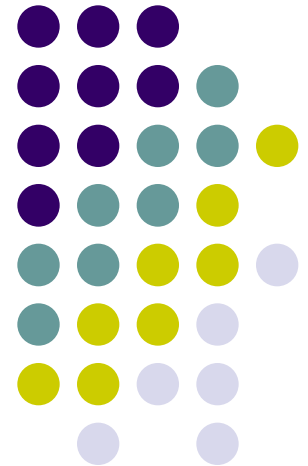
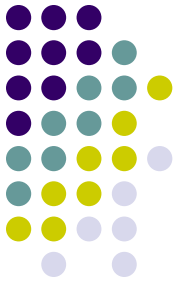
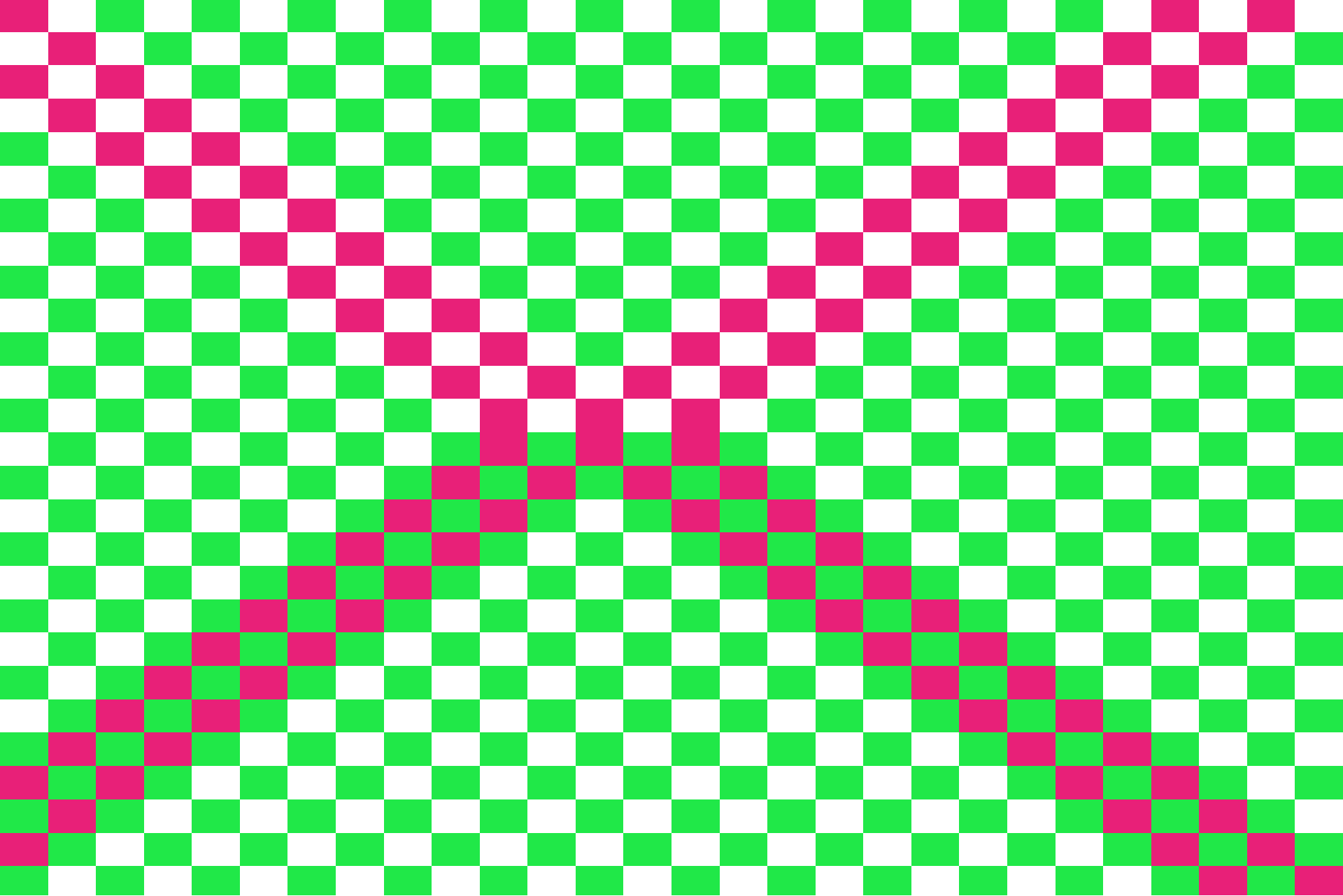


Optical Illusions

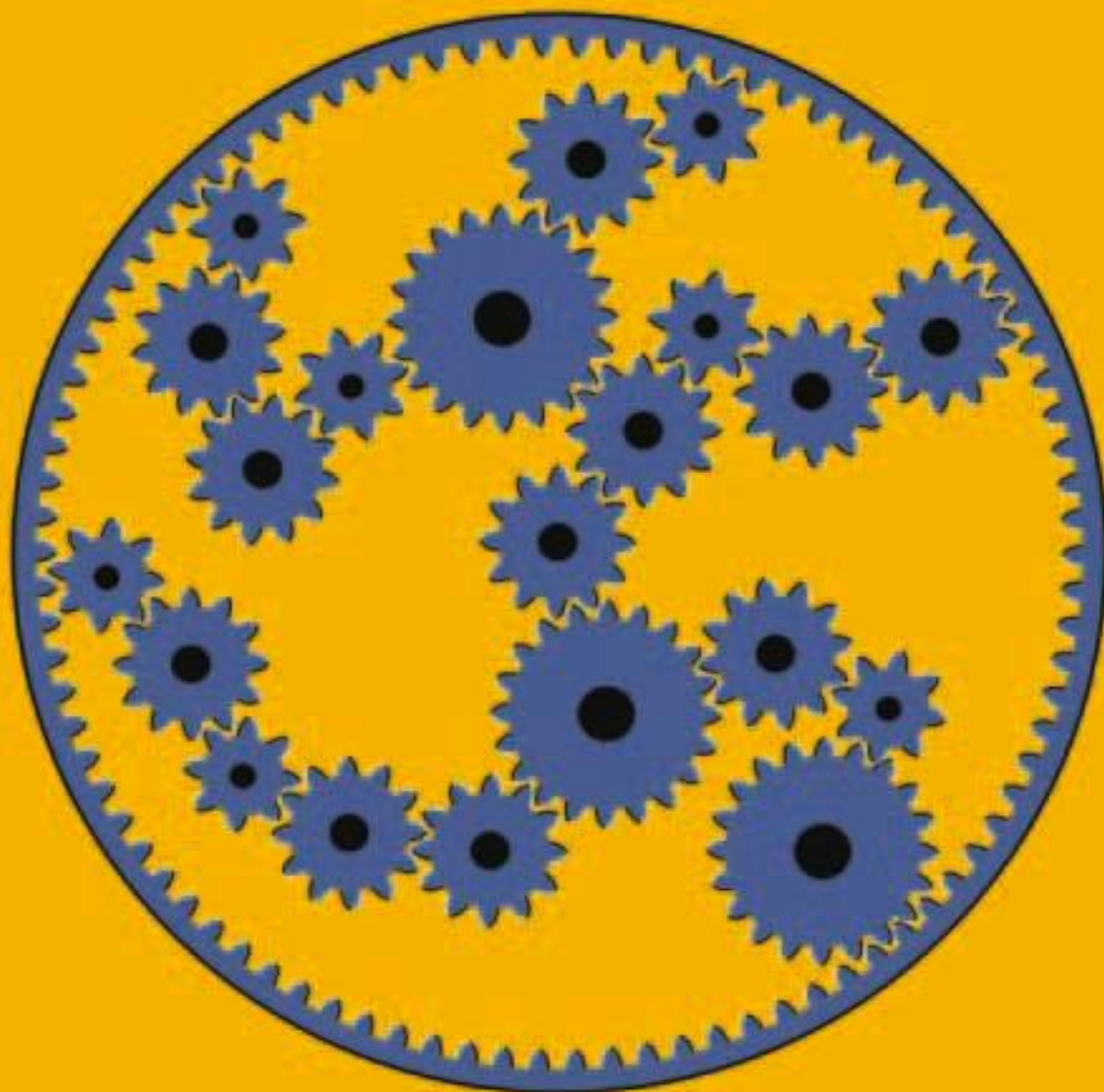




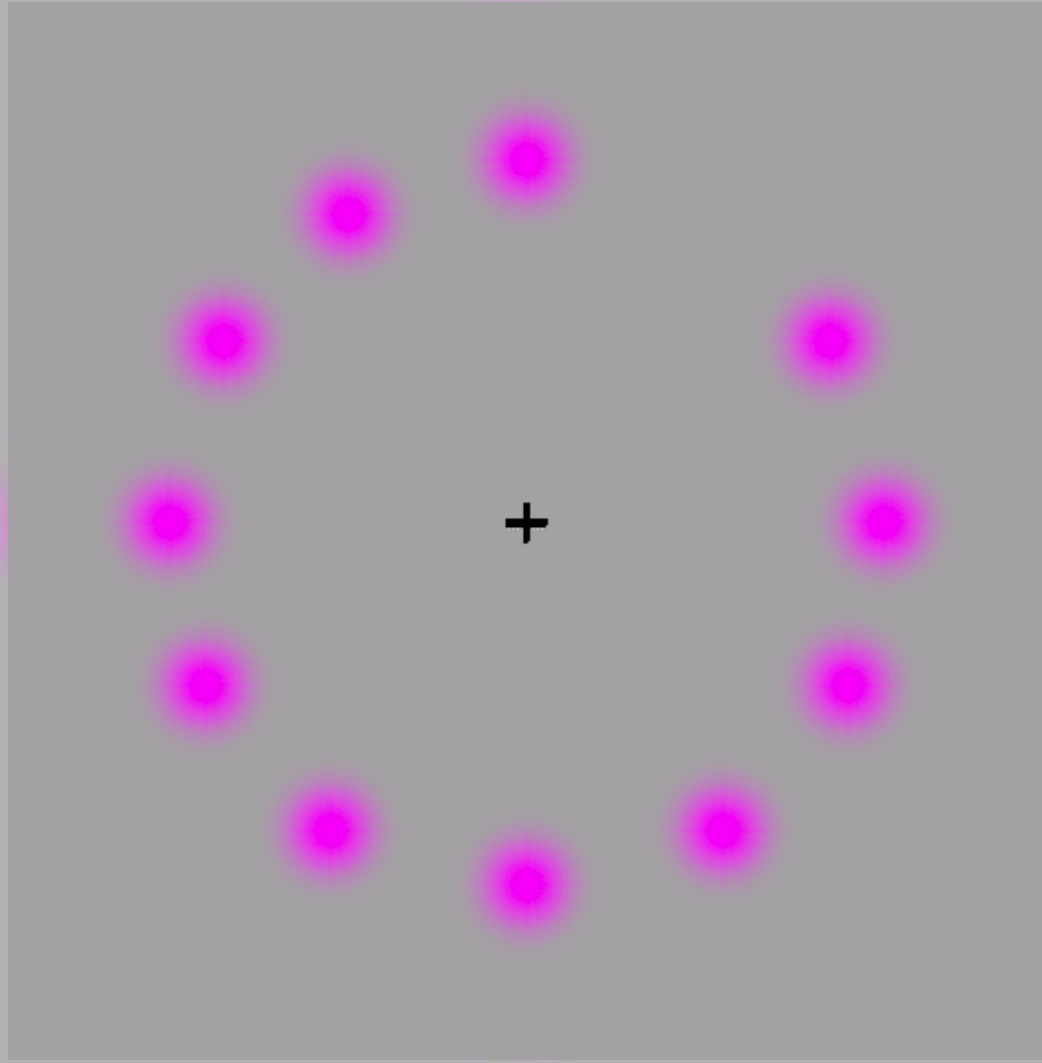
Graphic Illusions



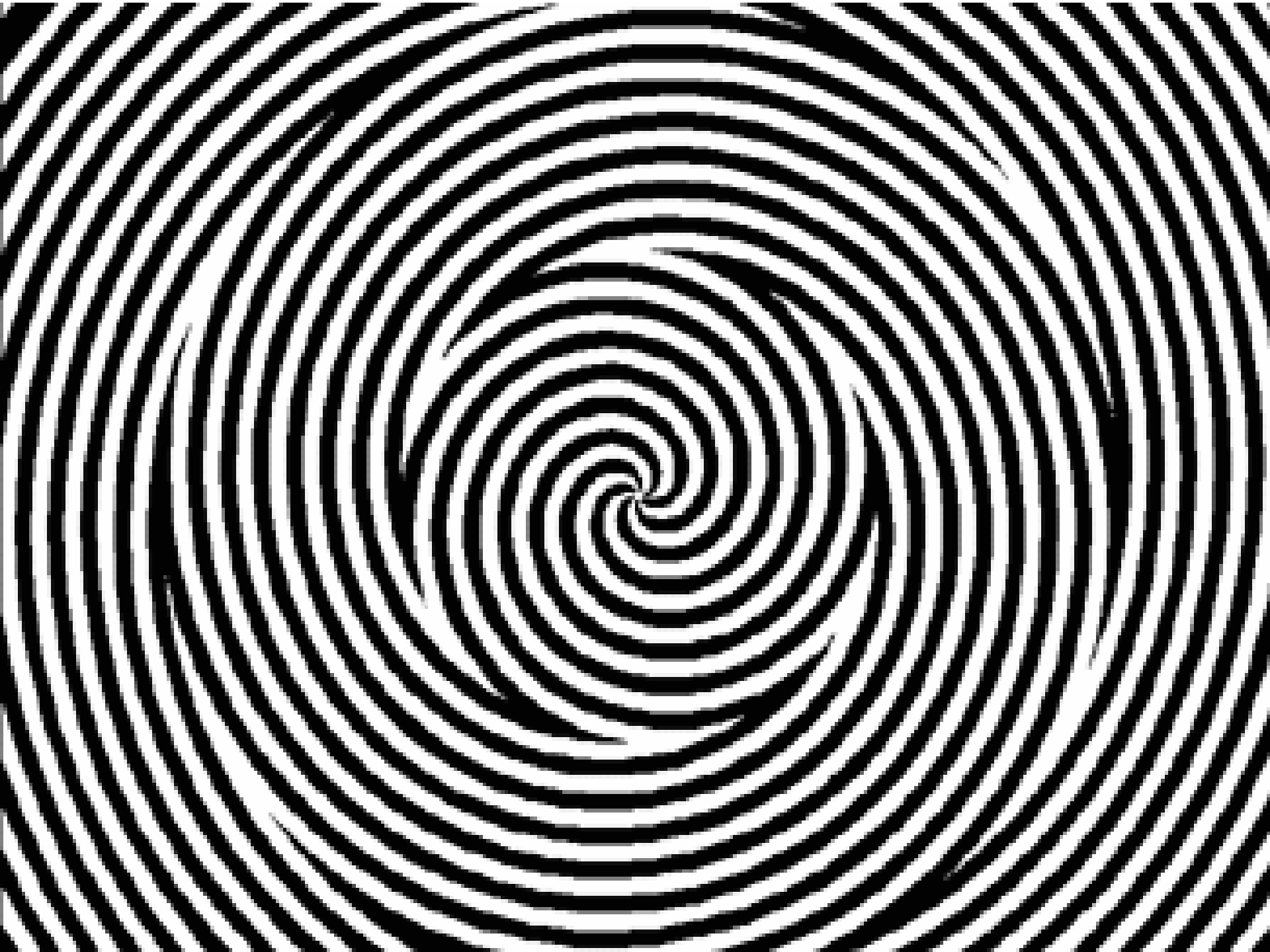
The red squares are the same color in the upper part and in the lower part of the "X"



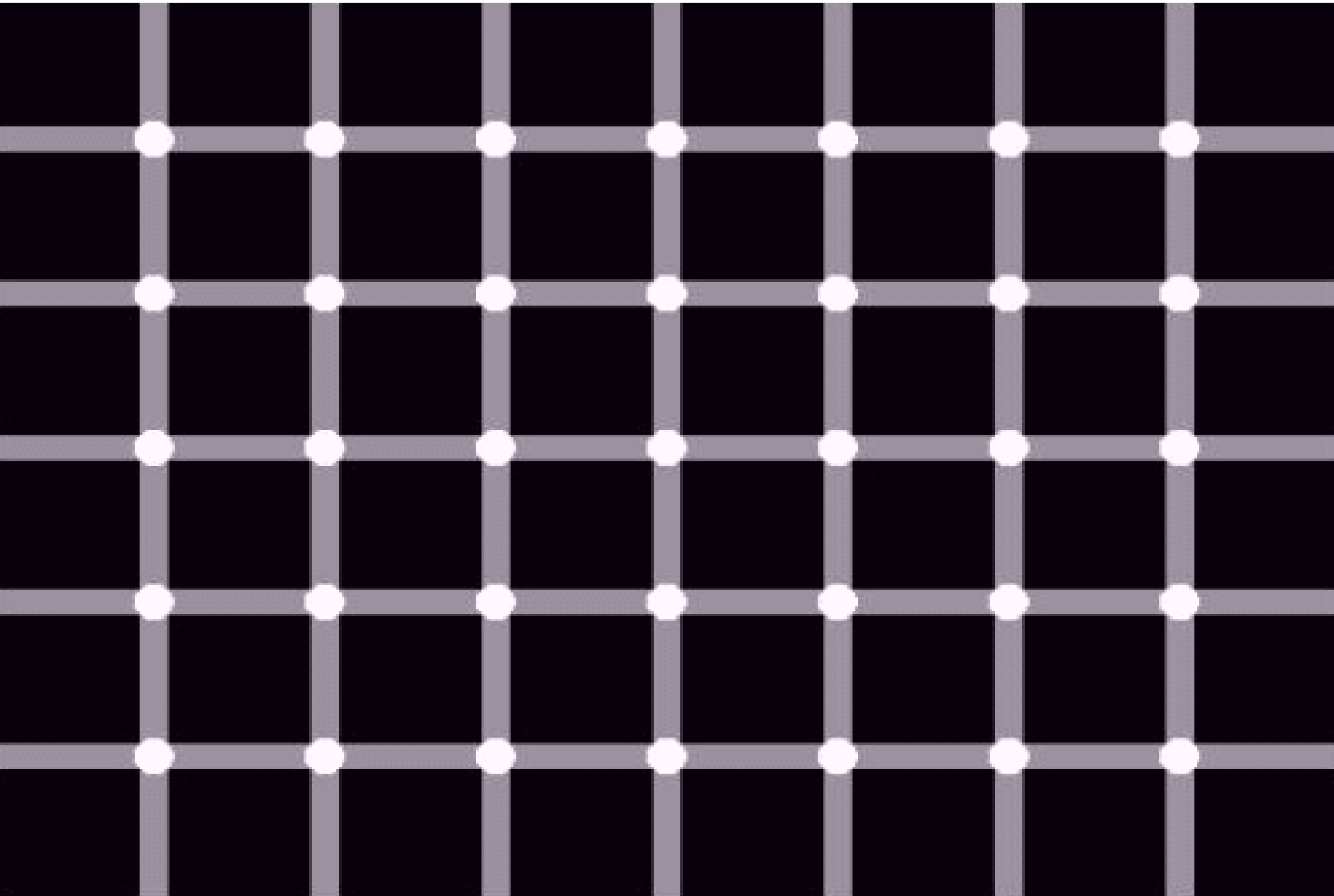
Afterimage



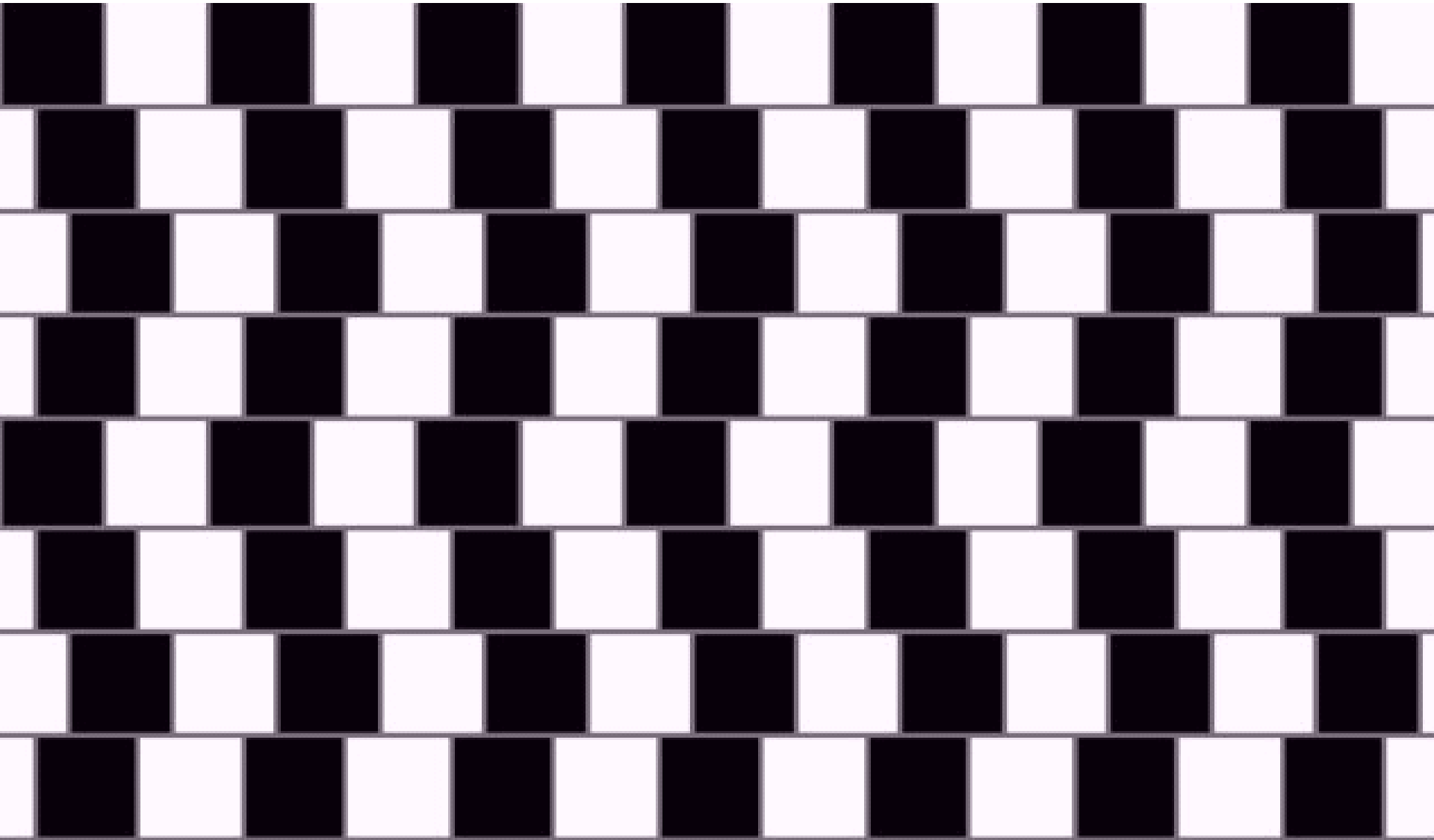
An afterimage is a visual impression that remains in the retina after the initial stimulus is removed. The afterimage always has colors that are complementary to those of the original image. Look steadily at the cross in the center of the picture to see an afterimage.



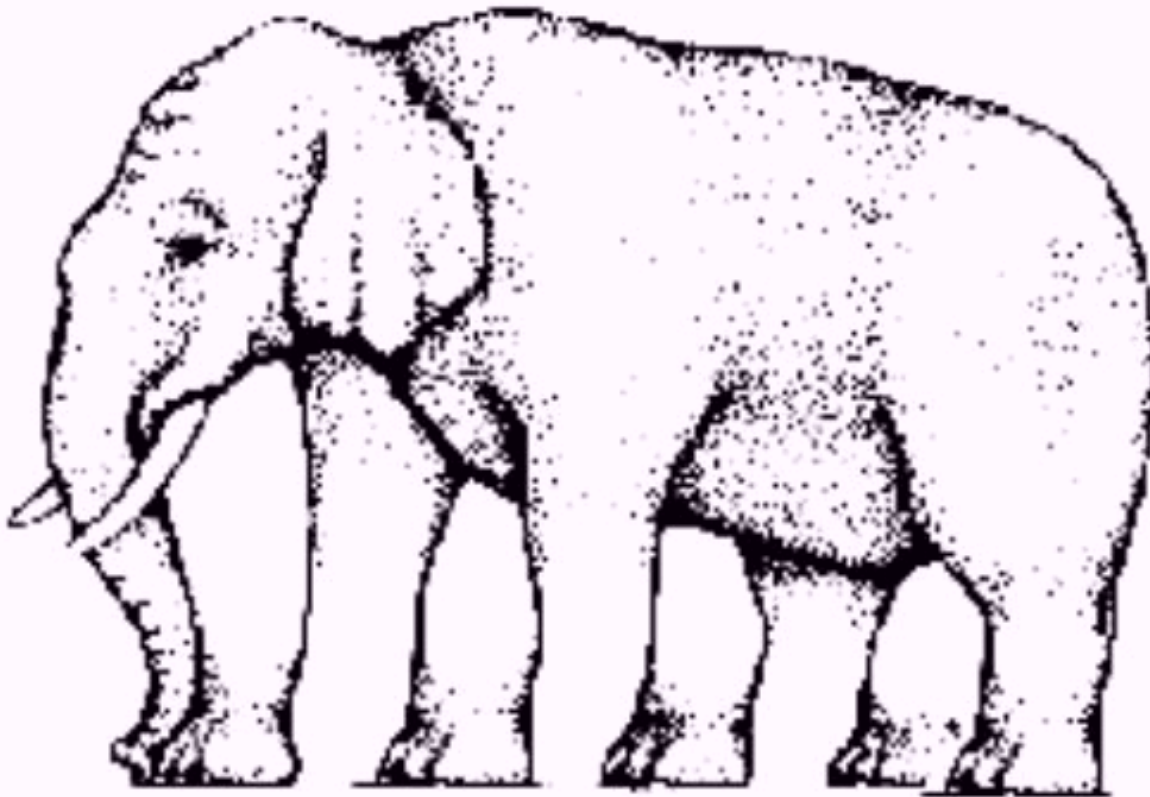




Count the black dots



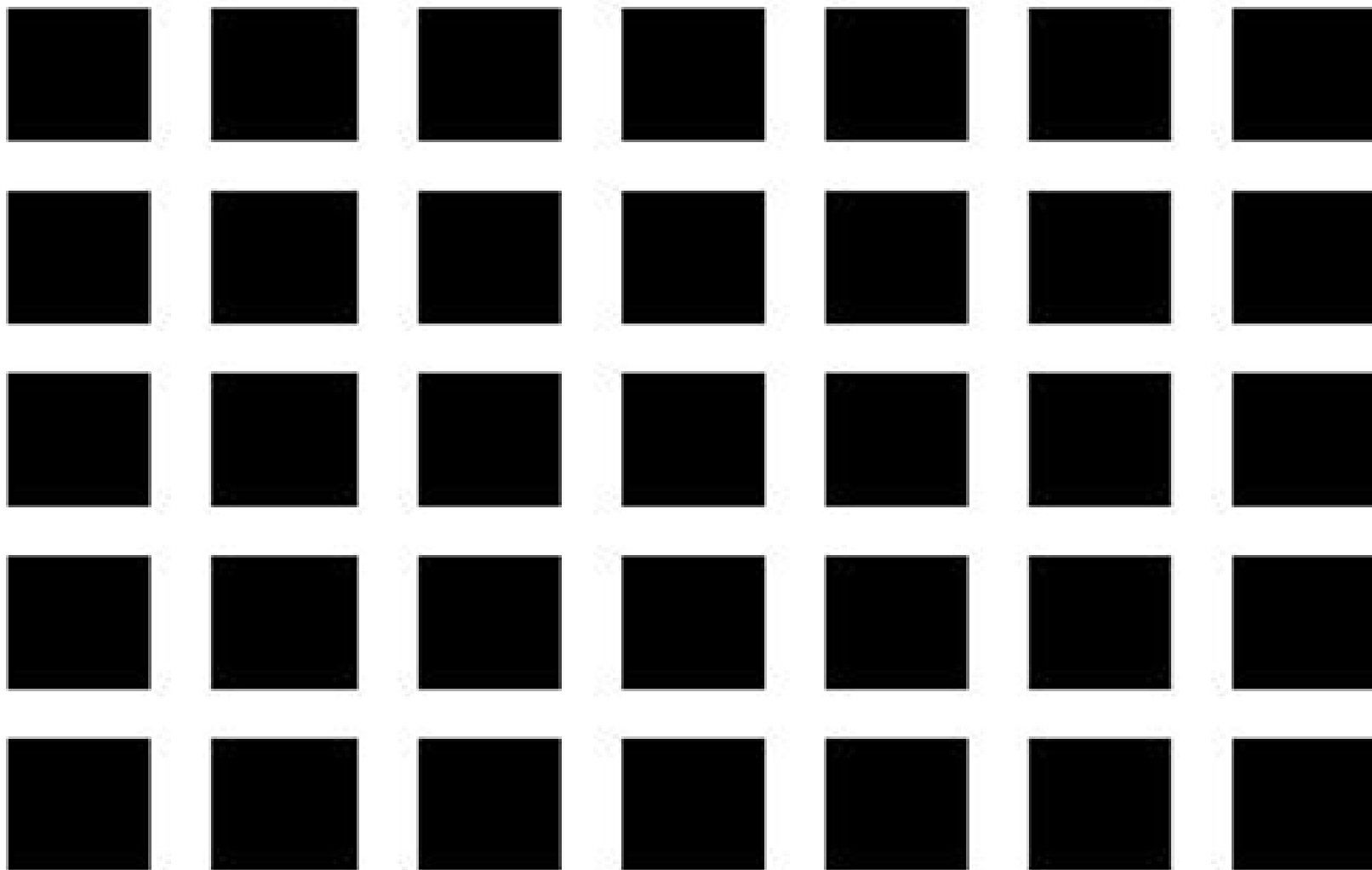
Are the horizontal lines parallel or do they slope?



How many legs does this elephant have?



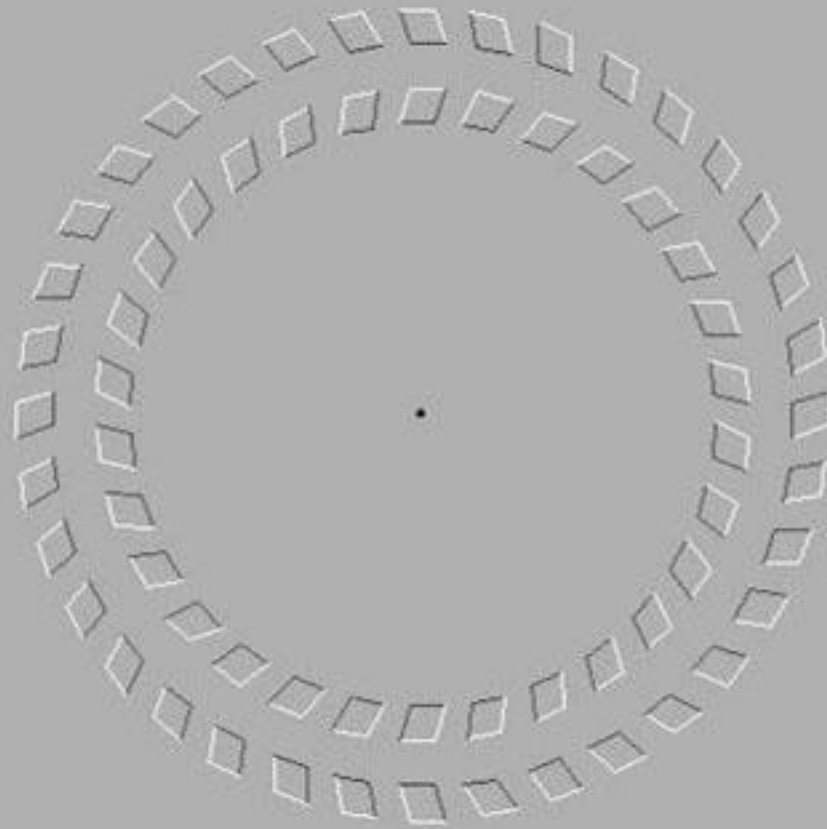
Do you see the face? Or an Eskimo?



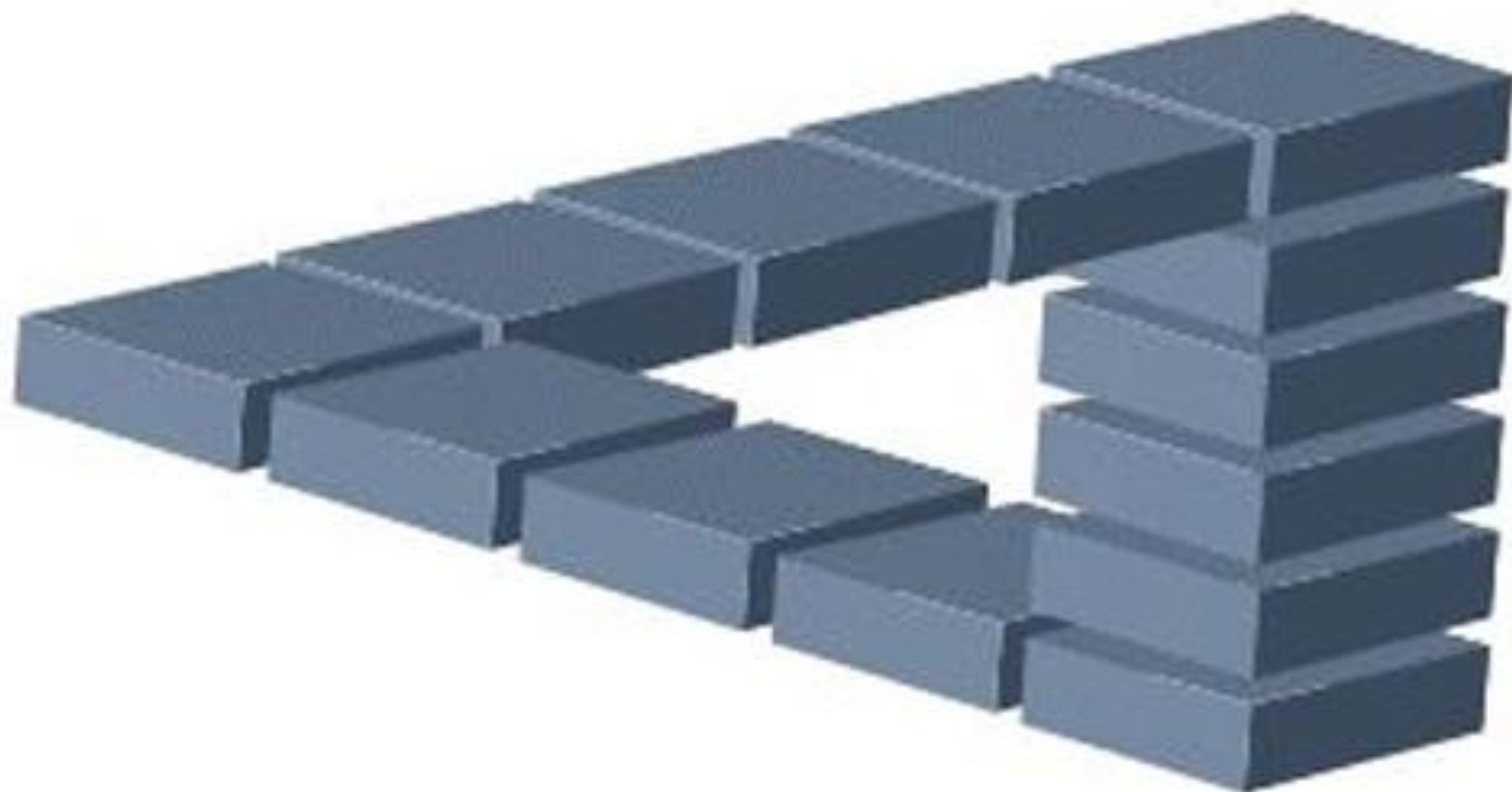
**Do you see gray areas in between the squares?
Now where did they come from?**



Are the purple lines straight or bent?



**Focus on the dot in the centre and move your head
Backwards and forwards, weird hey....**



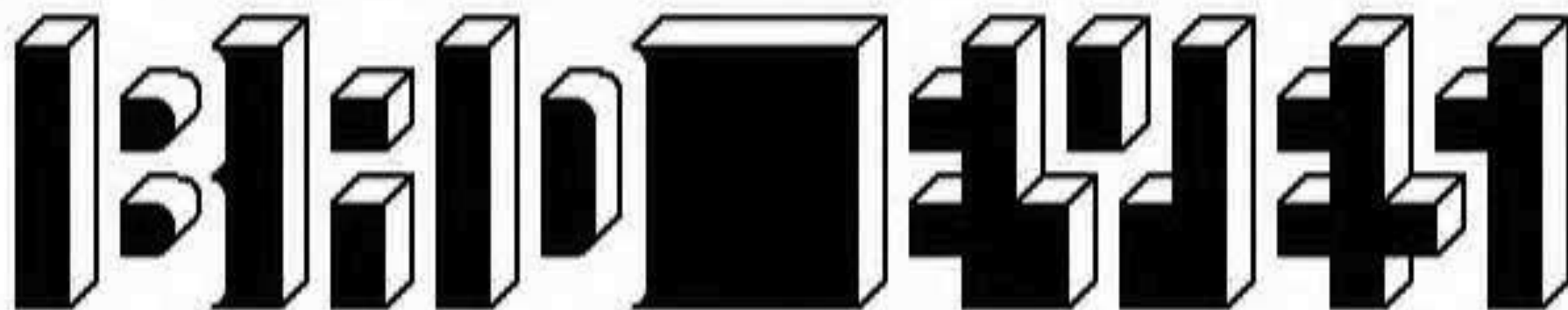
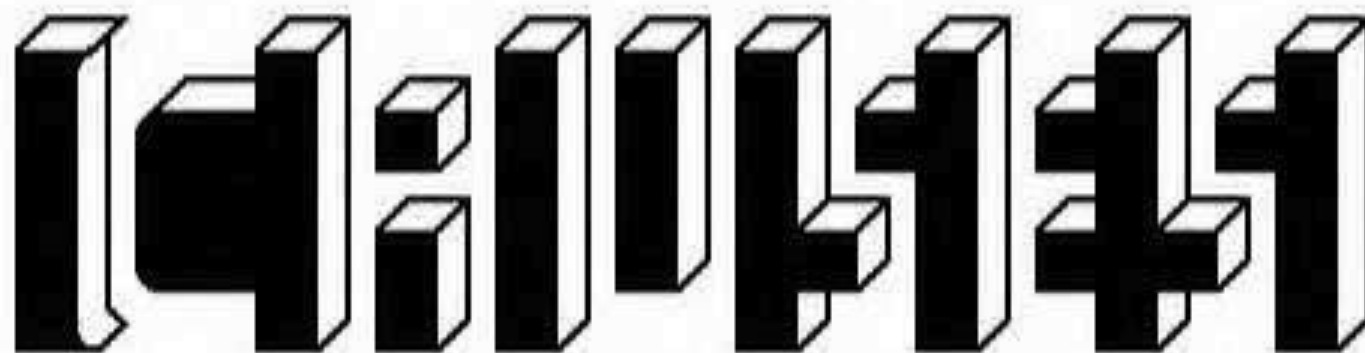
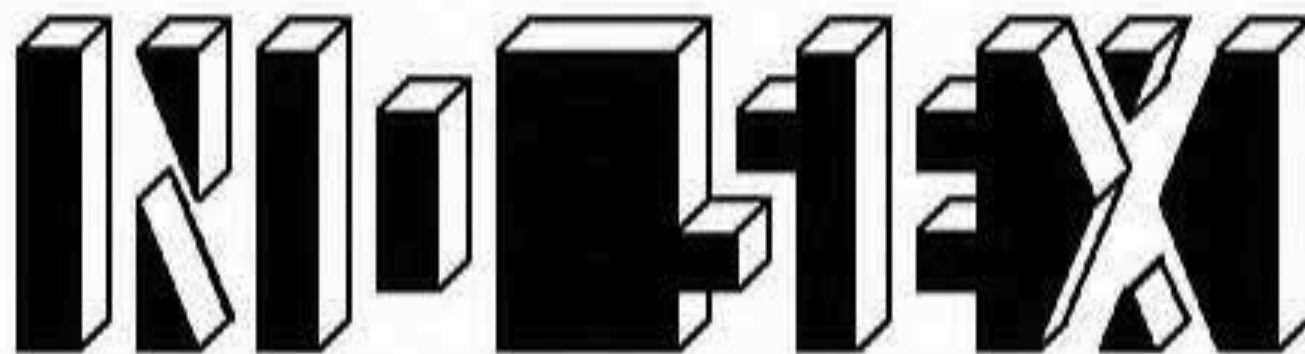
Is this possible?



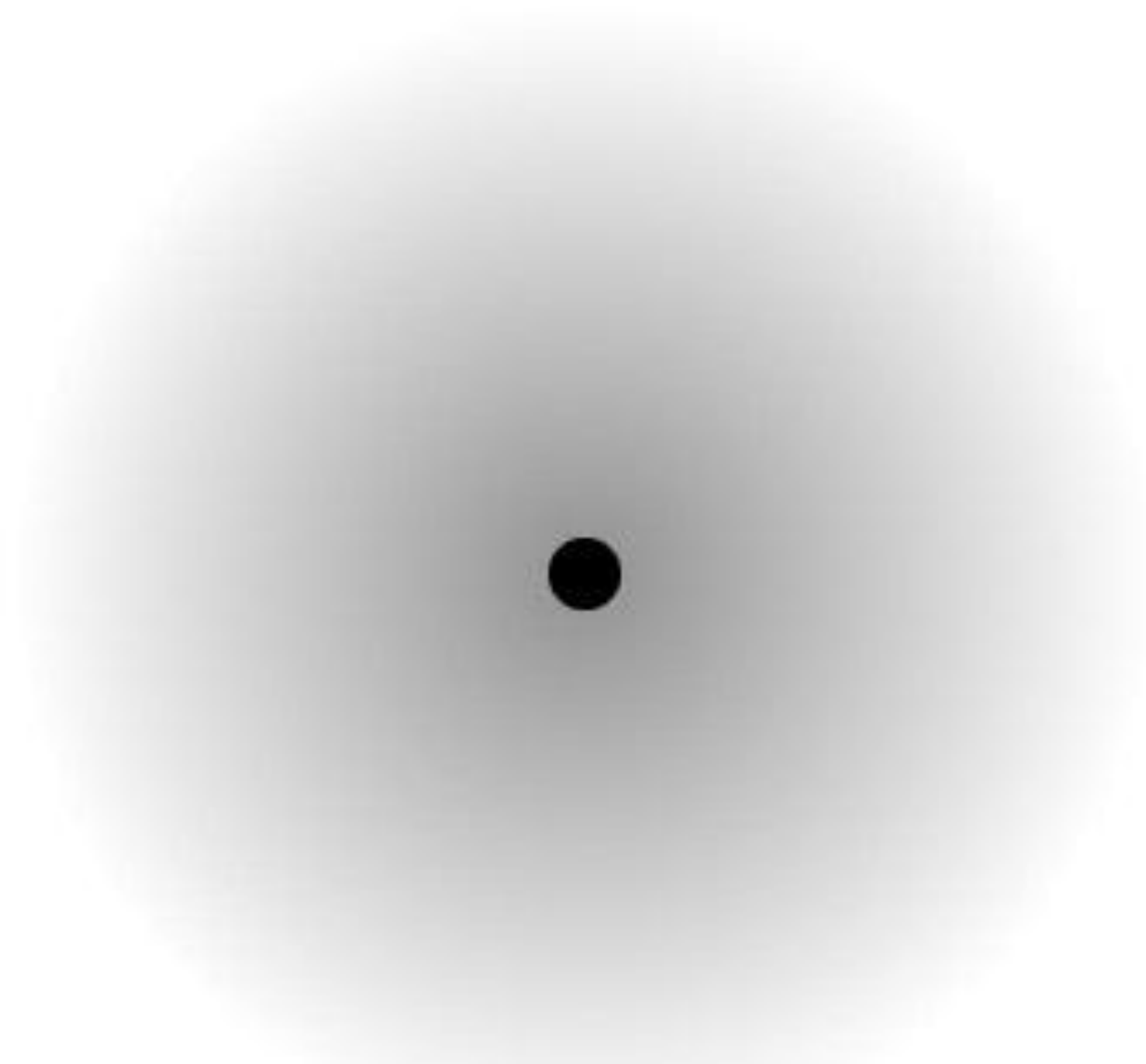
You should see a man's face and also a word...
Hint: Try tilting your head to the right, the word begins with 'L'

Eye Examination Chart

Increase distance from chart until it is readable





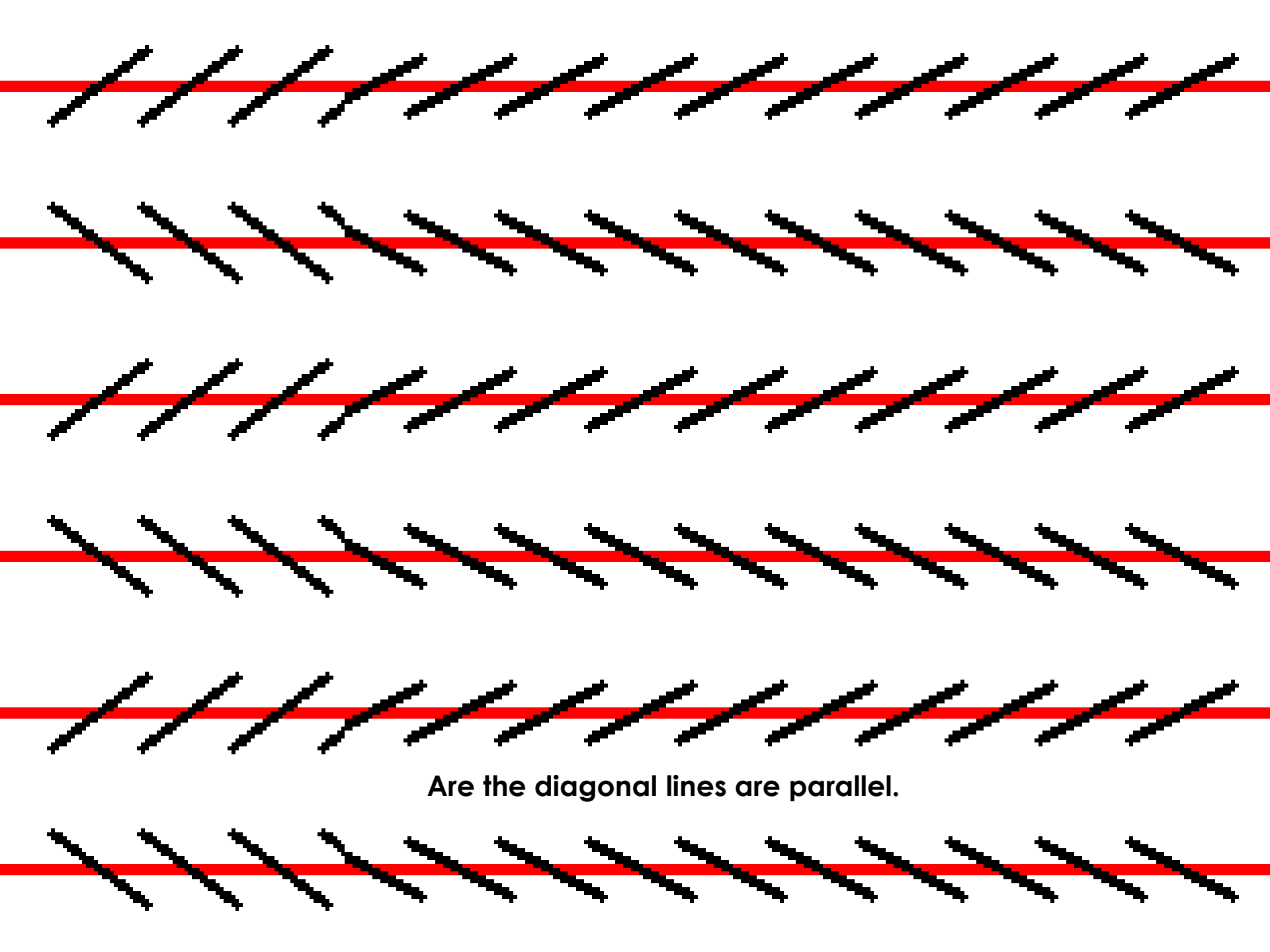


**Keep staring at the black dot. After a while the gray haze around it
Will appear to shrink.**



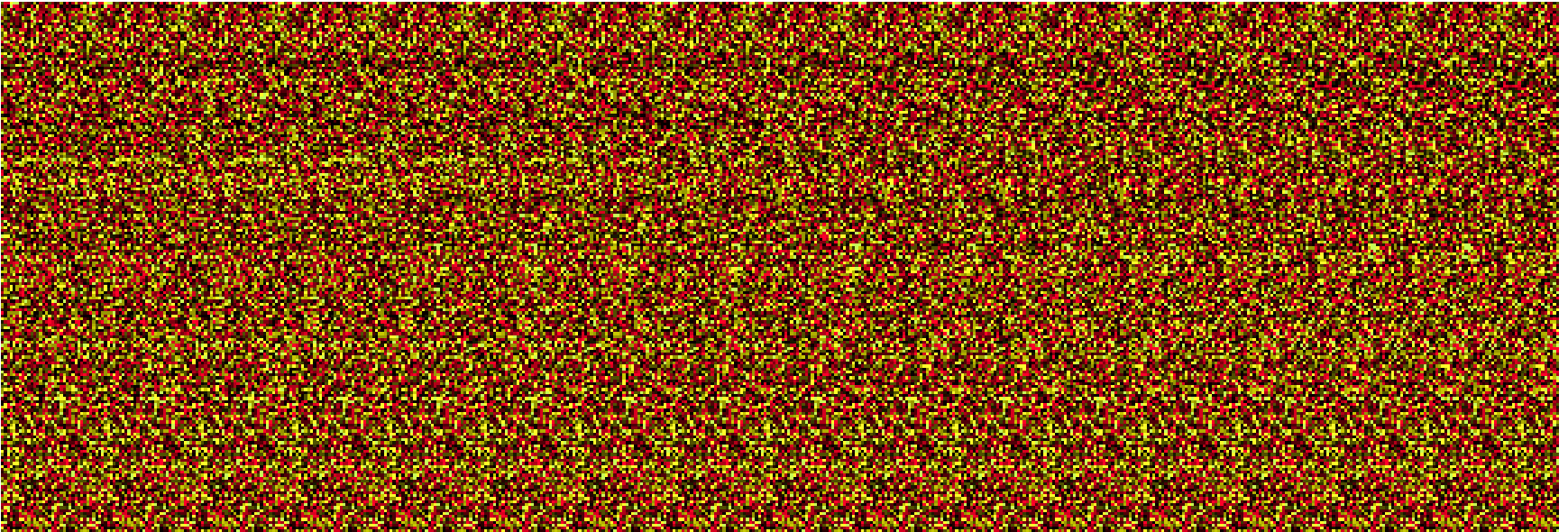
1. Relax and concentrate on the 4 small dots in the middle of the picture for about 30-40 seconds
2. Then take a look at a wall near you (any smooth, single colored surface)
3. You will see a circle of light developing
4. Start blinking your eyes a couple of times and you will see a figure emerging....
5. What do you see? Moreover, who do you see?





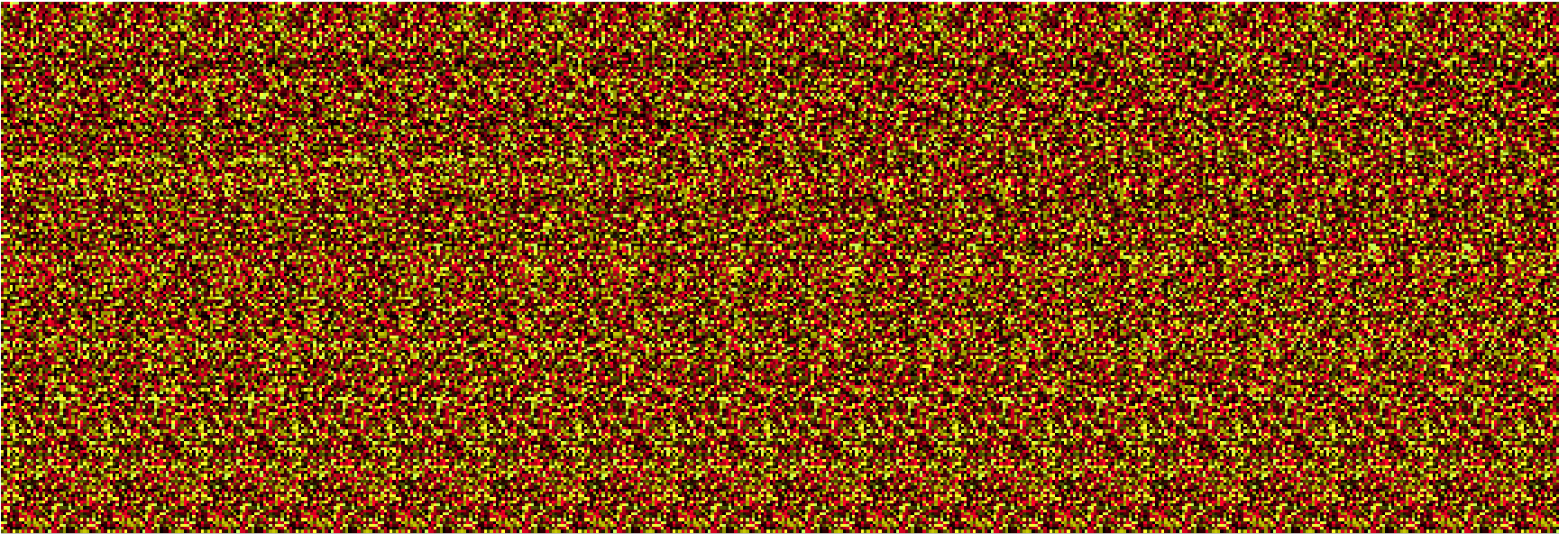
Are the diagonal lines are parallel.

EYE PUZZLE



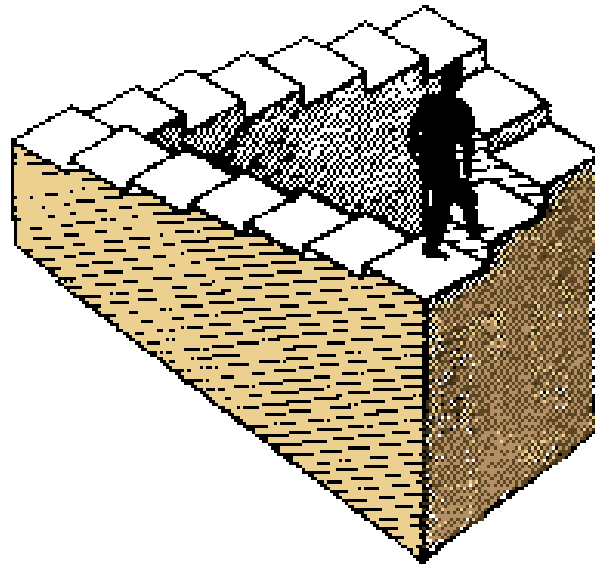
This rectangle of seemingly random colored dots contains a message. Do you know the answer?

EYE PUZZLE



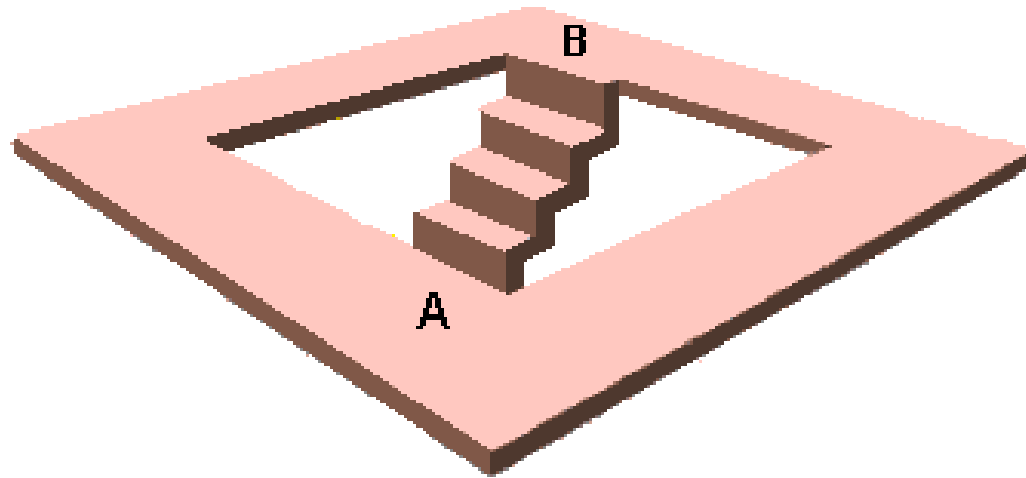
The rectangle of colored dots is actually a stereogram. In order to visualize the three-dimensional image, you need to focus about 4 inches (10 cm) above of the plane of the computer screen. (Hint: Look at the tip of your thumb while your extended index finger touches the screen.)

PERPETUALLY ASCENDING STAIRCASE



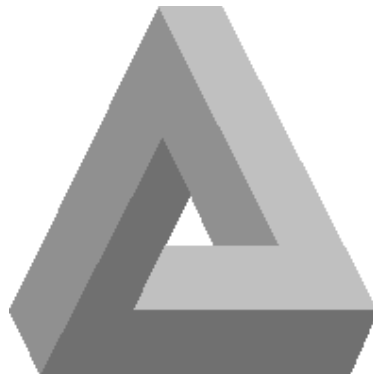
How can the man go up all the time? Can such a staircase be built as a real object?

STAIRWAY BETWEEN CORNERS OF A FLAT SQUARE



You can go from corner A to corner B by climbing the stairs or by going around a level plane.

IMPOSSIBLE TRIANGLE



This triangle cannot be built as a real object.

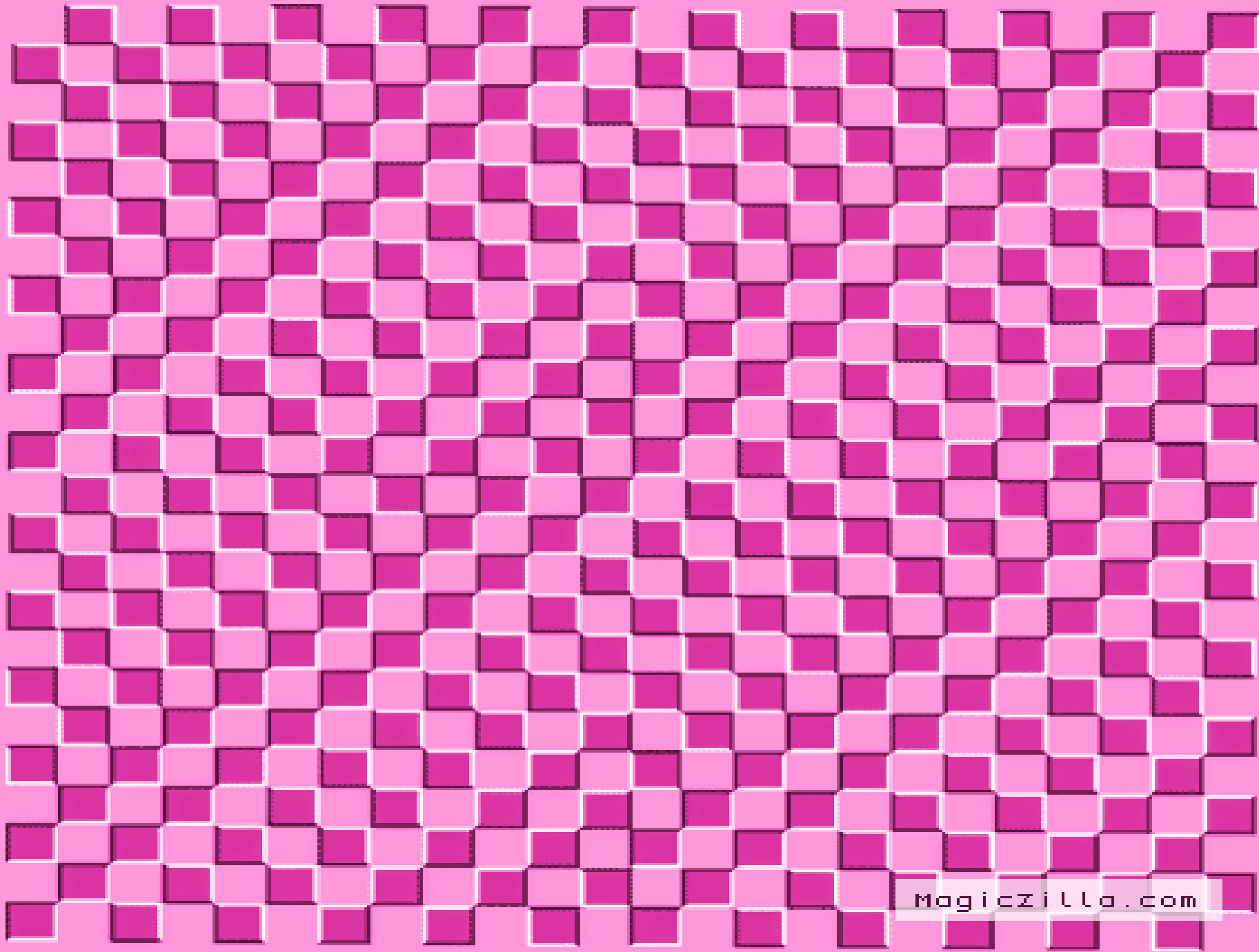
Can you find a relationship between this triangle and a Möbius strip?

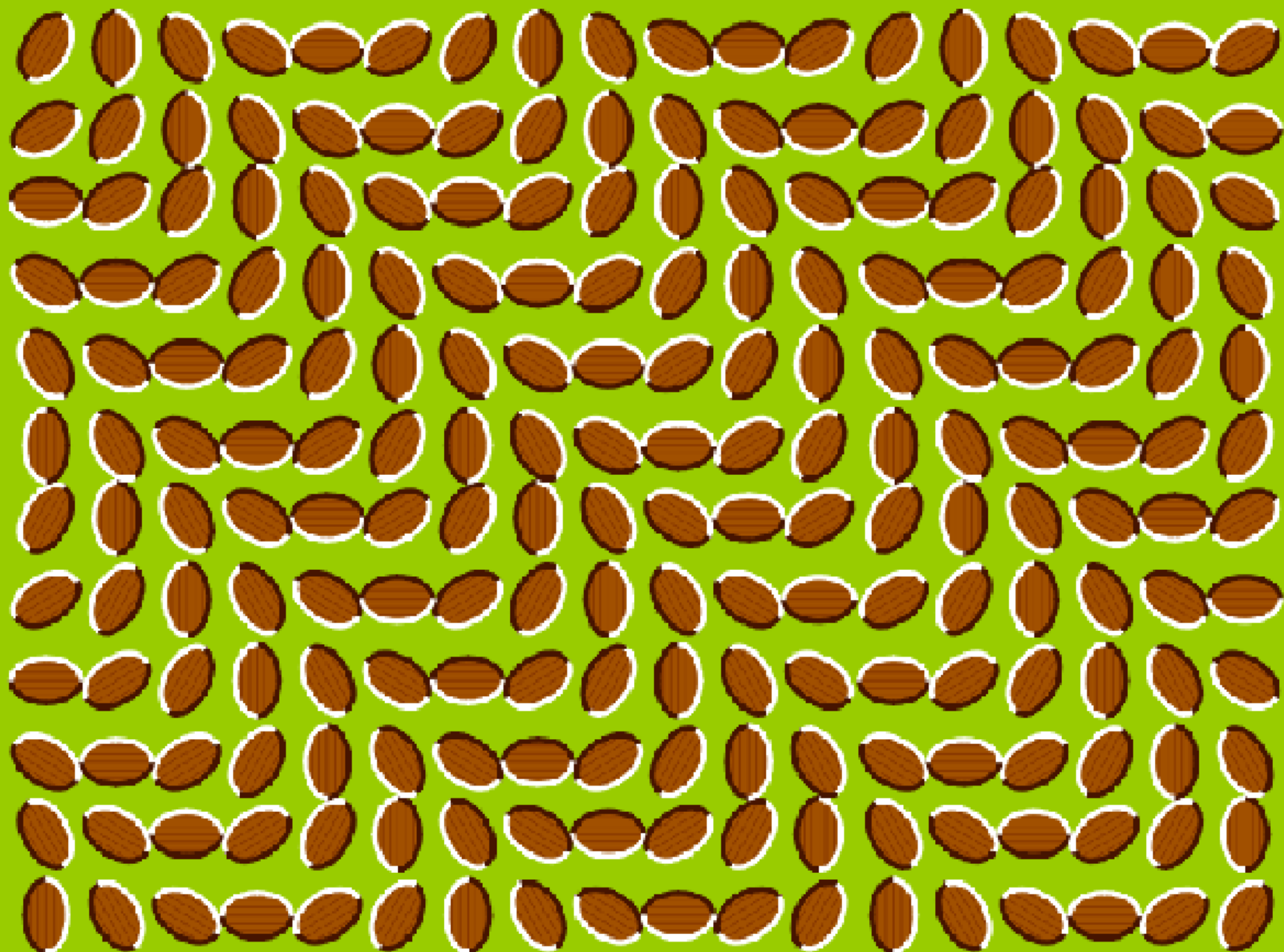
(Hint: Assume that the thickness of the strip is the same as the width of the strip, and that instead of twisting 180 degrees before joining, there is only a 90 degree twist.)

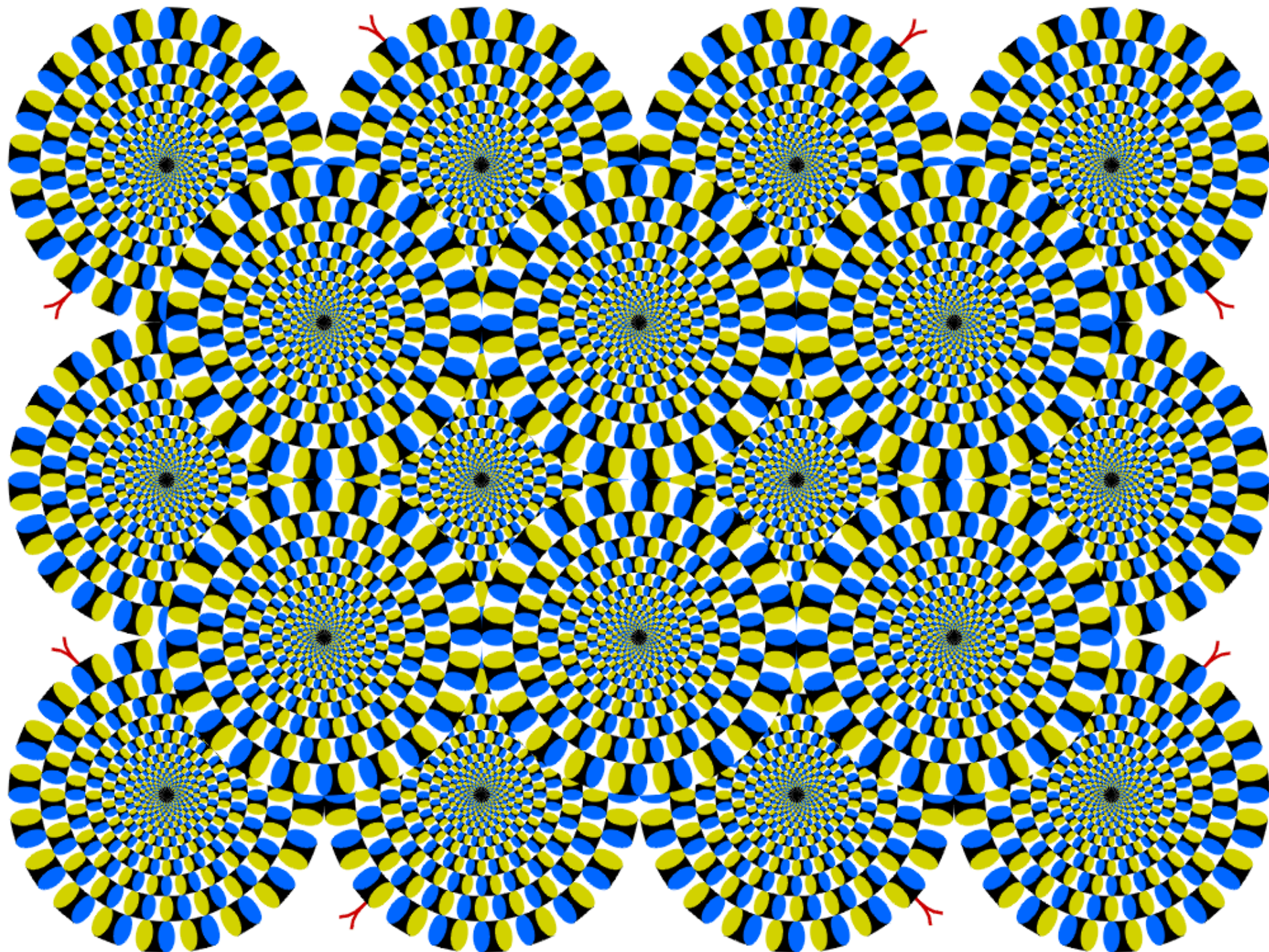
WORD COLOR TEST

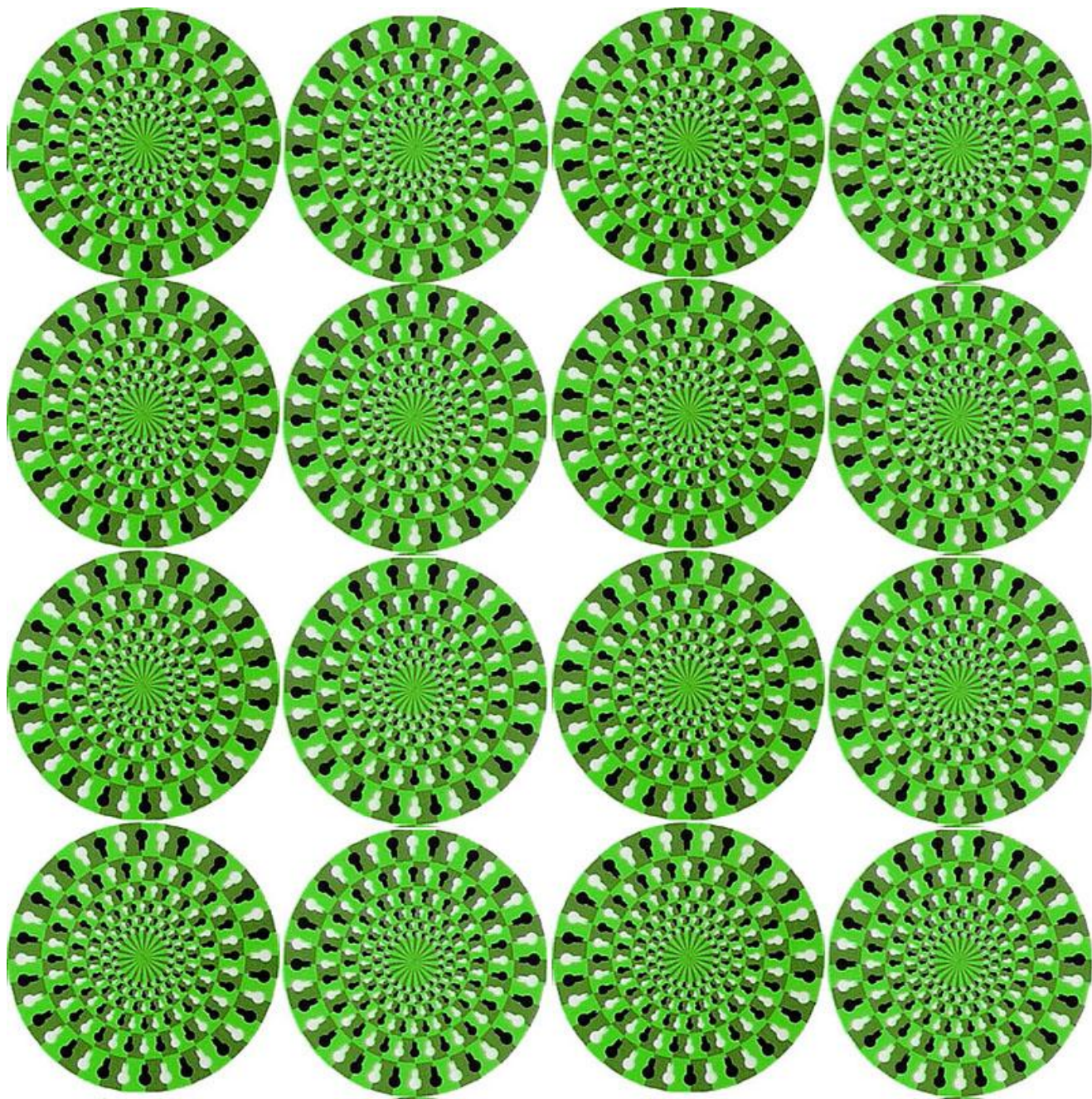
YELLOW BLUE ORANGE
BLACK RED GREEN
PURPLE YELLOW RED
ORANGE GREEN BLACK
BLUE RED PURPLE
GREEN BLUE ORANGE

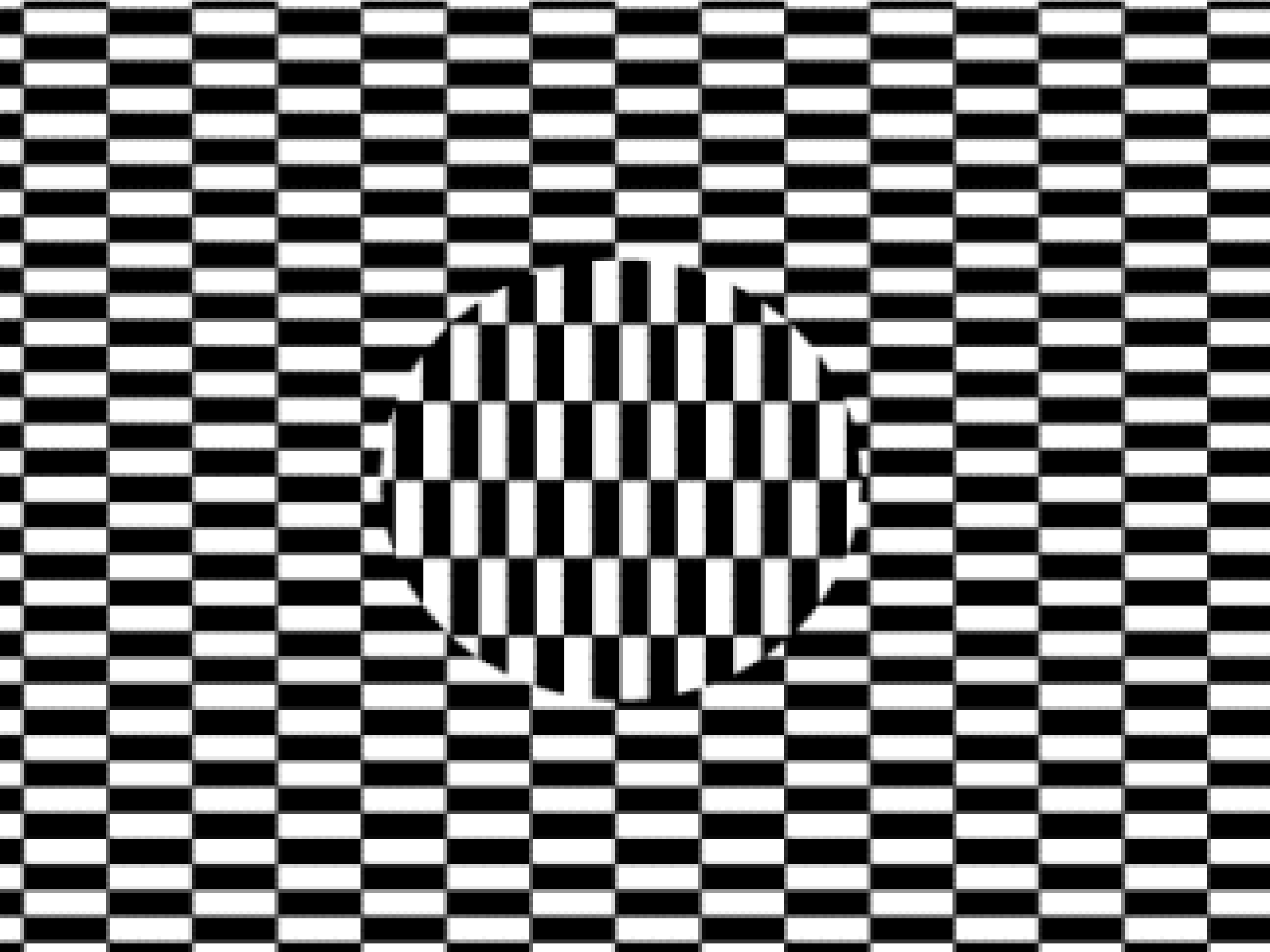
This is a type of psycholinguistic test that poses some difficulty because the portion of the brain that handles language has the conflicting tasks of verbalizing the color of the written words while ignoring the meaning of words representing colors.

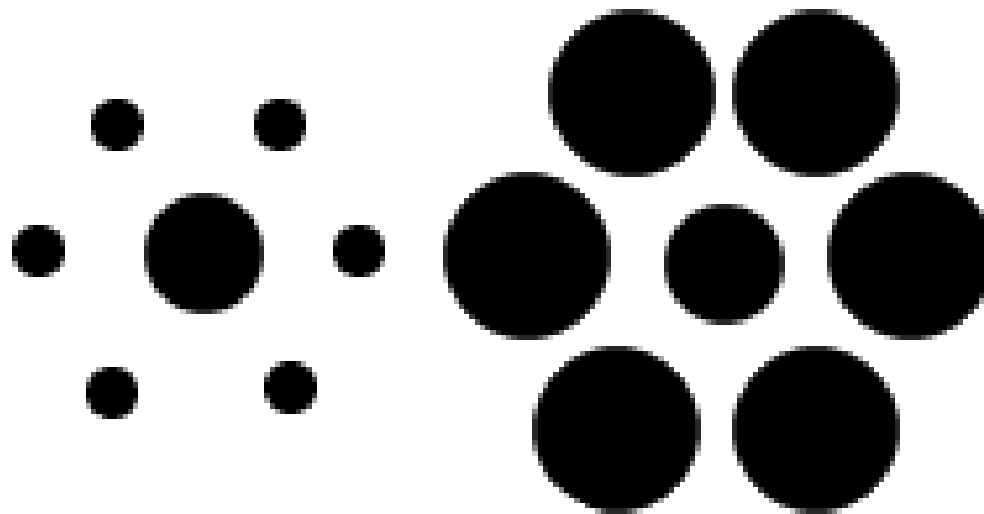




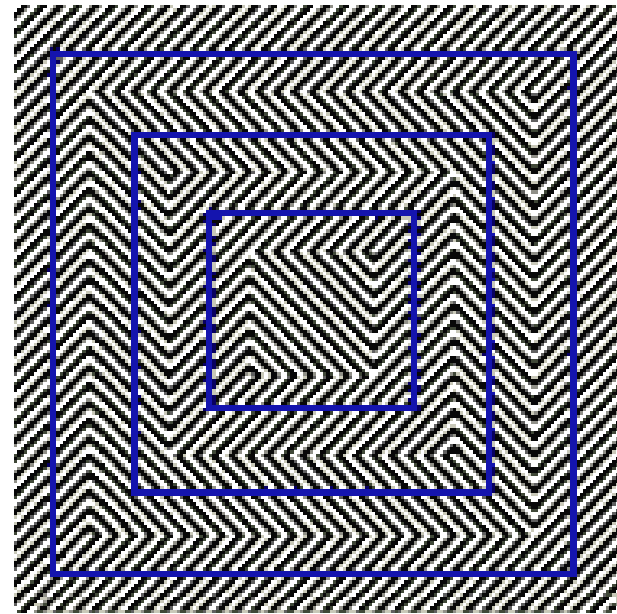
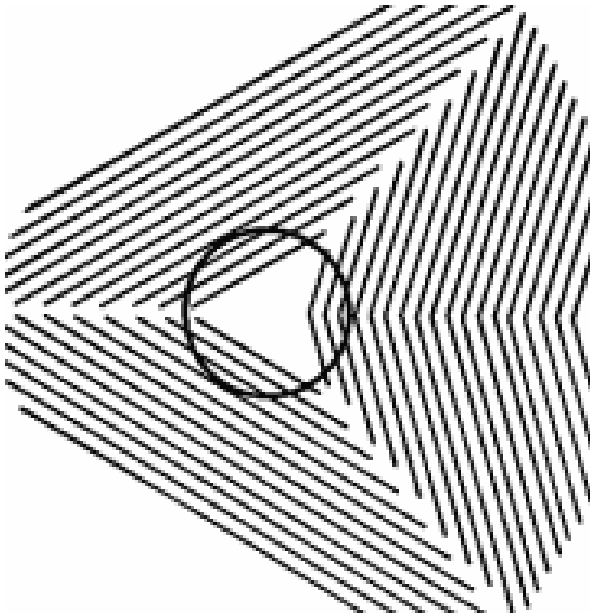




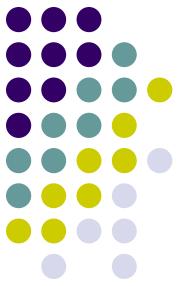




The center circles are both the same size.



The circle and the squares appear distorted by the background patterns.



Illusions in Art

www.visionsfineart.com

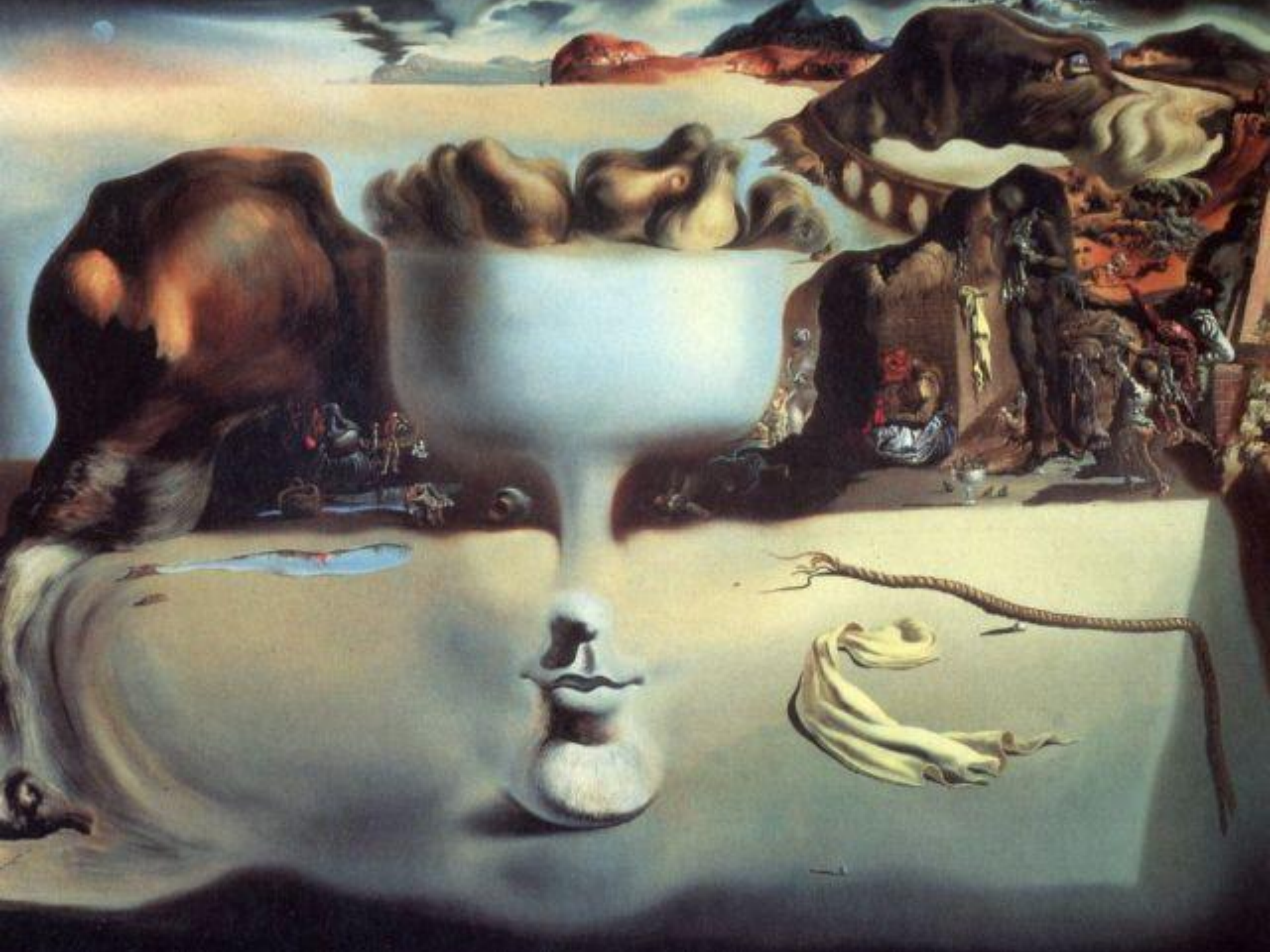




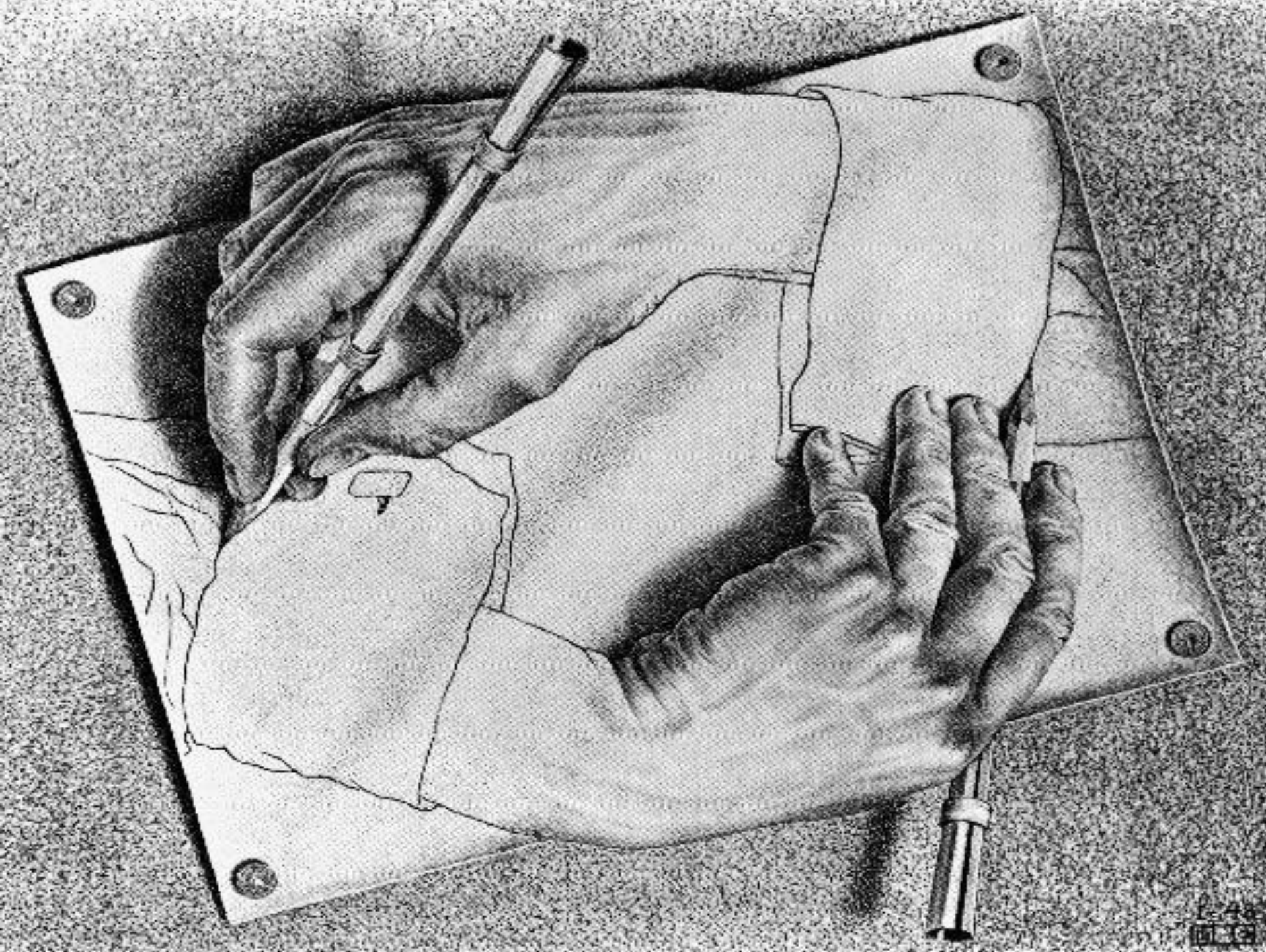


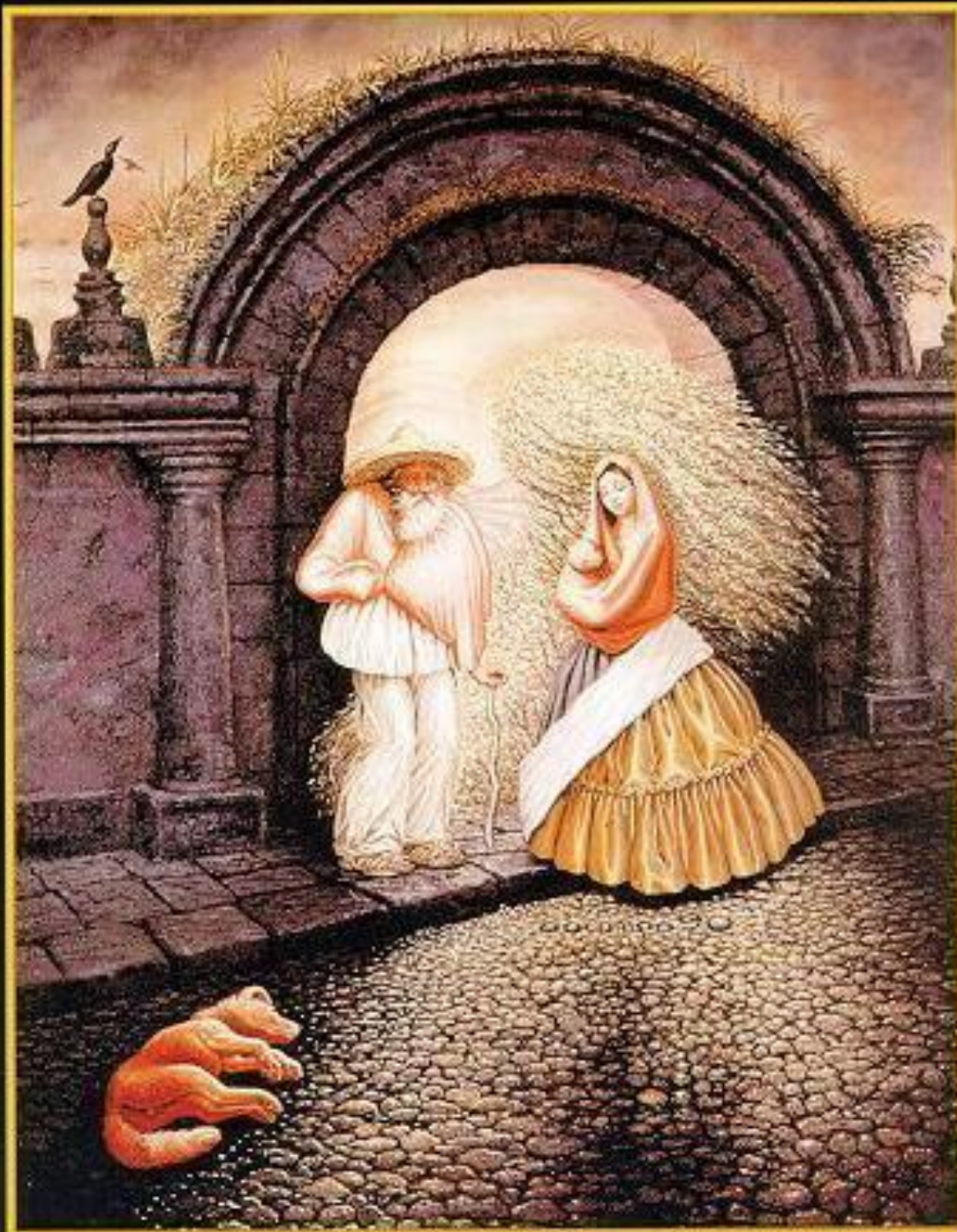


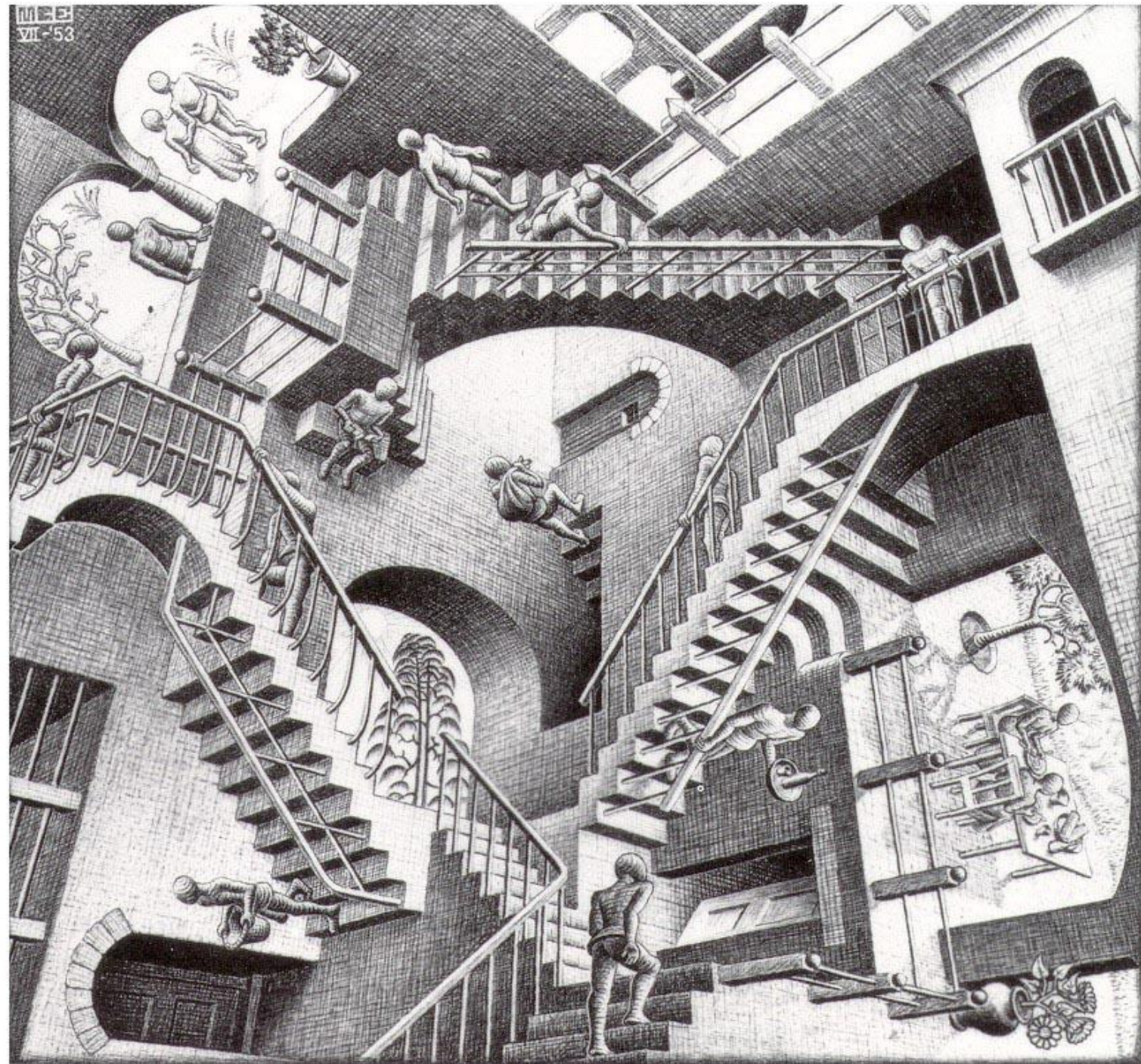


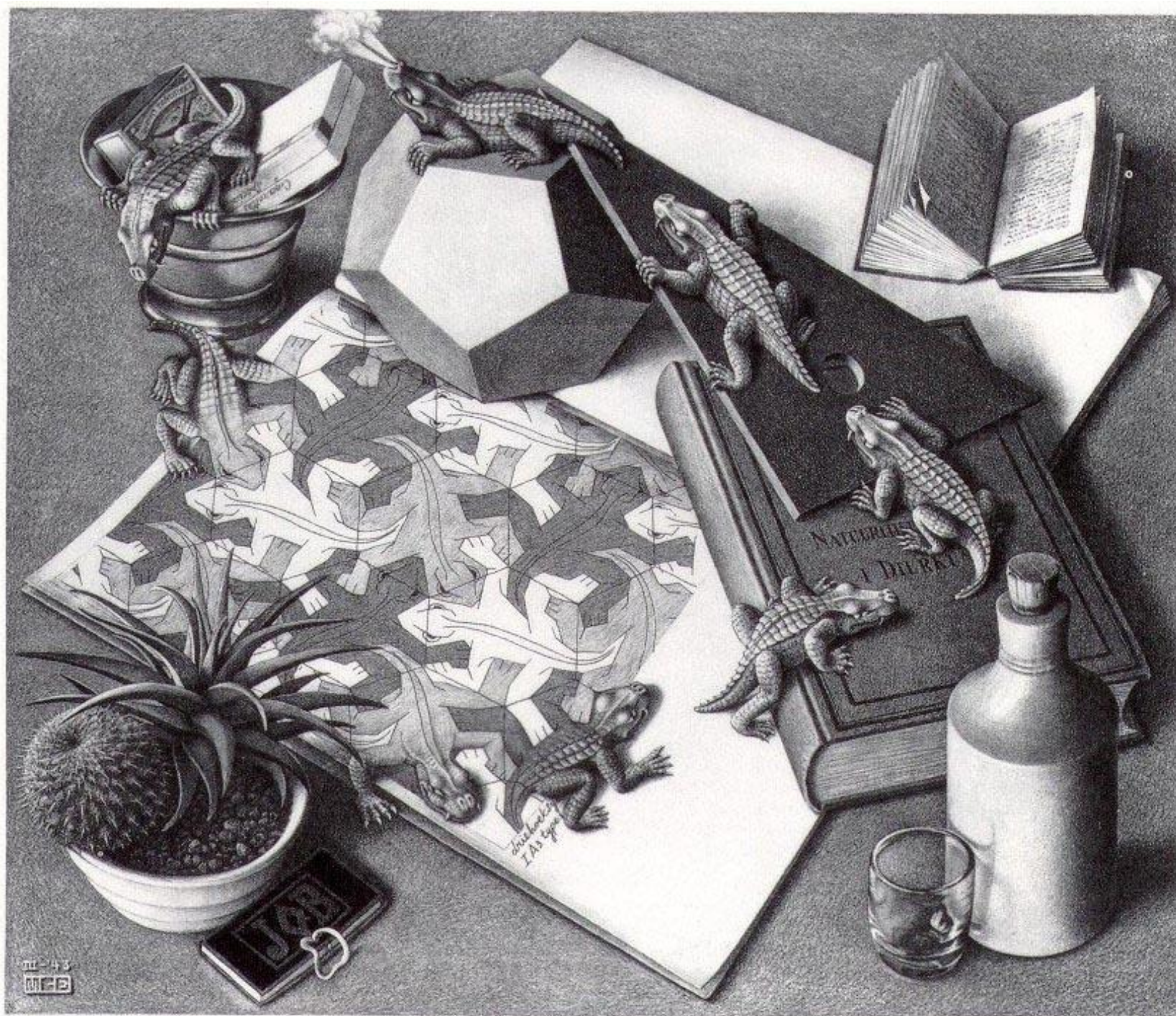


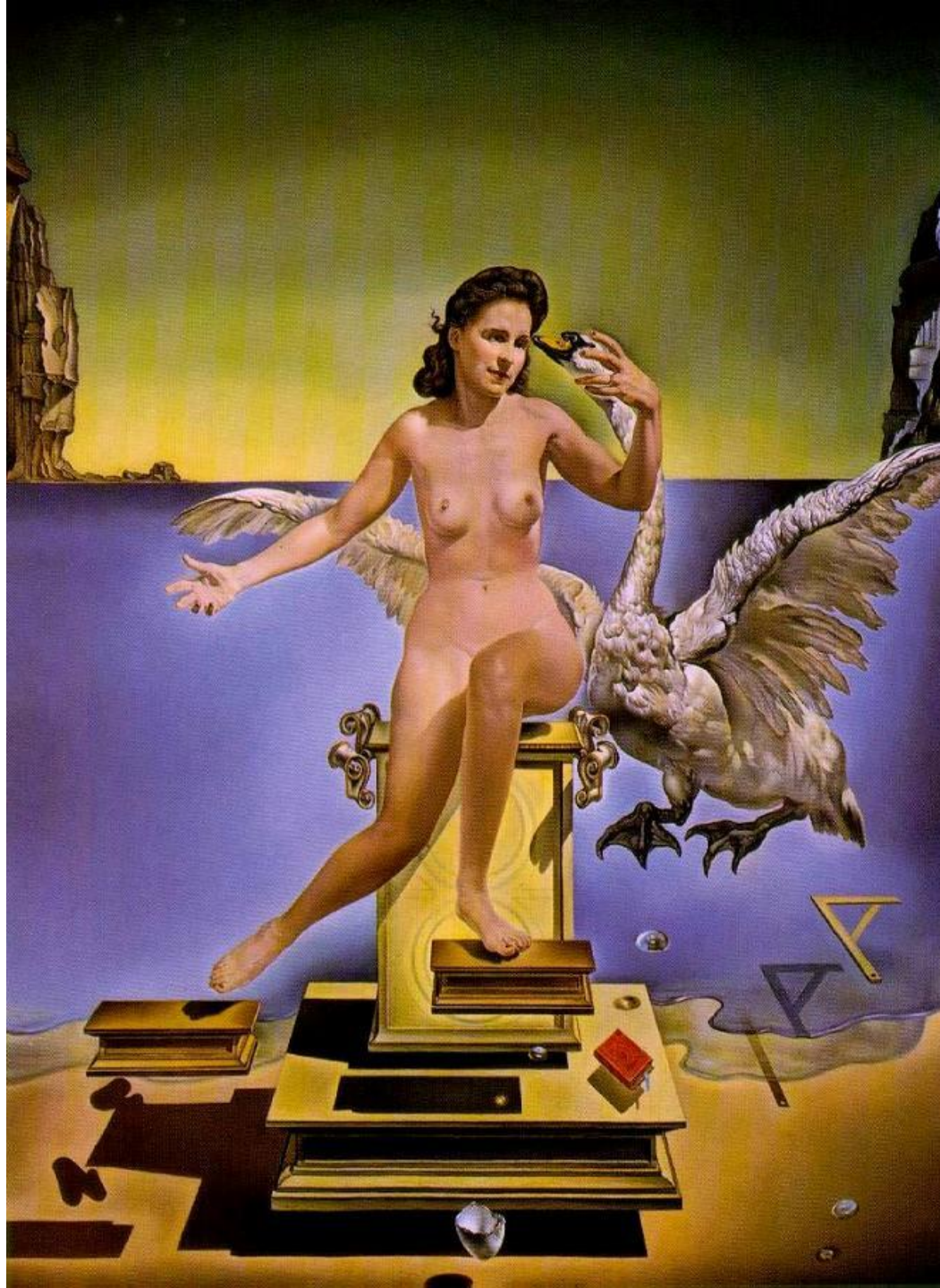








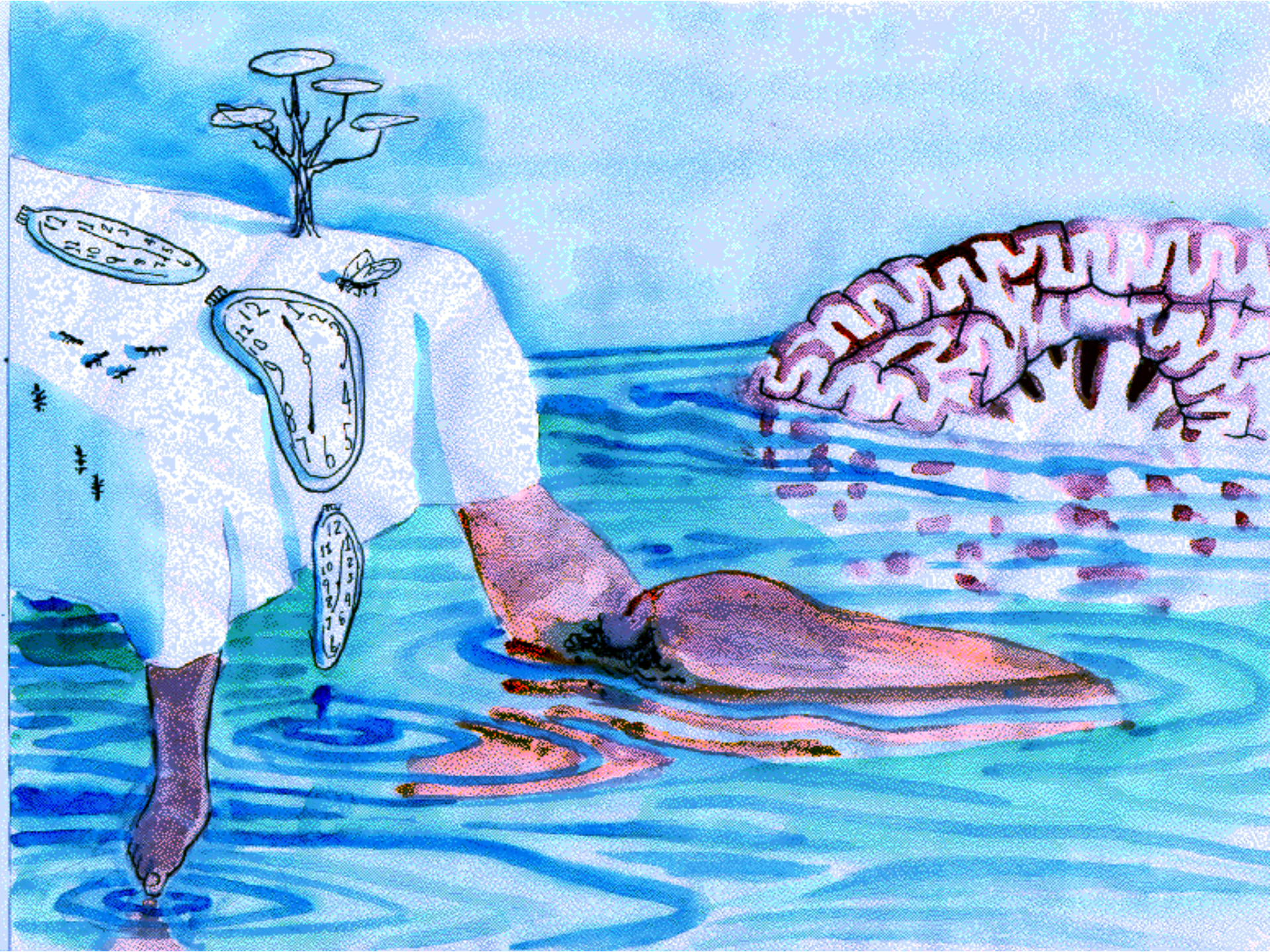










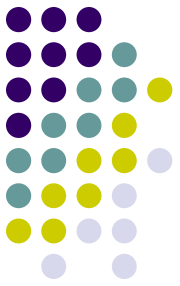








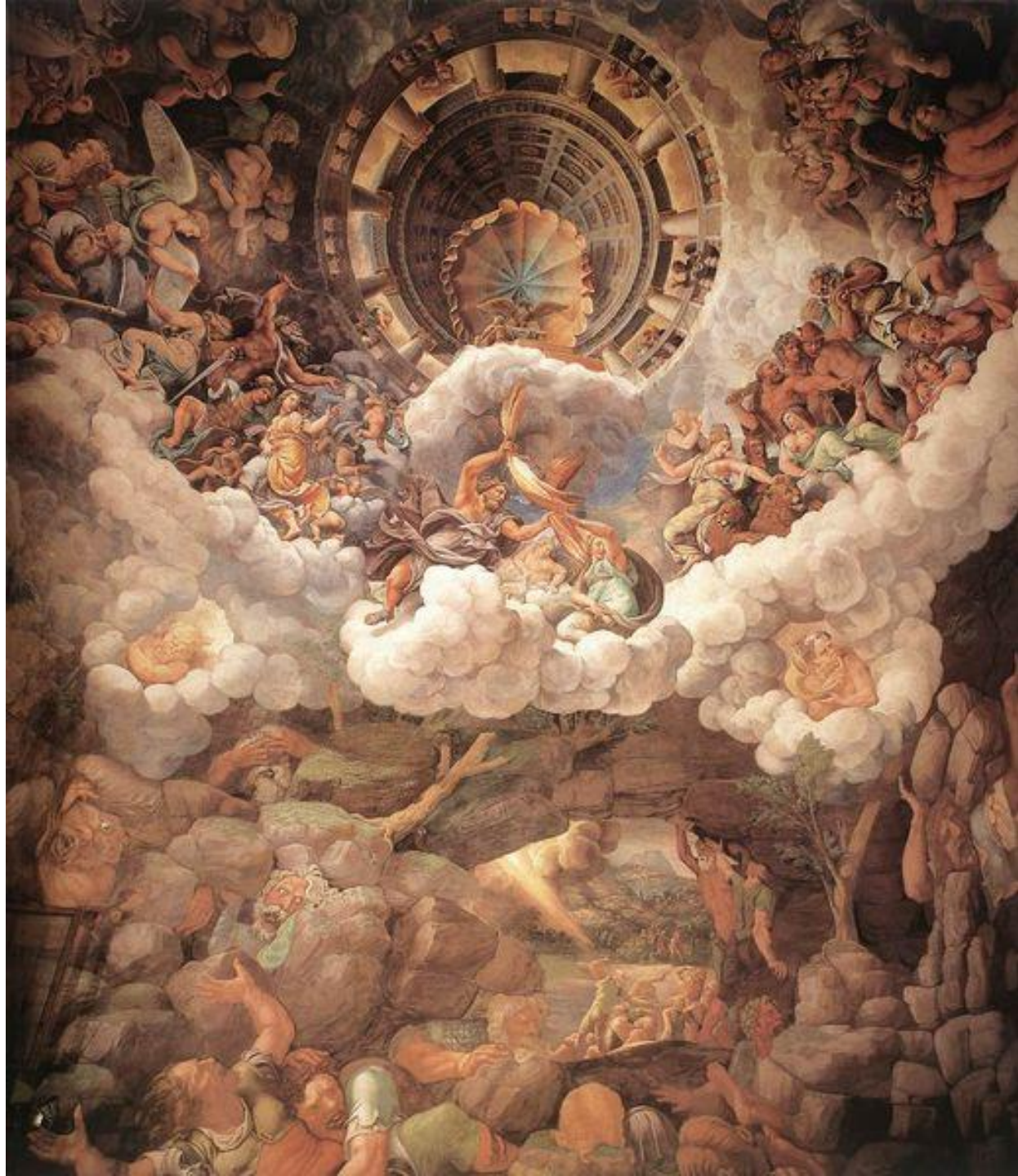
← Viewed from a distance.



Frescos and Mural Illusions



ALVA P. TAYLOR HALL
Art
English



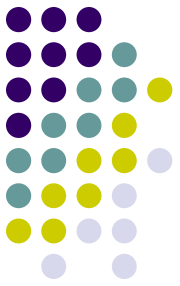












Sidewalk Illusions



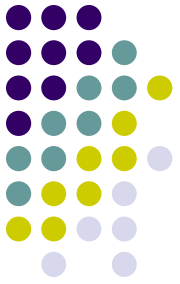








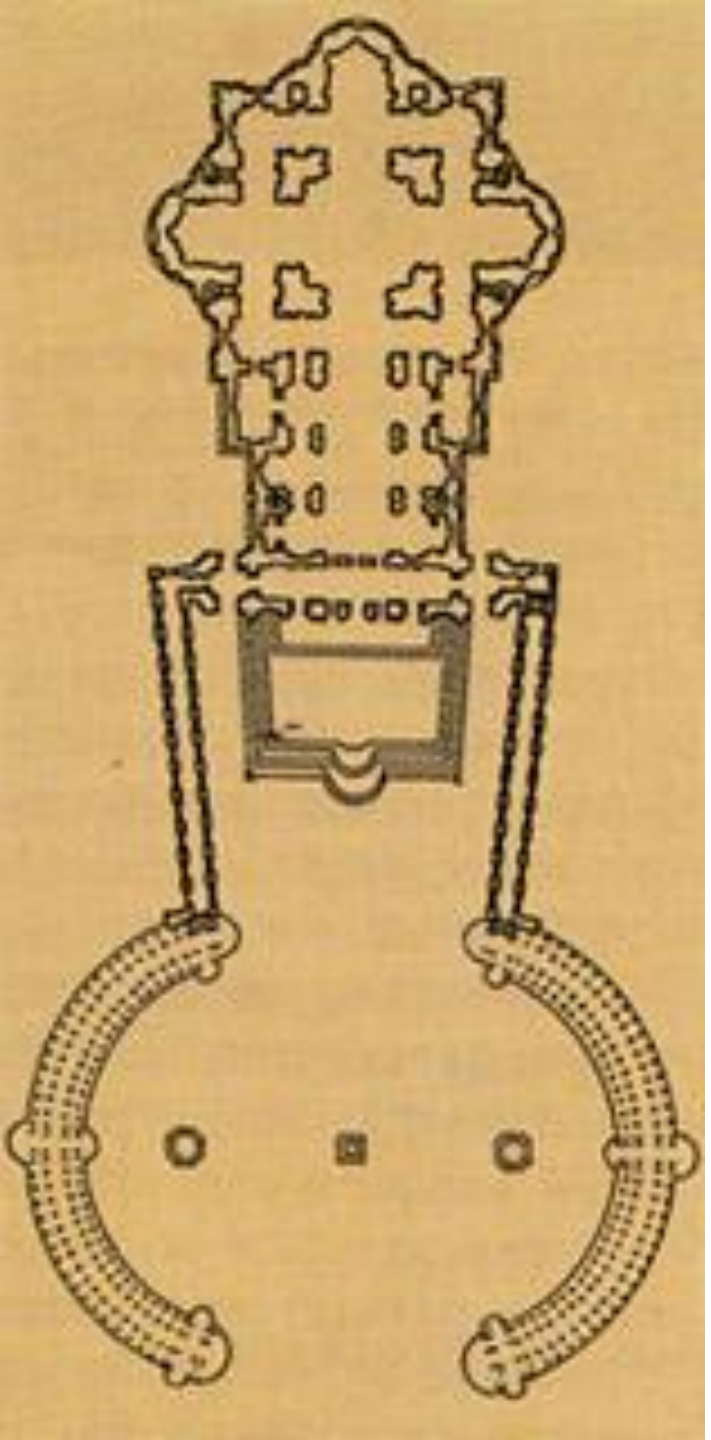




Built Illusions



































entrance zürich



«Eintritt nur für Smarte.»
Oder:
«Heute geschlossen.»

Meine Nachbarn im Nebentrakt
Werk II werden mir den Streich nie
vergessen, denn das Kunst-Werk
bleibt ihnen nicht nur sichtbar in
Erinnerung: Jeder zweite Besucher
fragt dort nach, warum geschlossen
sei ...

"No entry except for smart people."
Or
"Closed today."

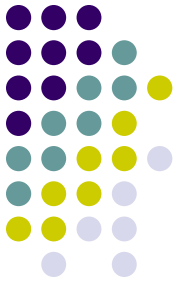
*My neighbours in the adjacent Works II
will never forget my prank, because the
artwork is not only visibly remembered.
Every second visitor asks them why it is
closed ...*











Illusions Happen





UNITED STATES OF AMERICA
POSTAGE
SEVEN CENTS

E-R

19414









A woman with blonde hair is holding a magazine. The magazine cover features a close-up of a woman's face, looking down with a slight smile. The text on the cover is partially visible.

Feel the difference now
And 24 hours later.







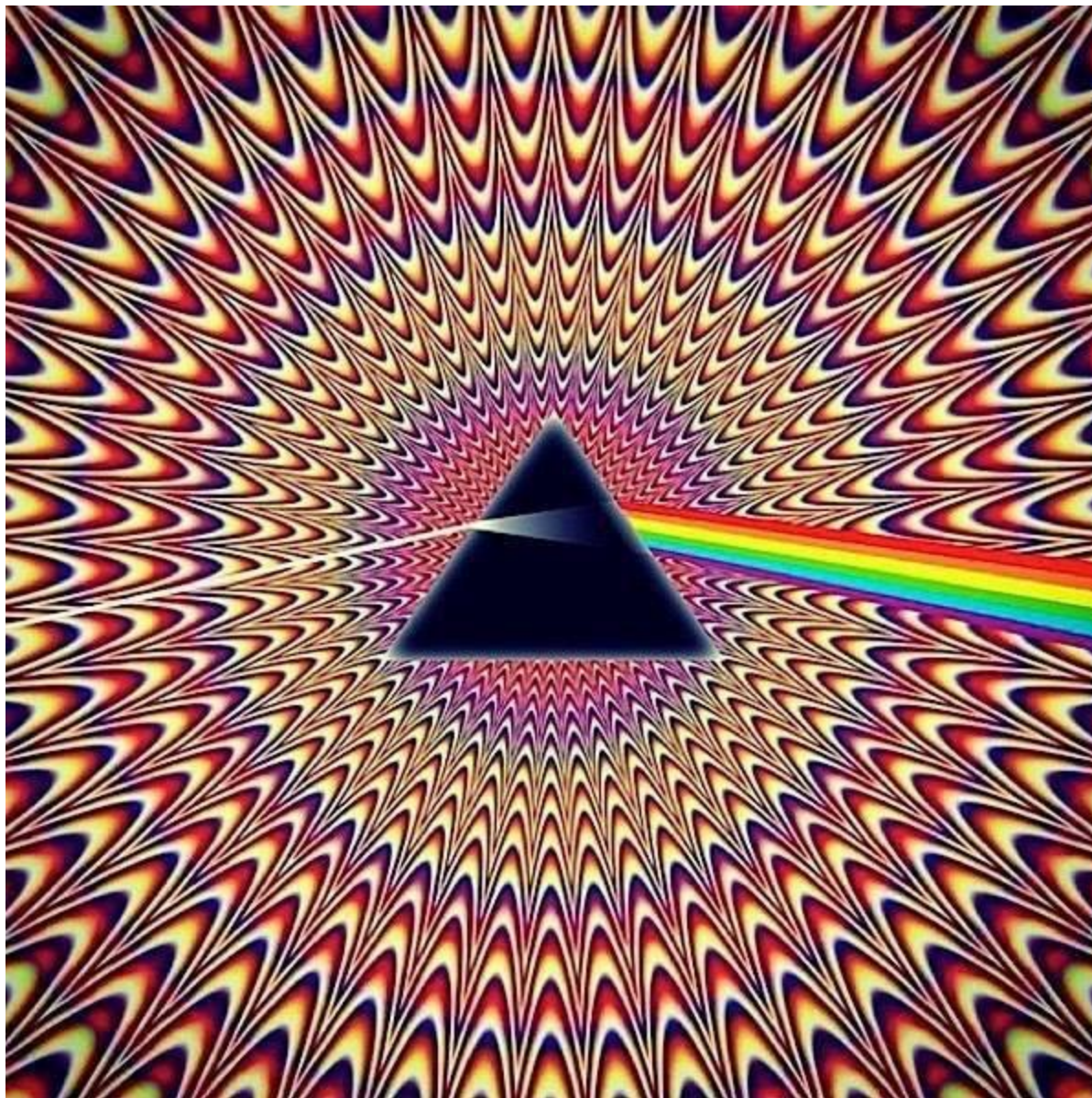




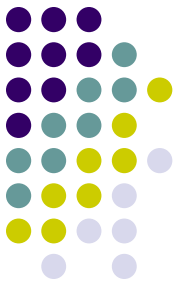




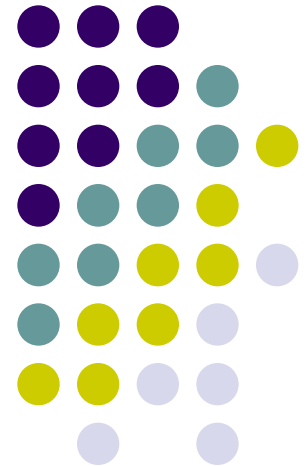








Types of Optical Illusions

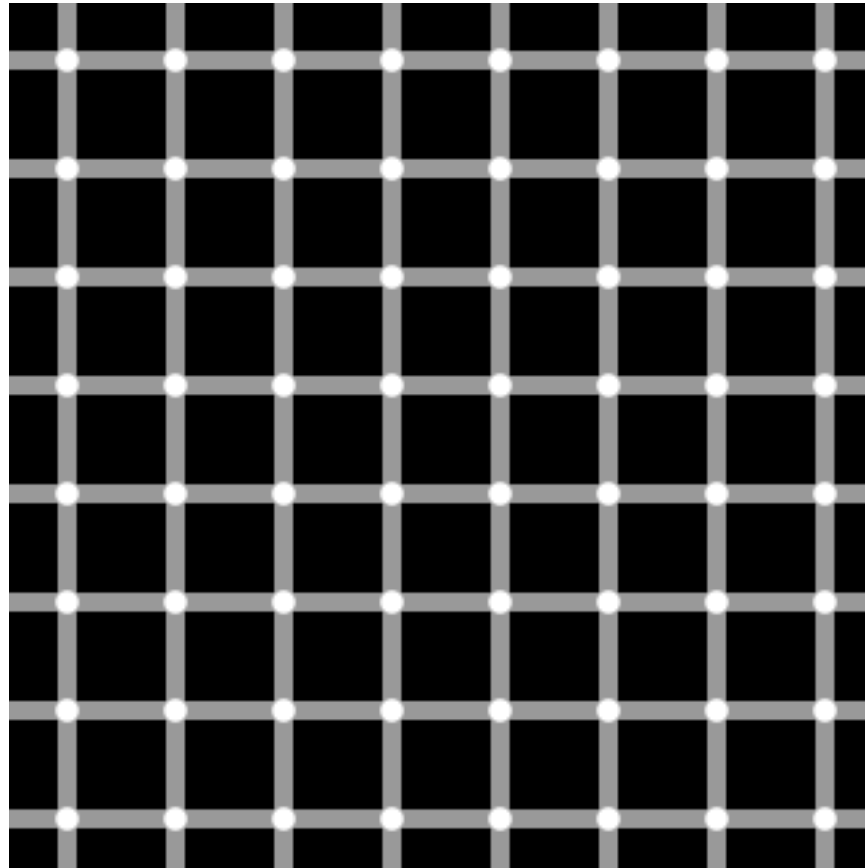
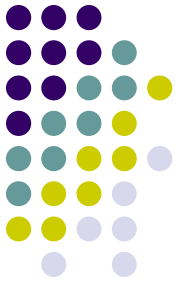




Physiological Illusions

- Result of excessive stimulation of the brain of a specific kind of optical input
- I.e. brightness, tilt, color, movement
- Once the brain has activated certain neural pathways for a period of time, the pathways can cause a physiological imbalance

Grid Illusion



Dark dots seem to appear and disappear at intersections

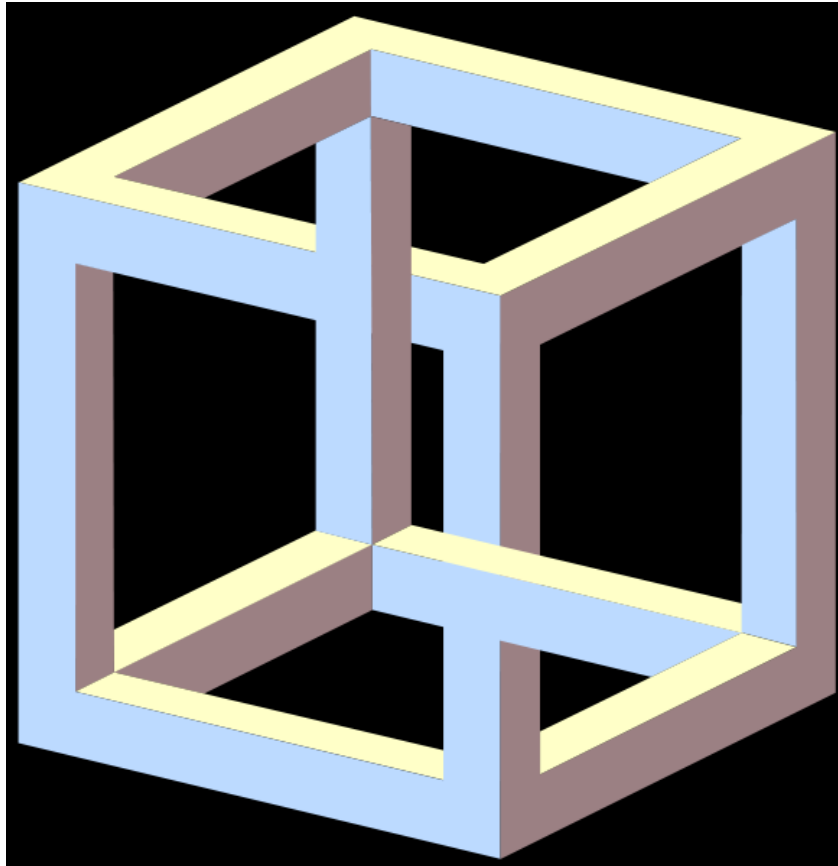


Cognitive Illusion

- Come from brain making assumptions based on color, space, brightness, perceptual, and shape
- Divided into ambiguous illusions, distorting illusions, paradox illusions, and fictional illusions

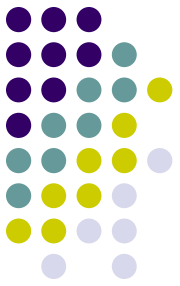


Impossible Cube



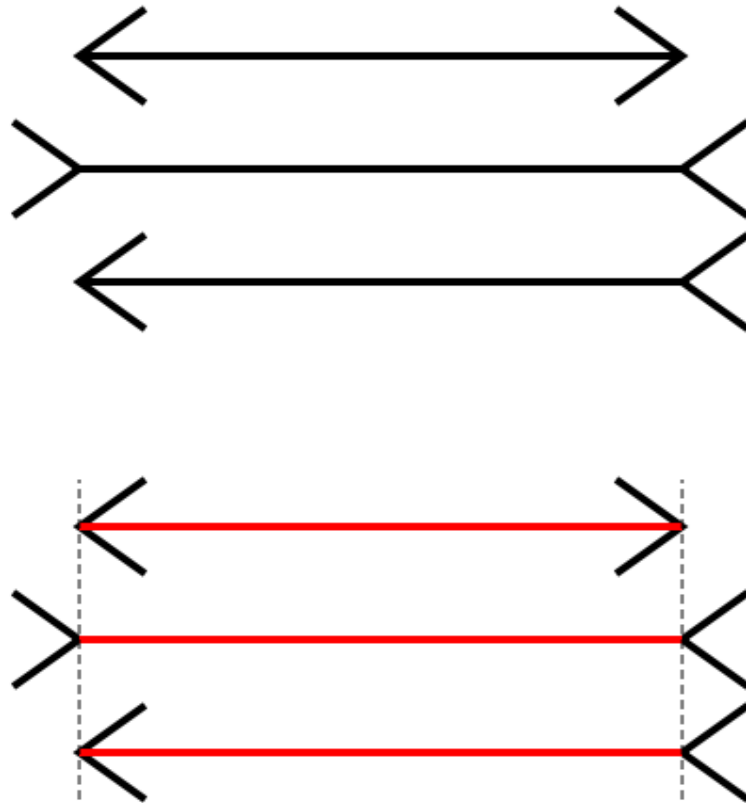
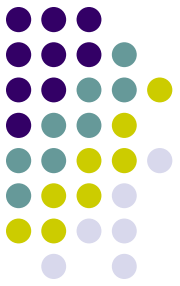
The impossible cube seen from an angle which produces an illusion of impossibility.

Rubin Vase



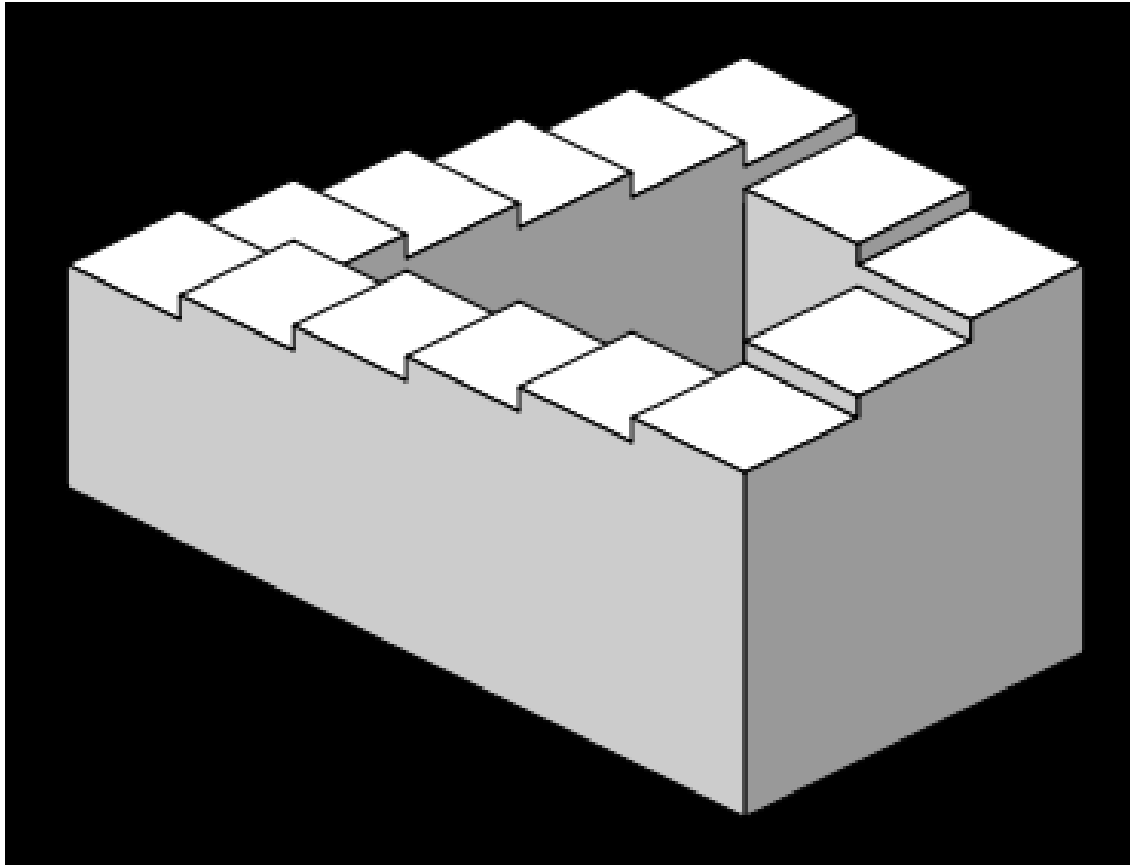
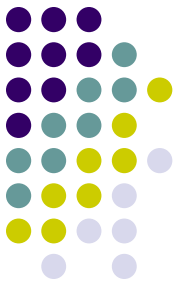


Müller-Lyer Illusion

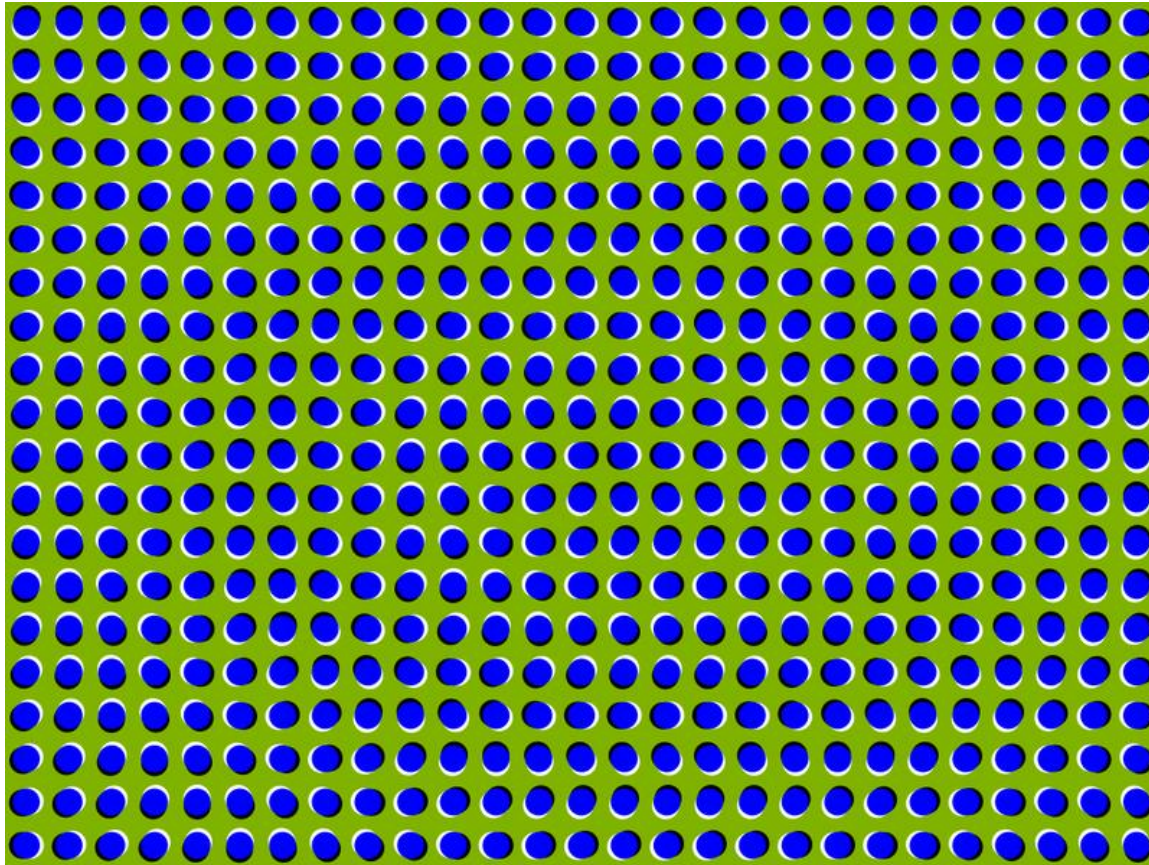
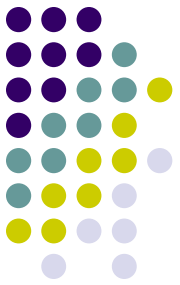


The three horizontal lines have the same length.

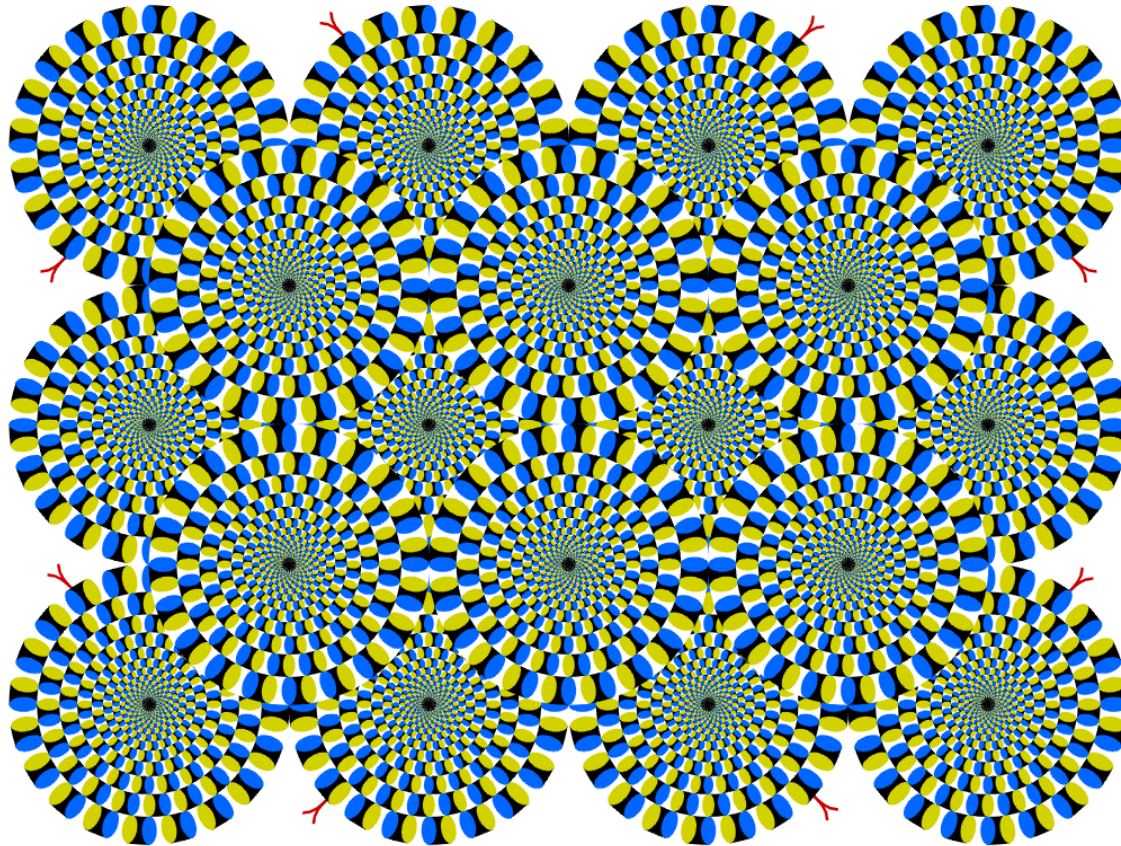
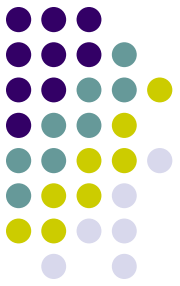
Penrose Staircase



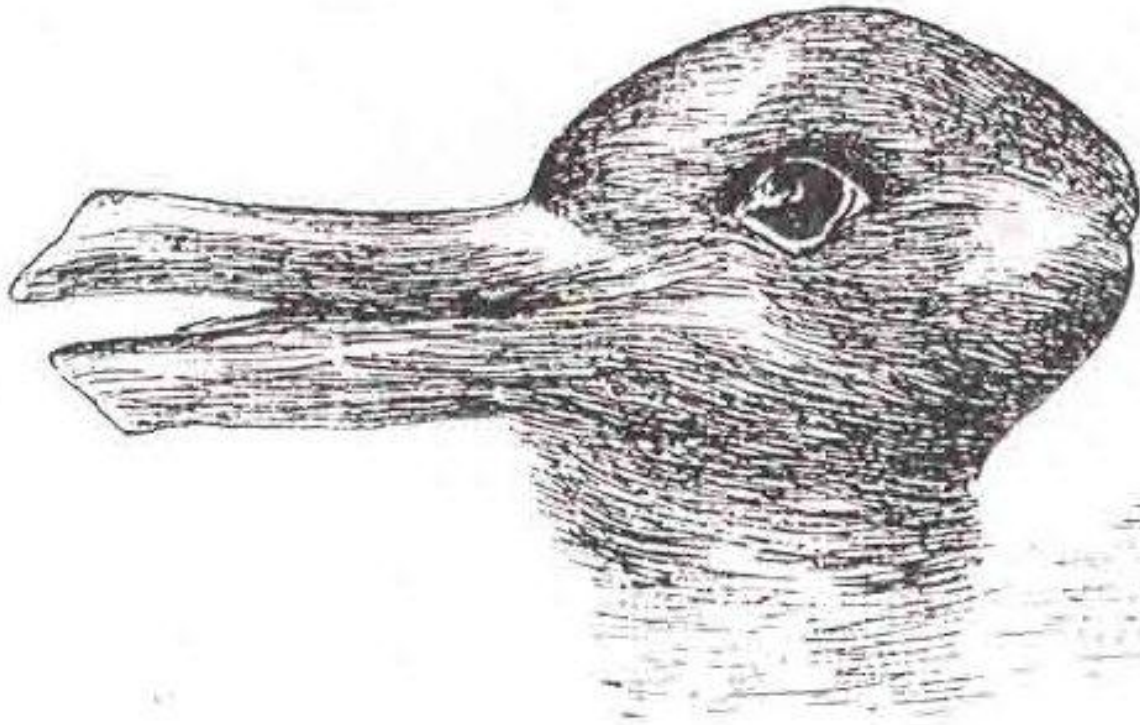
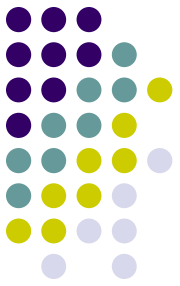
Motion Illusion



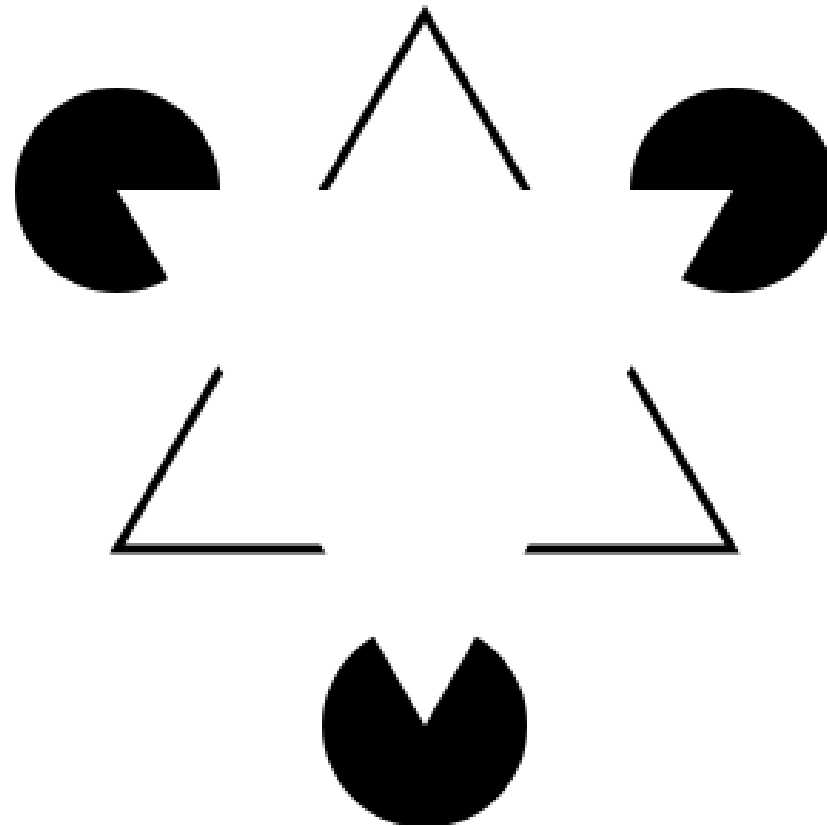
Peripheral Drift Illusion



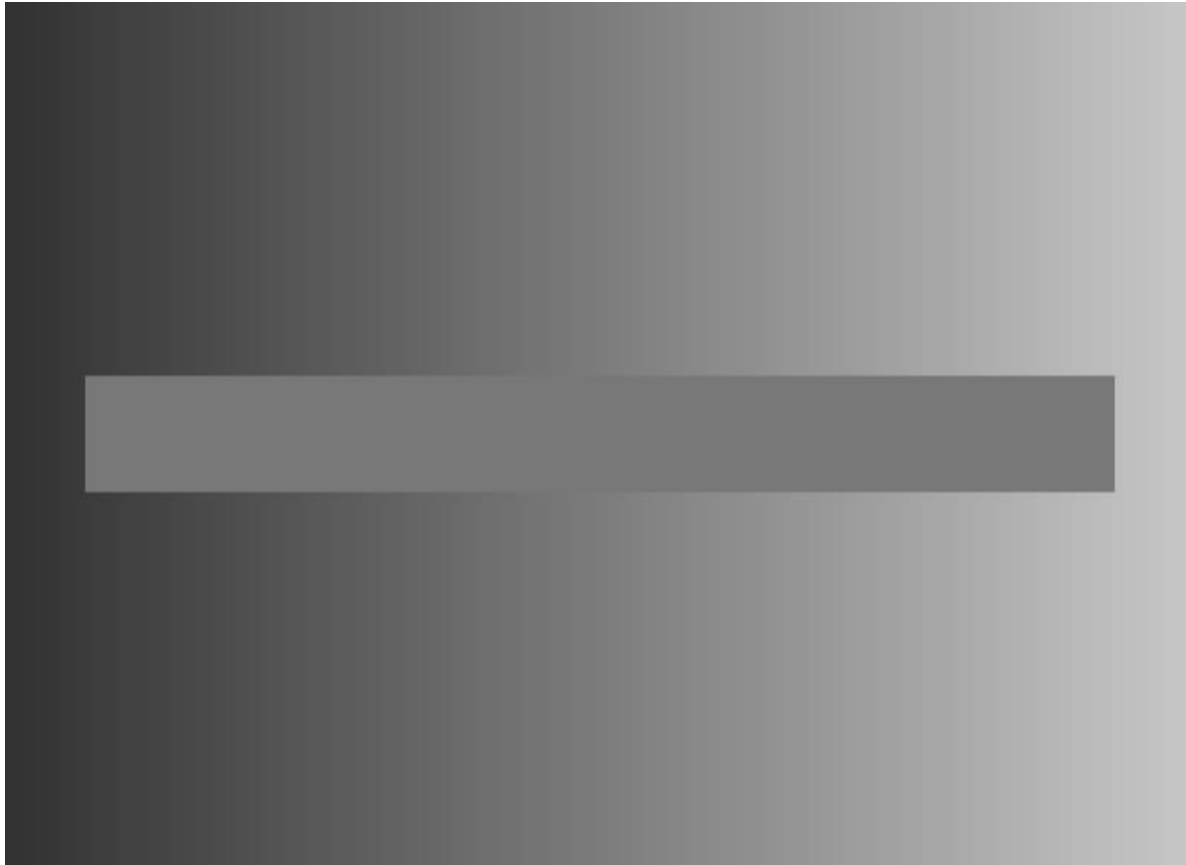
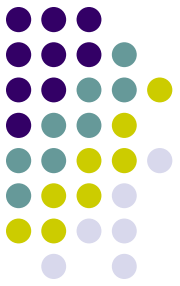
Duck-Rabbit Illusion



Kanizsa Triangle

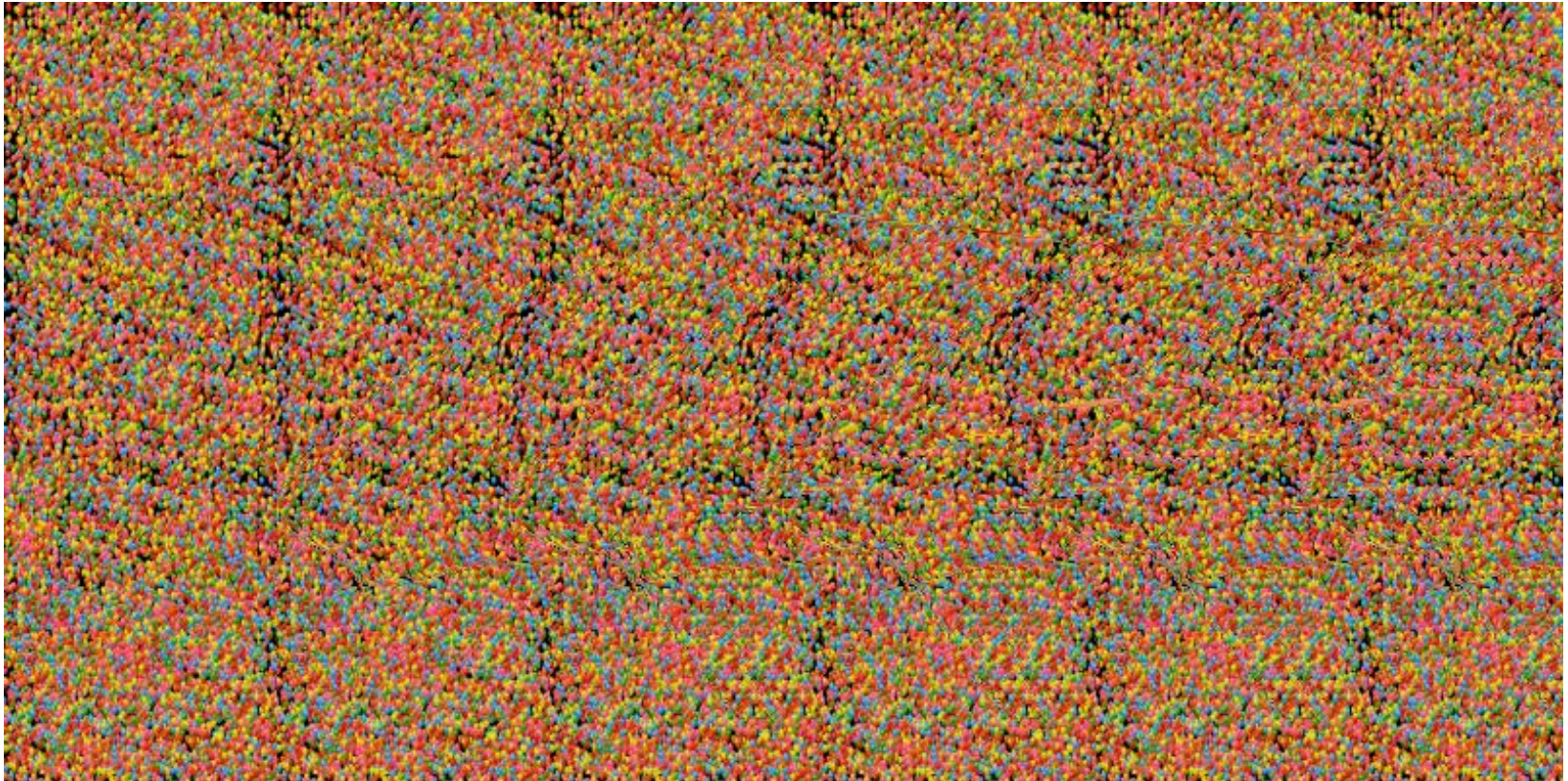
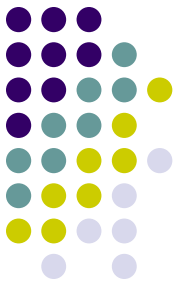


Simultaneous Contrast Illusion



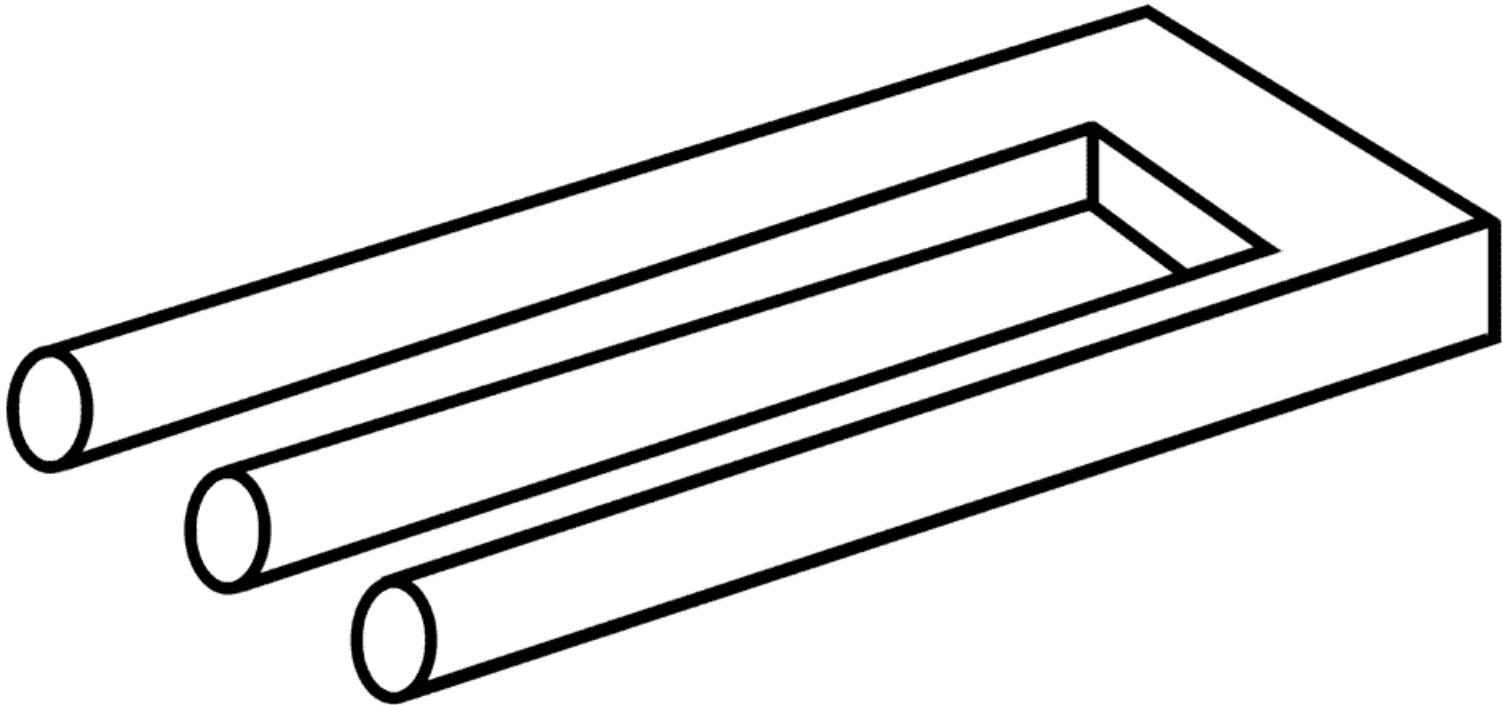
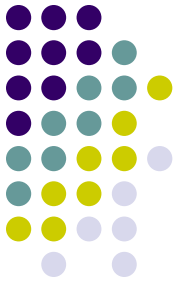
The horizontal grey bar is the same shade throughout.

Autostereogram

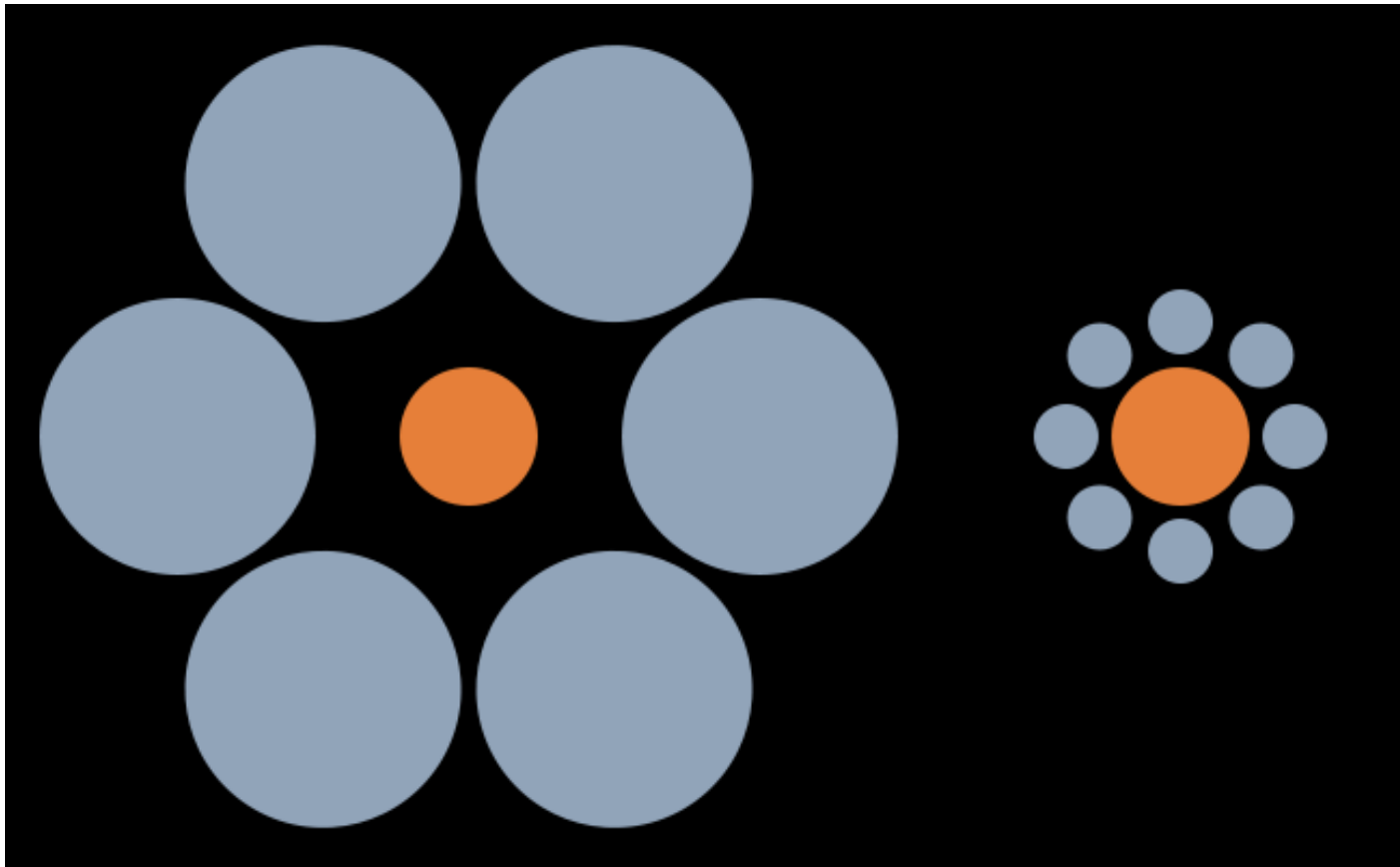
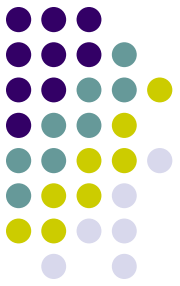


A 3D scene of a (colorfully dotted) shark swimming before a (colorfully dotted) background.

Blivet

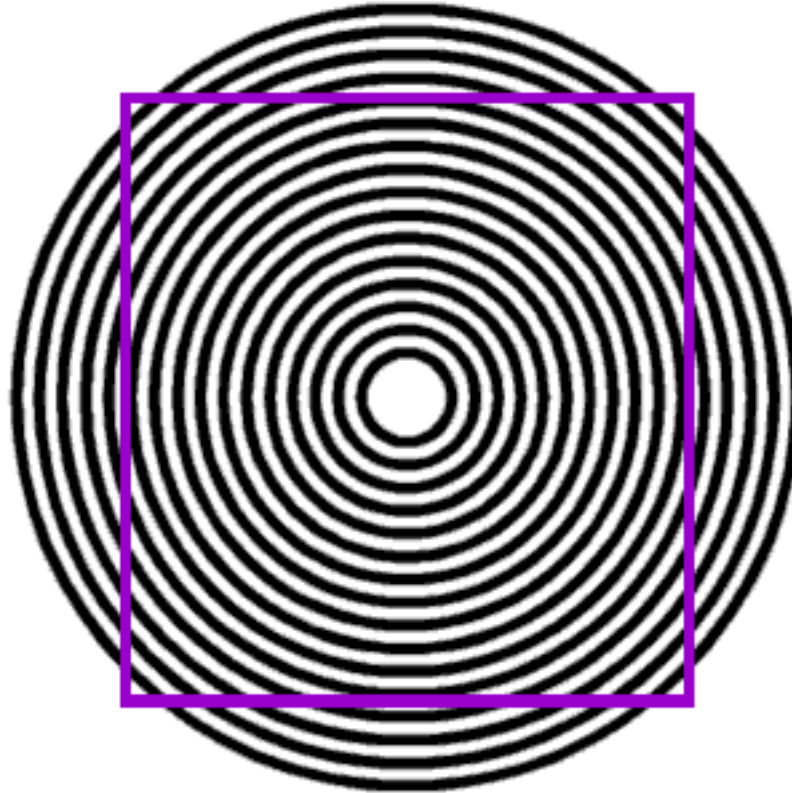
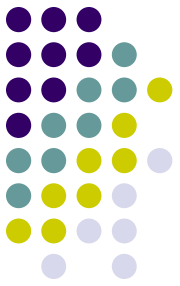


Ebbinghaus Illusion



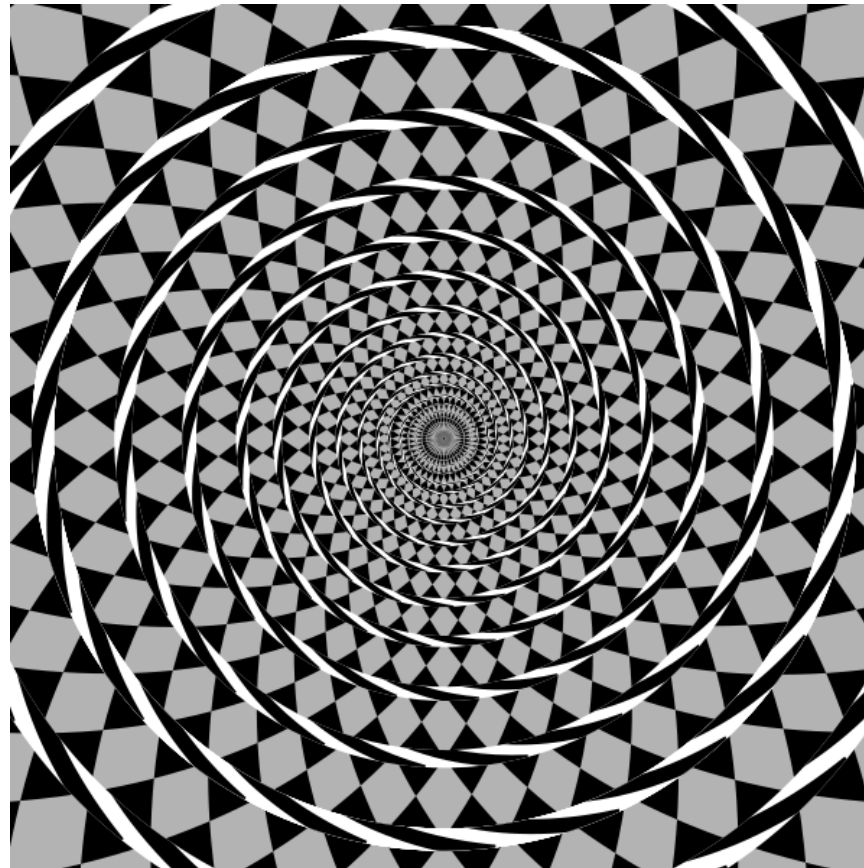
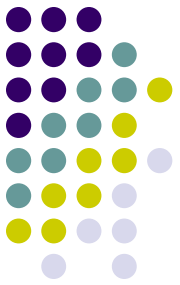
The two orange circles are exactly the same size.

Ehrenstein Illusion



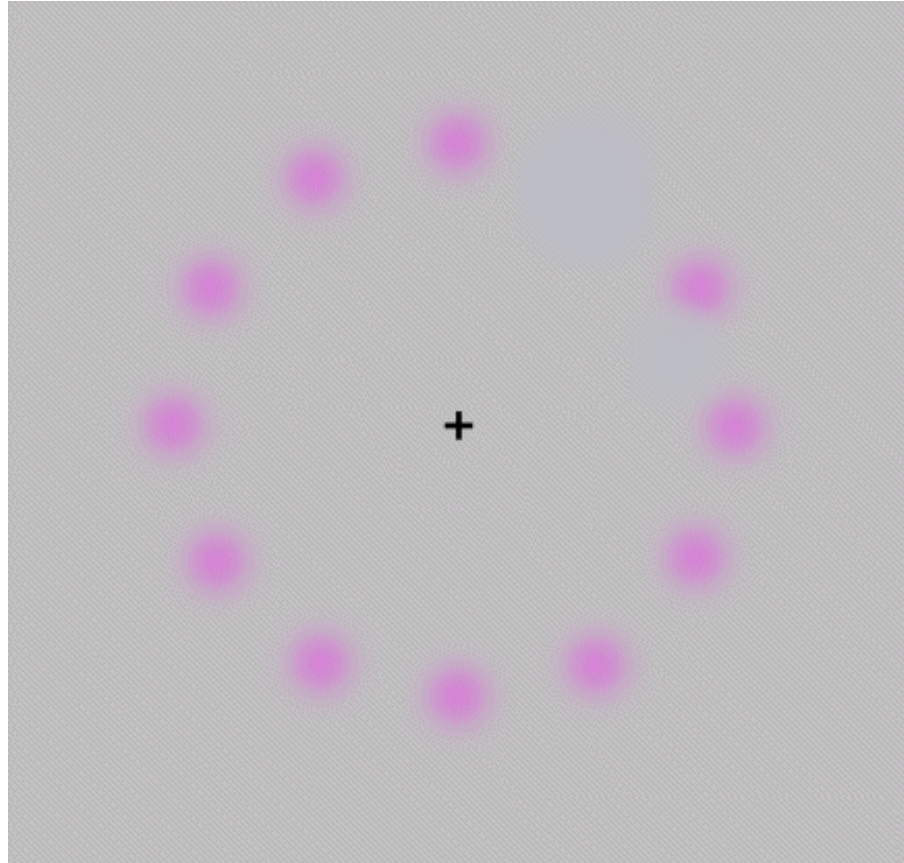
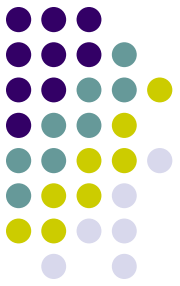
Sides of a square placed inside a pattern of concentric circles take an apparent curved shape.

Fraser Spiral



The arcs are a series of concentric circles.

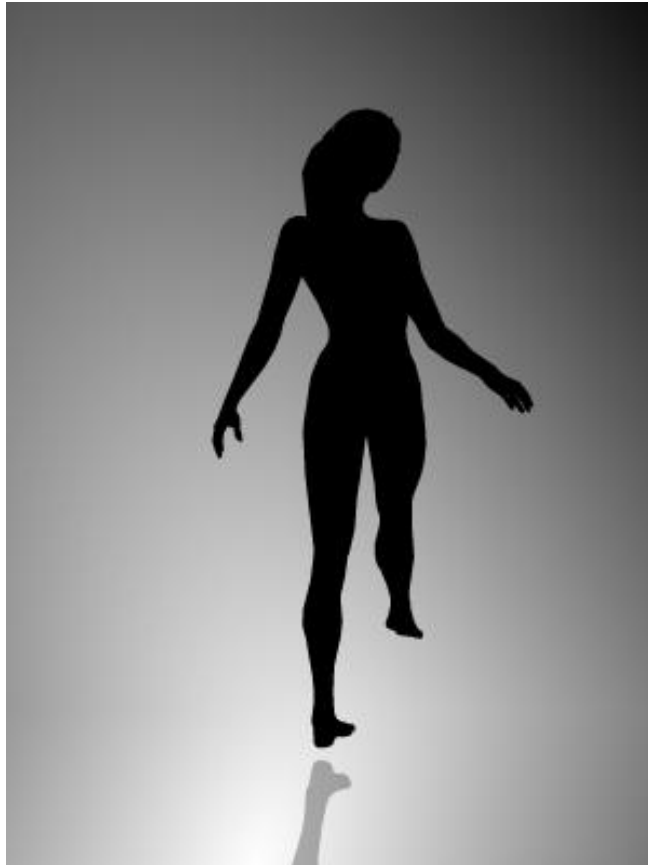
Lilac Chaser



Stare at the center cross for at least 30 seconds to experience the three phenomena of the illusion.



The Spinning Dancer

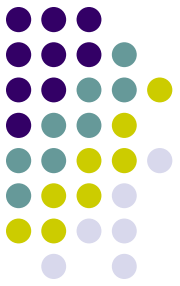
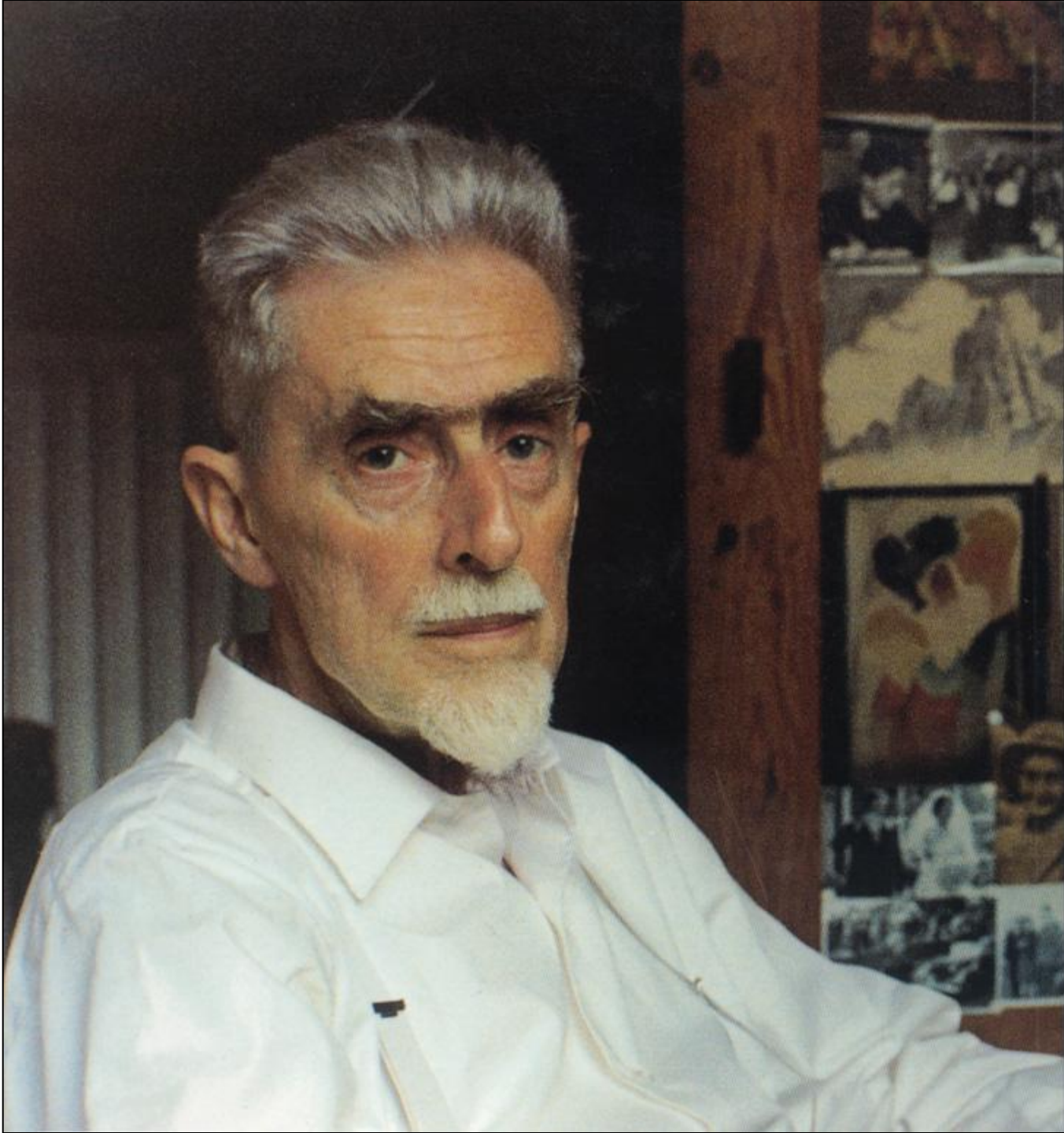


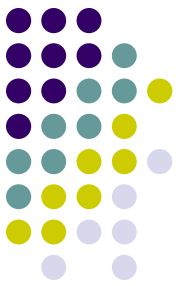
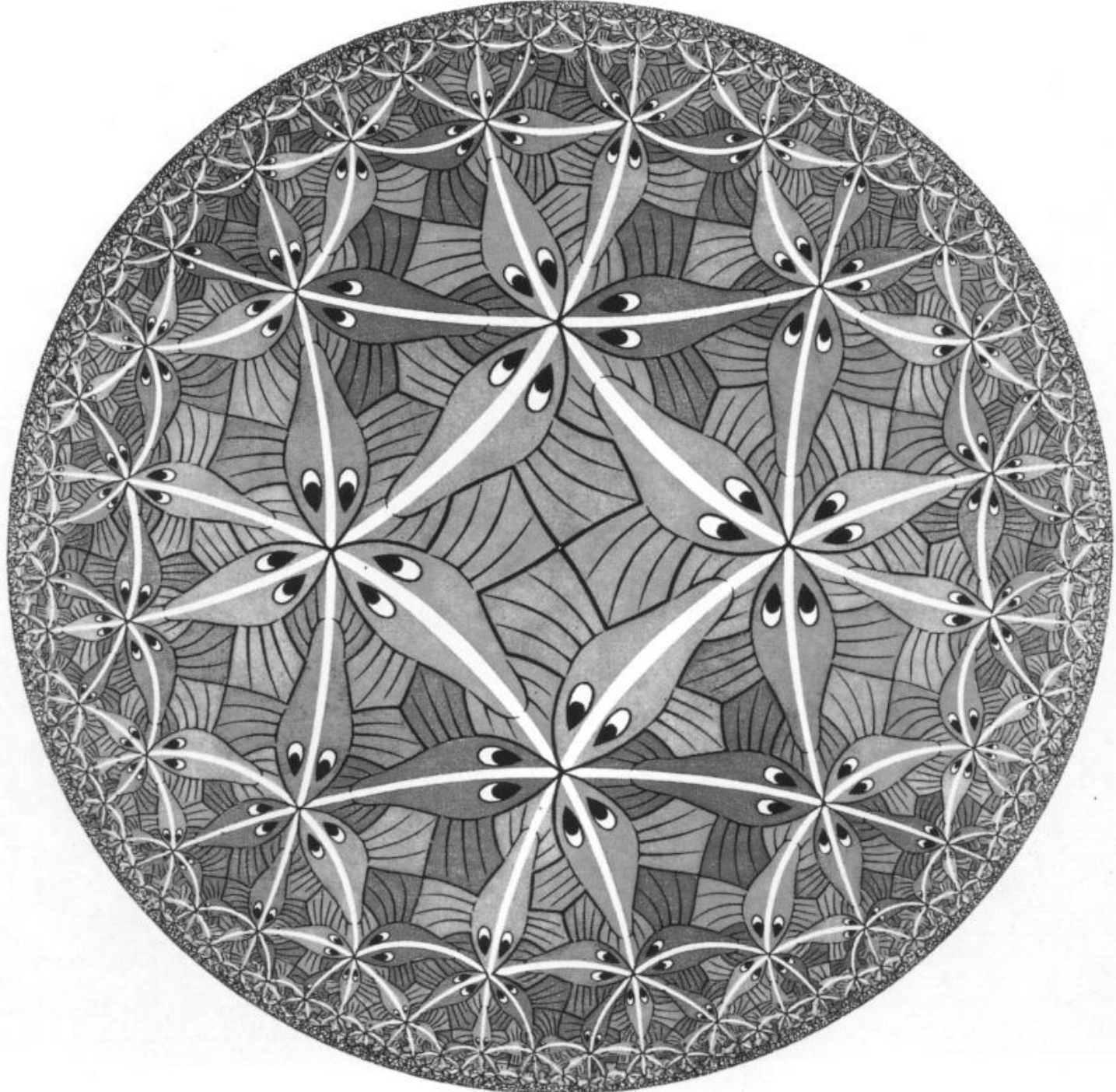
- If the foot touching the ground is perceived to be the left foot, the dancer appears to be spinning clockwise (if seen from above); if it is taken to be the right foot, then she appears to be spinning counterclockwise.

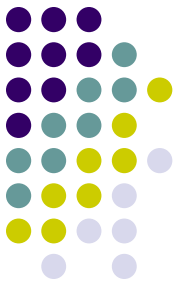
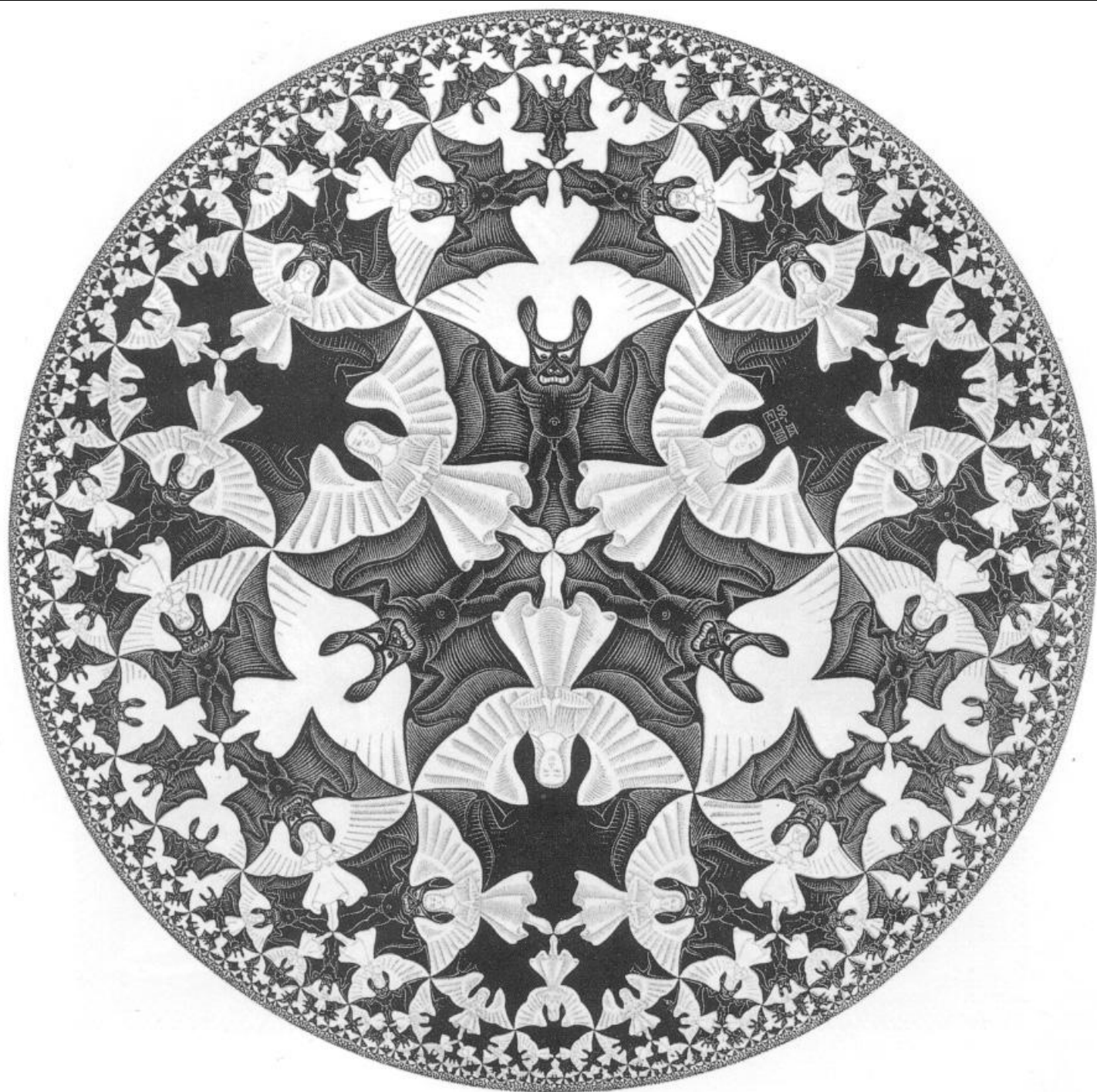


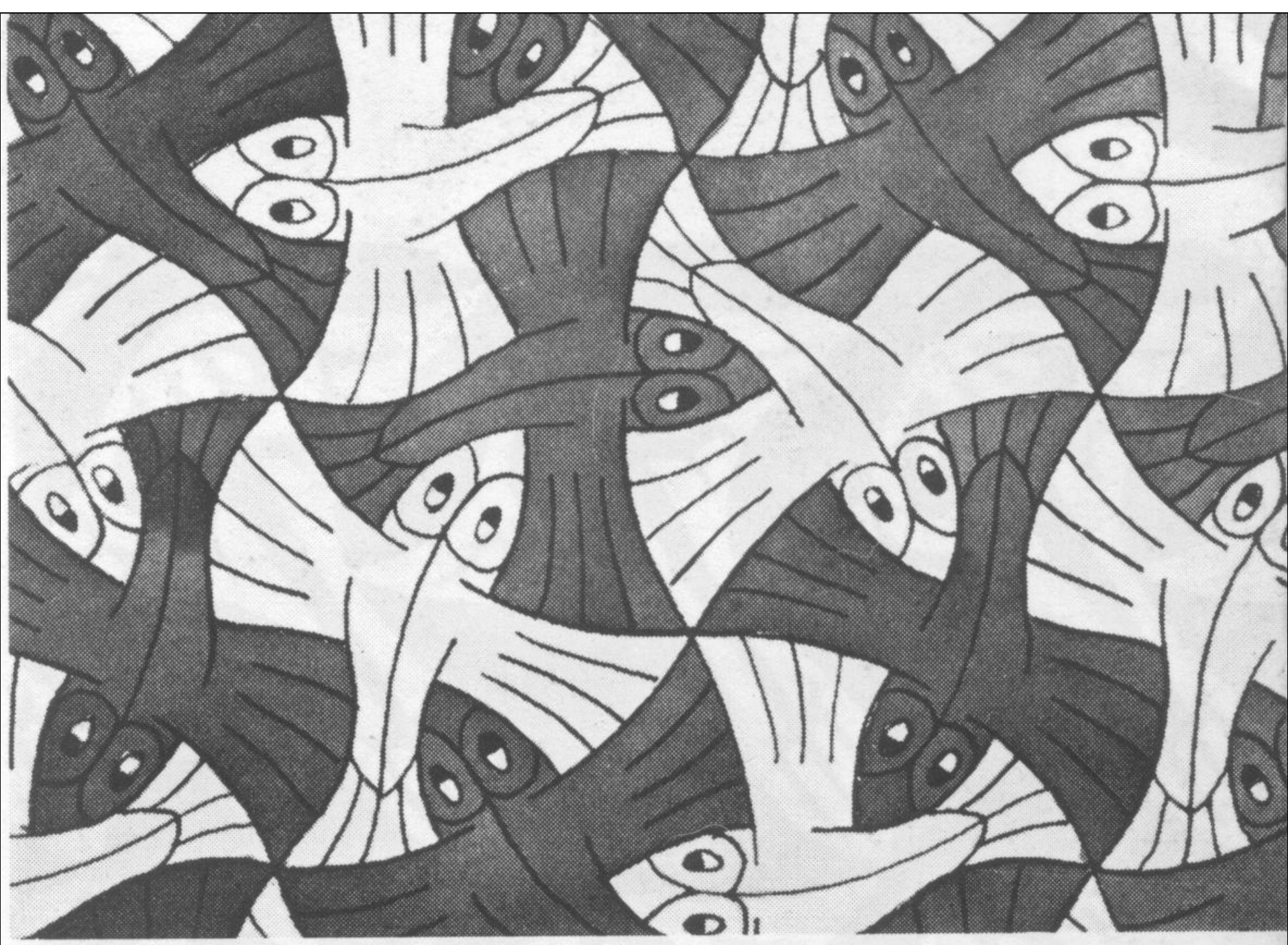
Interactive Illusions

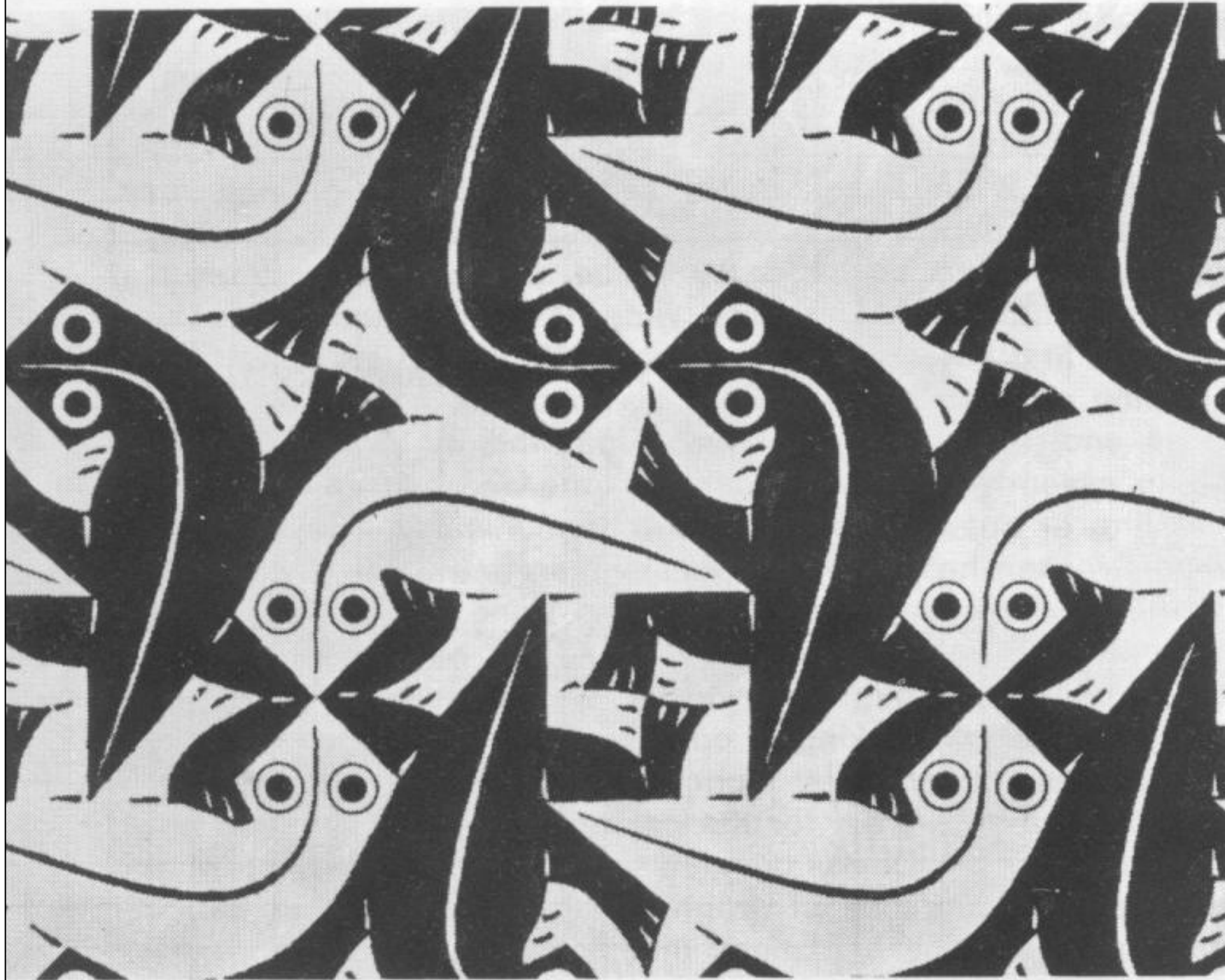
- Can be seen here:
- <http://www.michaelbach.de/ot/>

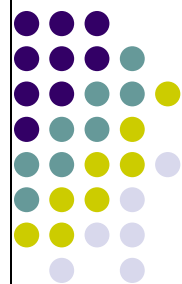




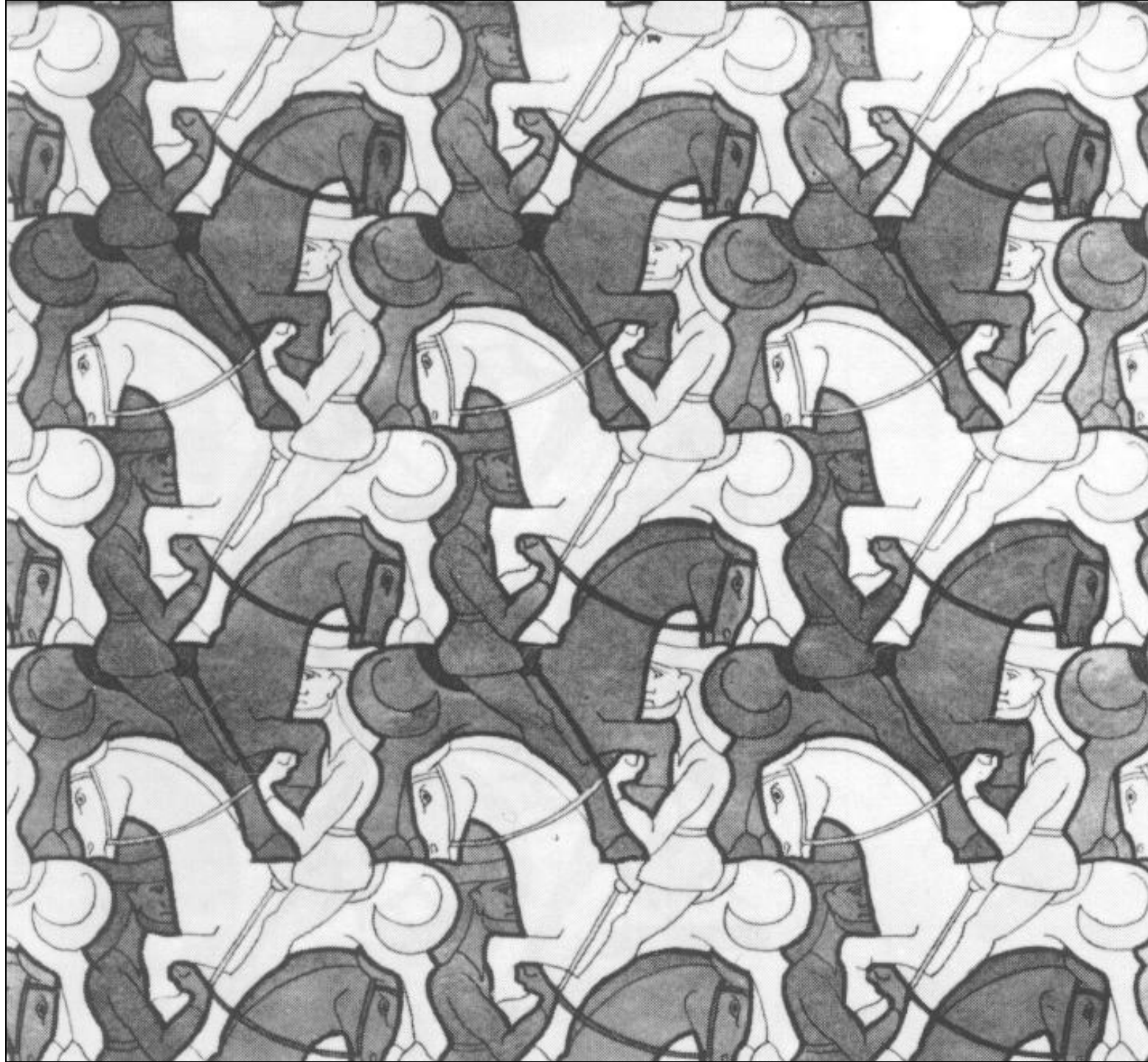


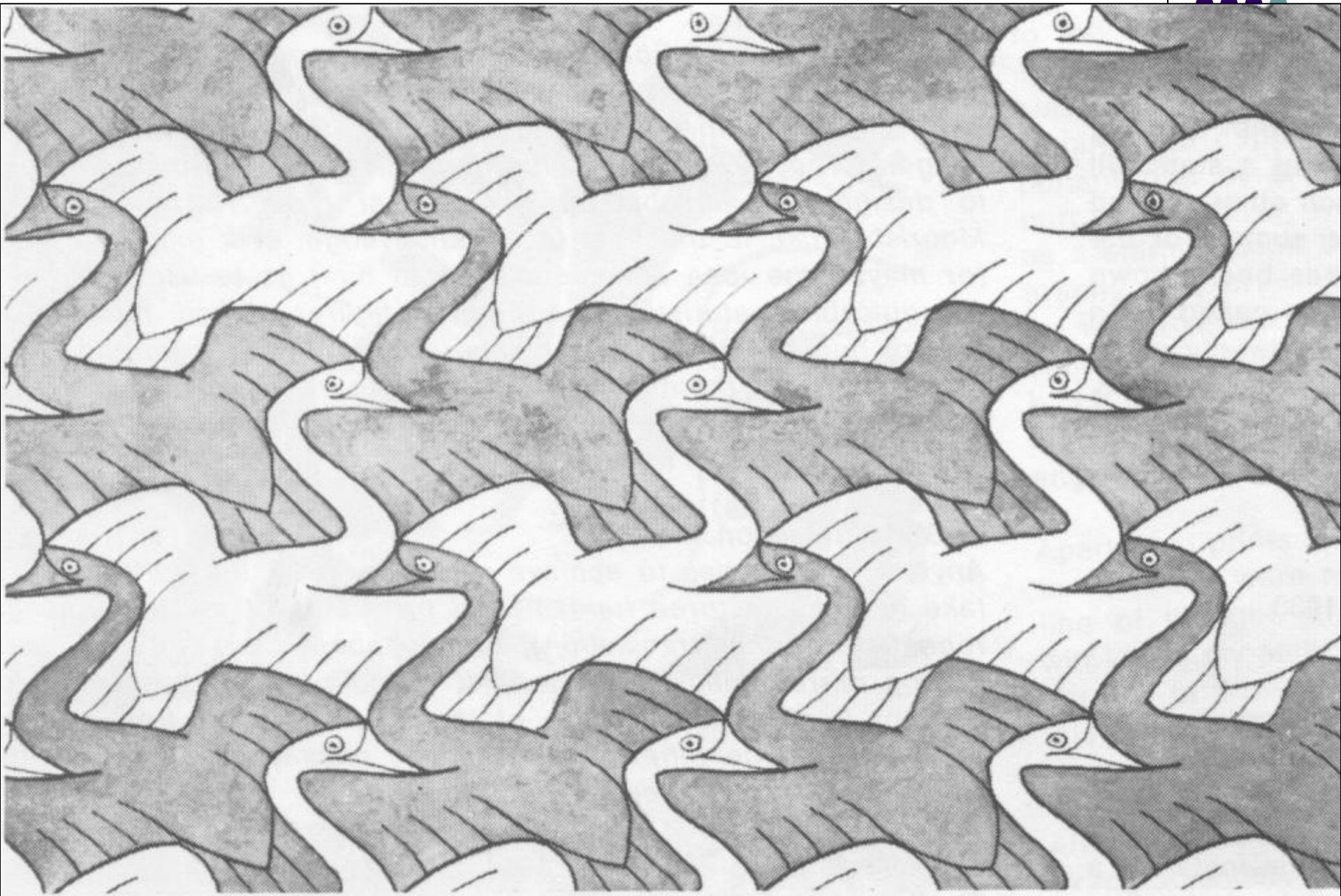


















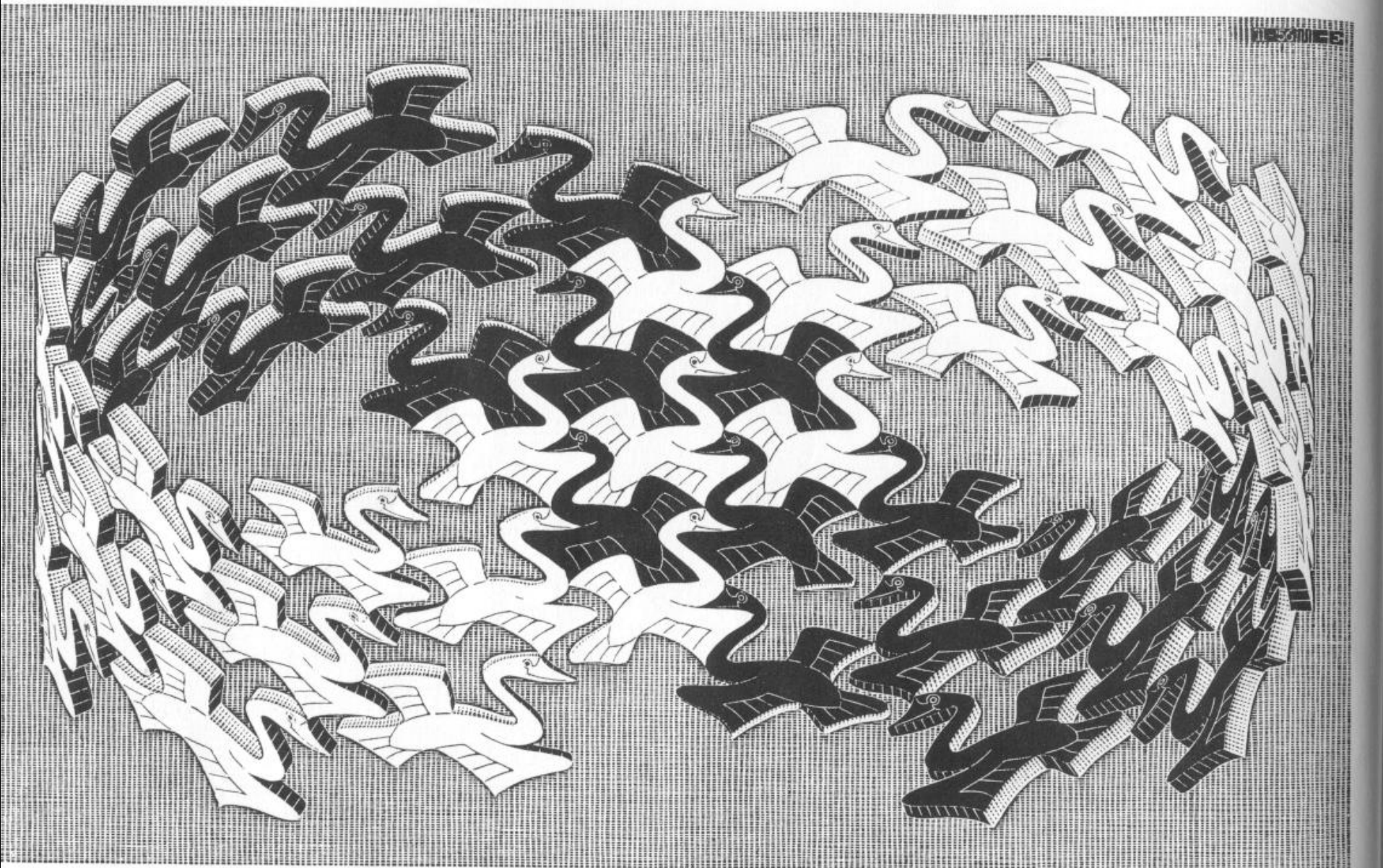


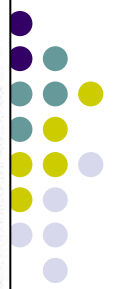






DESIGN





11-43
E-13

