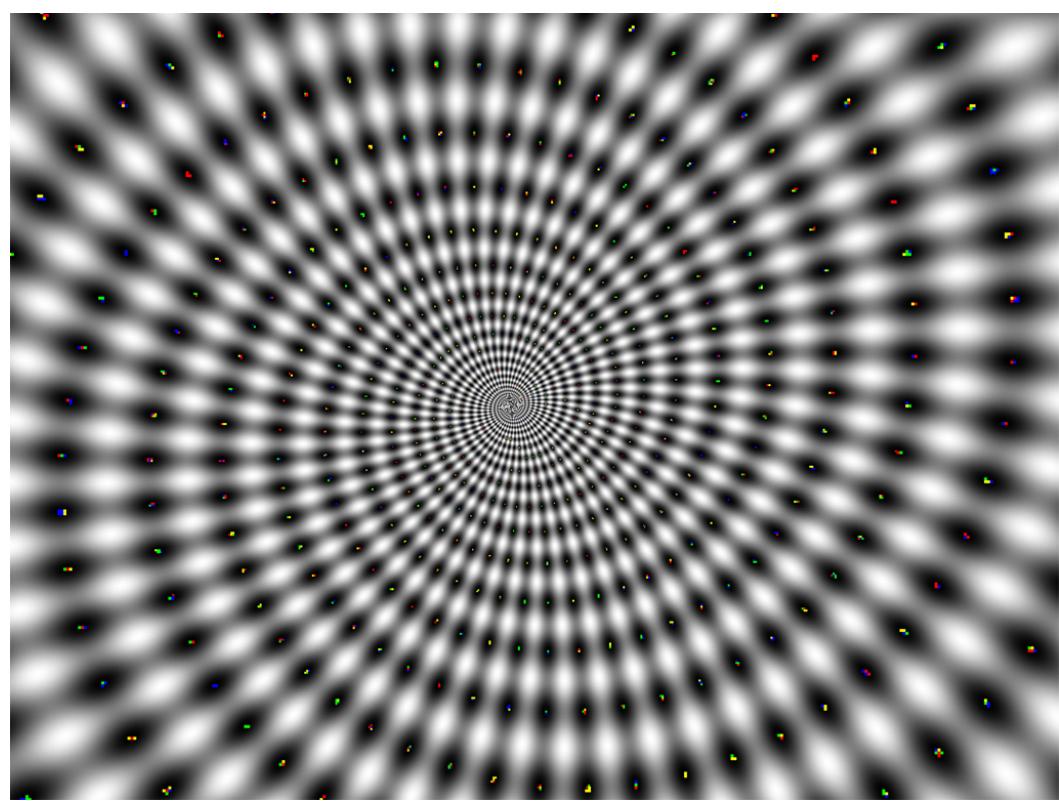
Perceiving motion



Perceiving motion

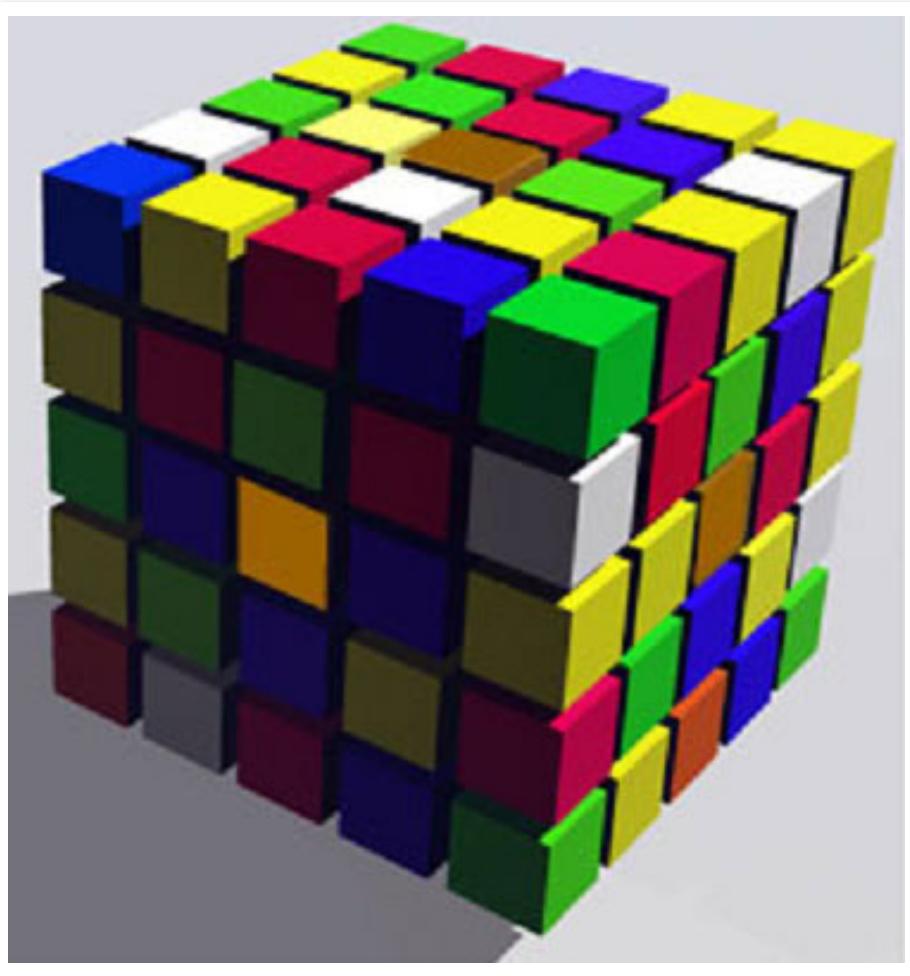


Perceiving motion

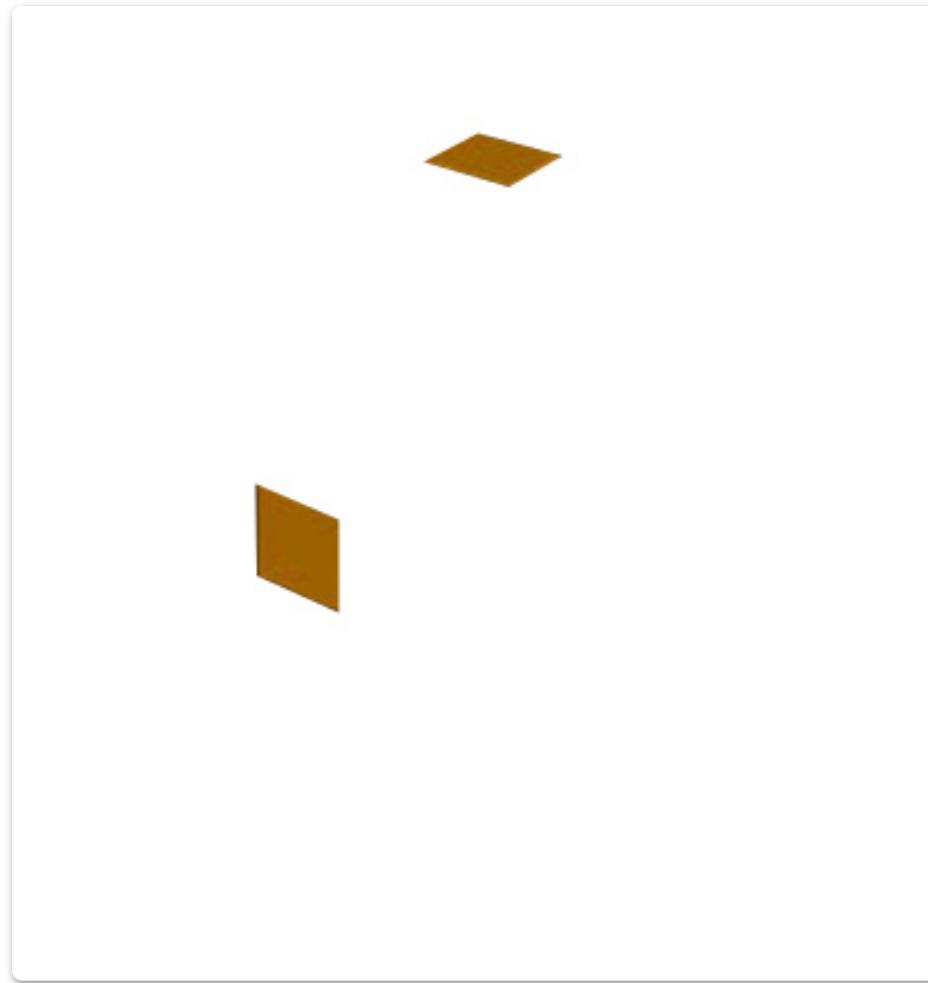


Perceiving color

Perceiving color



Perceiving color

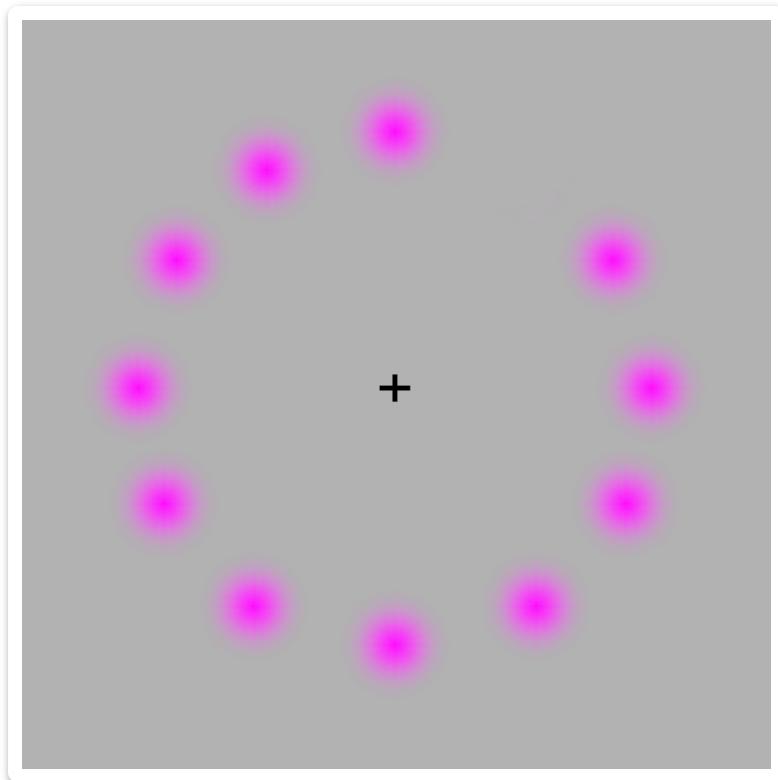


Perceiving color



Perceiving color

Perceiving color



Perceiving color



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