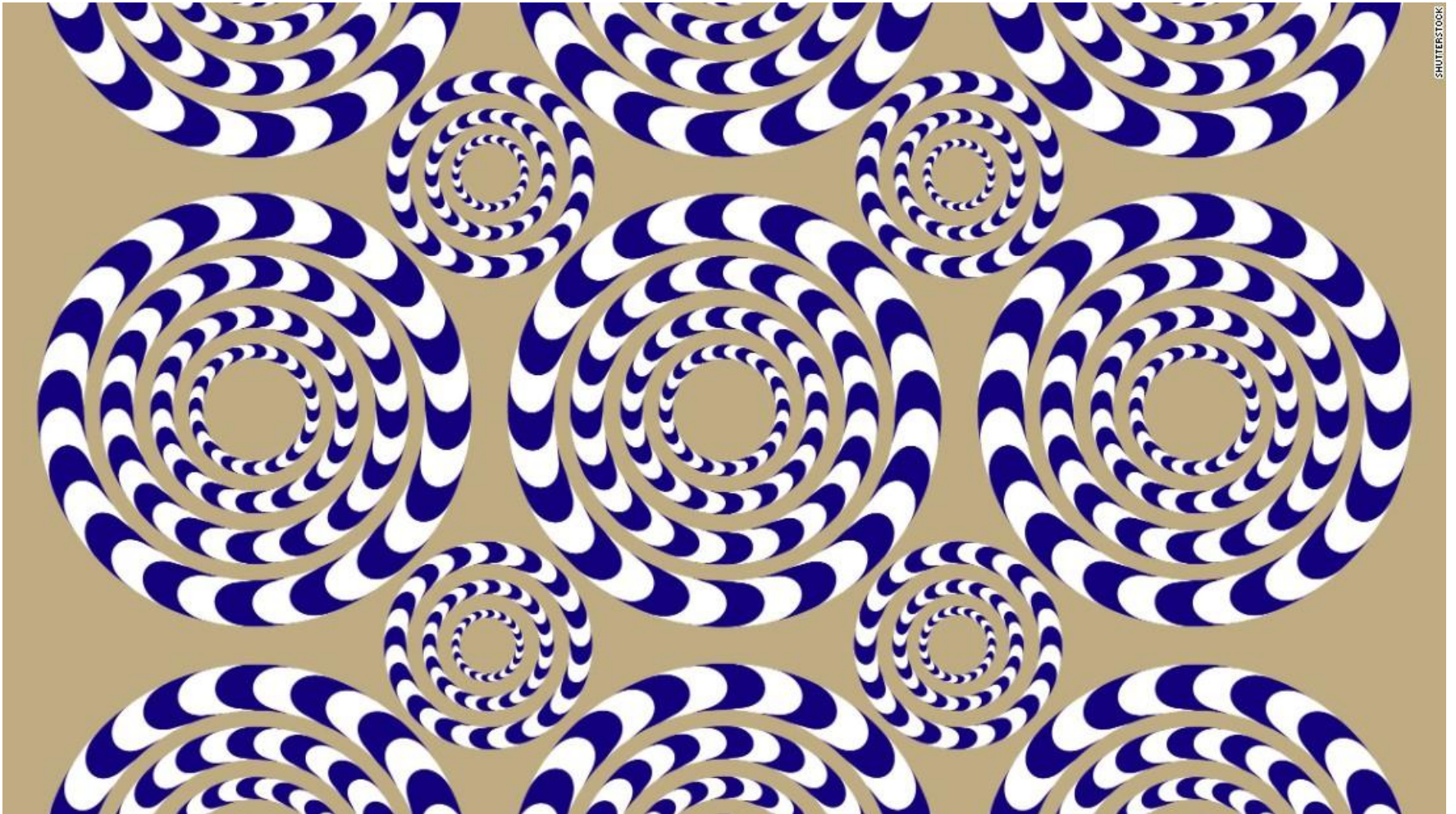
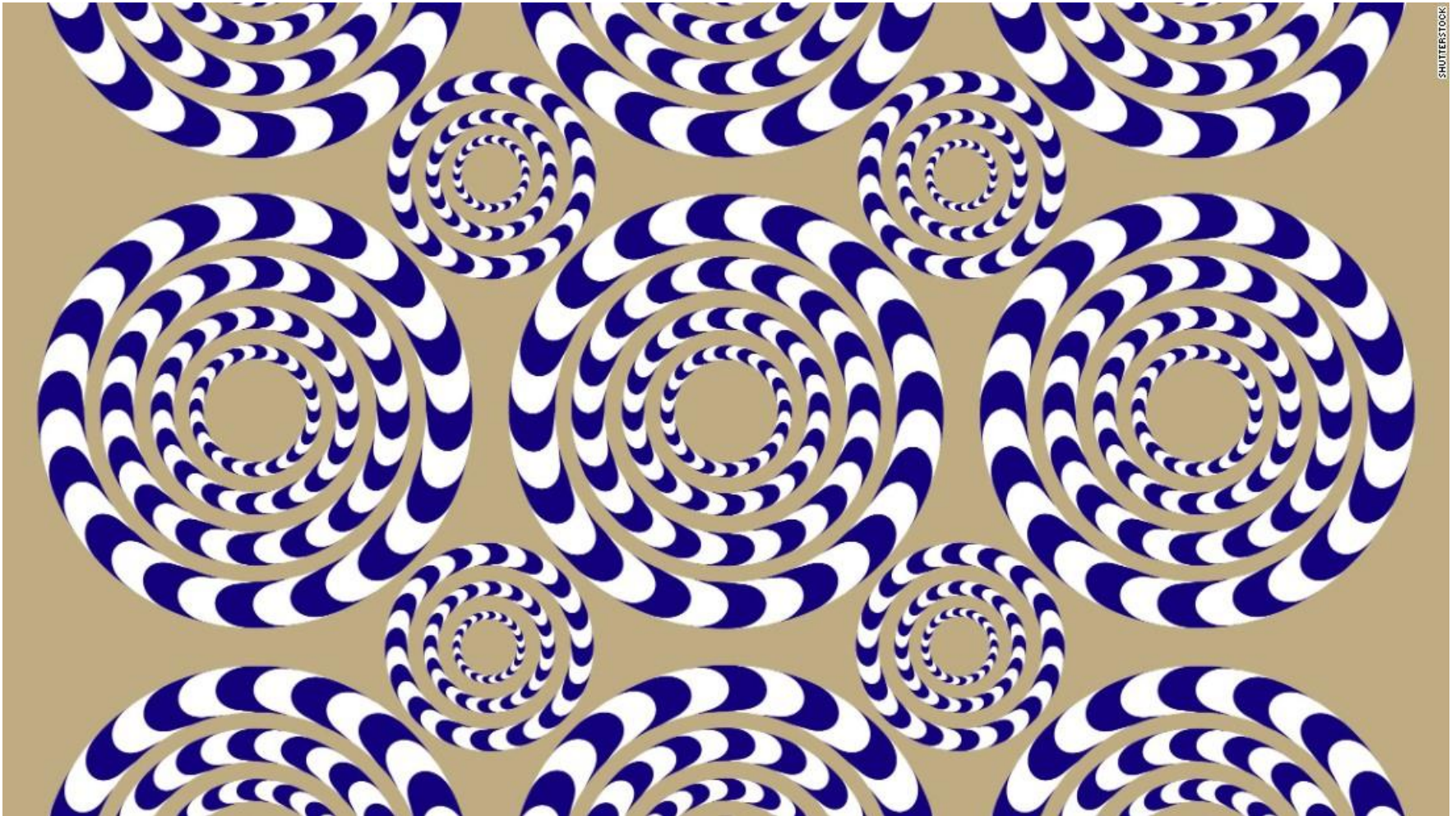


Let 's play a game

Game 1 :Focus on the picture for 10s



Game 1 : Can you see the circles rotating ?

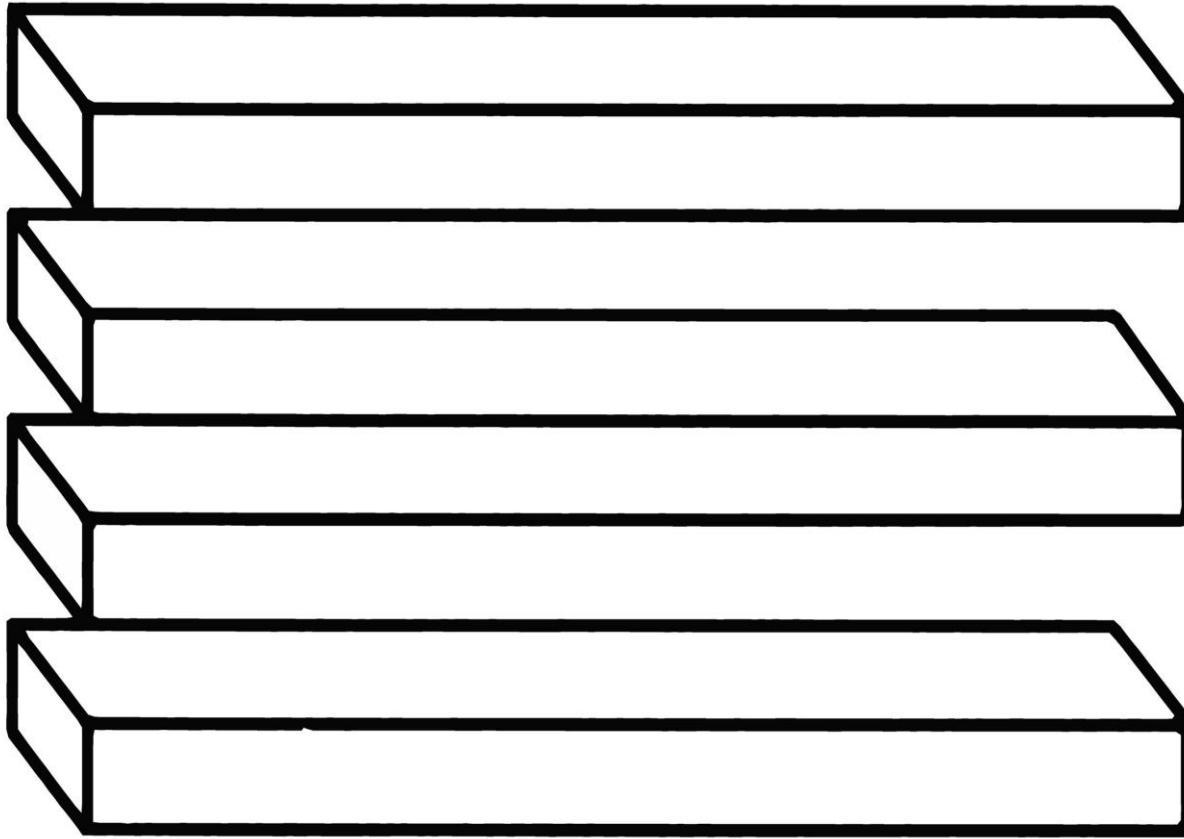


Game 1 : Are they really rotating ?

Lines and shapes
create
optical illusion(視錯覺) :
playing tricks on your eyes

Illusion of Movement

Game 2: How many selves are there?



Illusion of intertwine (交錯)

Game 3: How many people can you see ?



The old man

Game 3: How many people can you see ?



An old lady



Game 3: How many people can you see?



A young girl



Game 3: How many people can you see ?



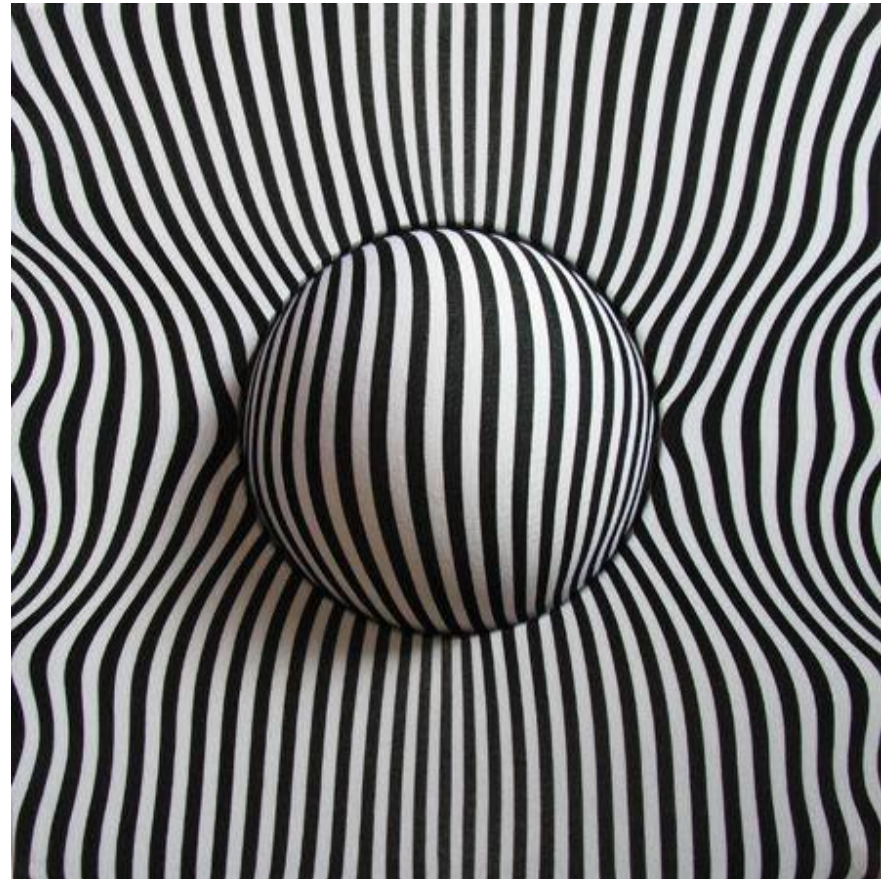
We can see different
faces from different
viewpoints

Illusion of multiple images

Game 4: What object can you see in the middle of the picture?

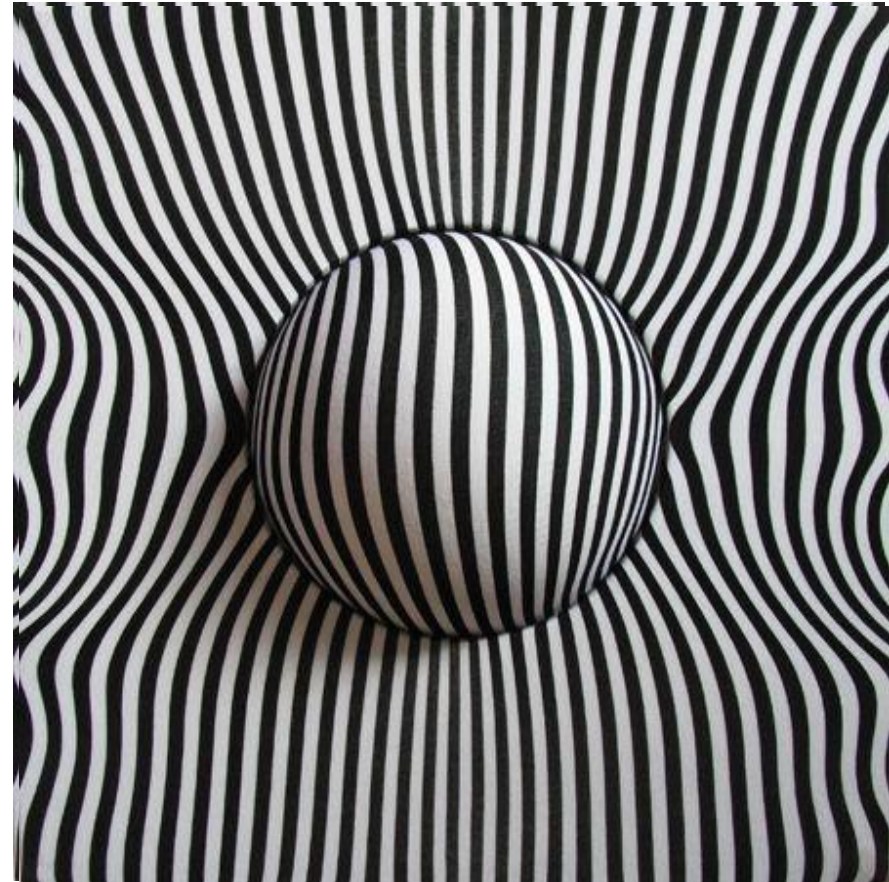
We can see a sphere (a 3D form) in a 2D surface

illusion of concave (凹)
and convex (凸)
(creating a 3D form on a 2D surface)



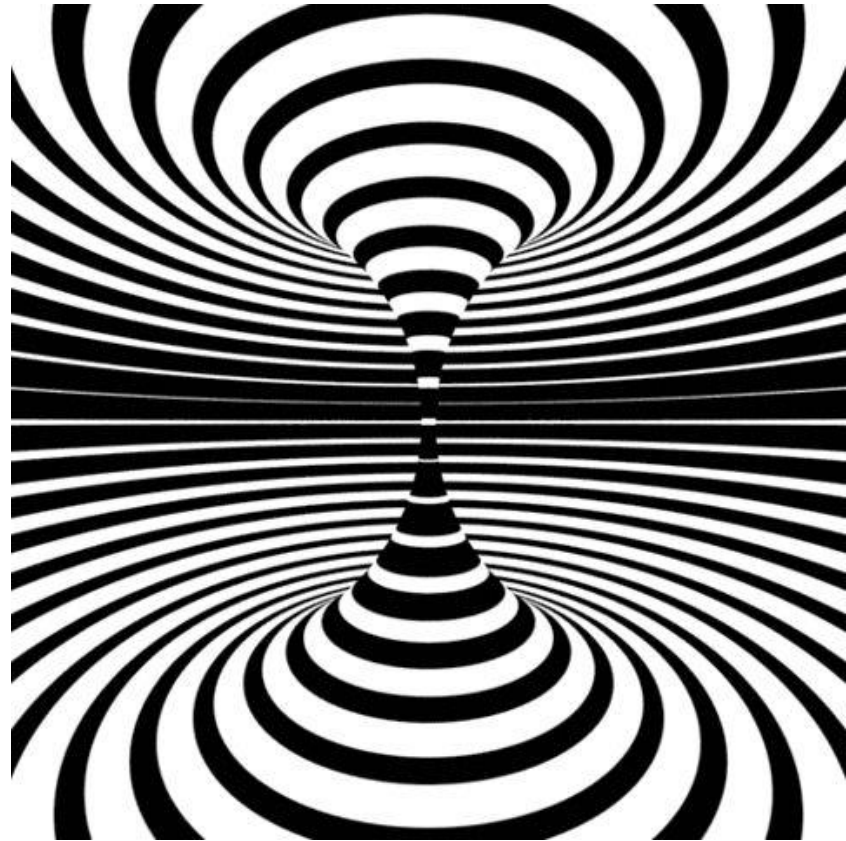
Different kinds of optical illusion

1. illusion of movement
2. illusion of intertwine
3. illusion of multiple images
4. **illusion of concave** (凹) **and convex** (凸)



What is Op Art ?

- ❖ Op Art(歐普藝術) is **Optical art (視幻藝術)**
- ❖ A style of visual art that uses **points, lines, shapes and colours** to make **optical illusions (視錯覺)**
- ❖ Give the viewer the impression of **movement, concave and convex.**



History of Op Art

- A movement pioneered by the artists **Bridget Riley** and **Victor Vasarely** in the 1960's
- Time Magazine coined the term **op art** in 1964



The first masterpiece of Op Art (By Victor Vasarely)

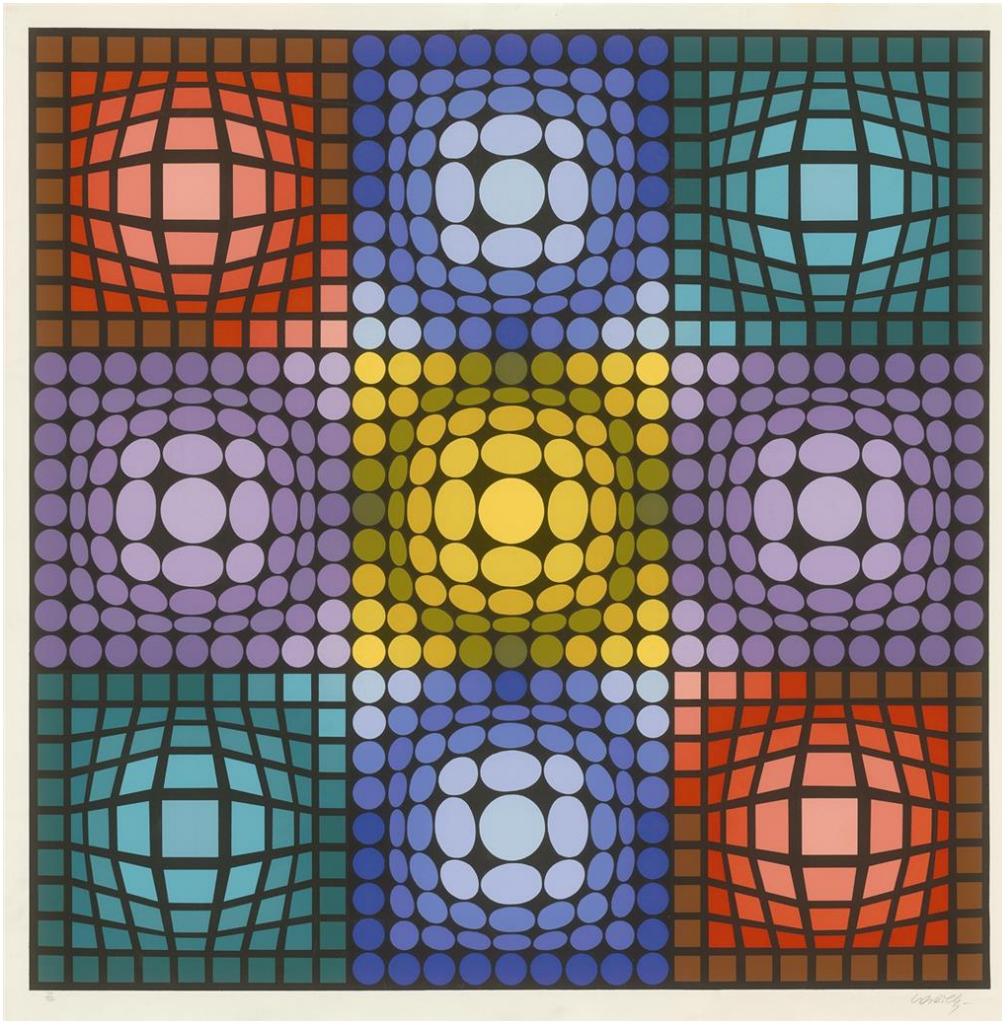
An artist of Op arts



Victor Vasarely

- The father of Op-Art.
- Explored visual illusions, and combined geometric elements with color and value to result in optical illusions.
- The major master of 20th century art.

An artwork by Victor Vasarely



1. What is the visual effect of this work?

2. Why does this work look like three-dimensional ?

Apply **illusion of concave and convex** :

The shapes of line change in the middle part of each square.

How to create Op arts?

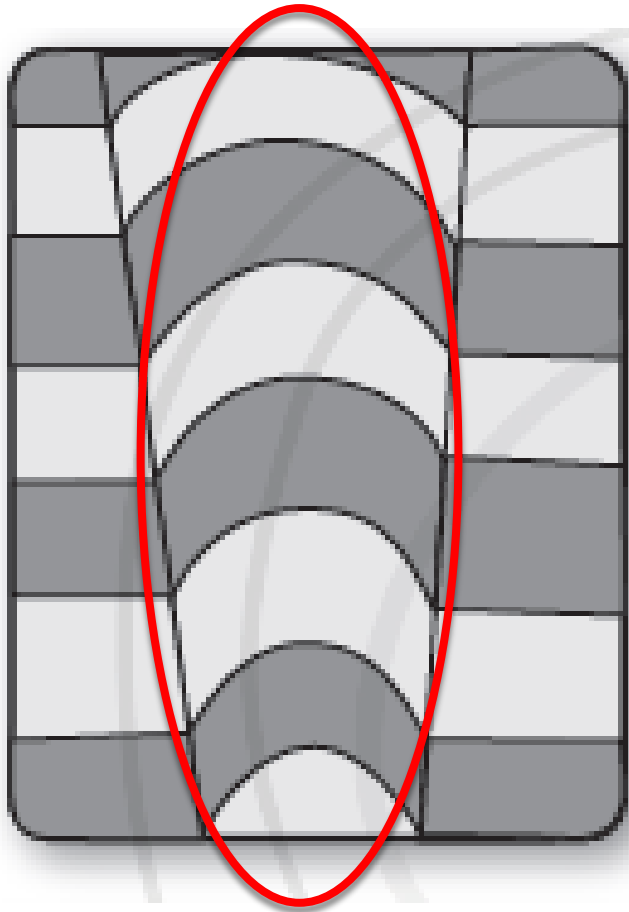
Illusions of concave and convex:

1. Objects stick out from surface

2. Web

3. Tubes

1. Objects stick out from surface.



- Use **curved lines** for a shape that stick out (突起的形狀)
- Use **straight lines** for a flat area (平面)

2. Webs

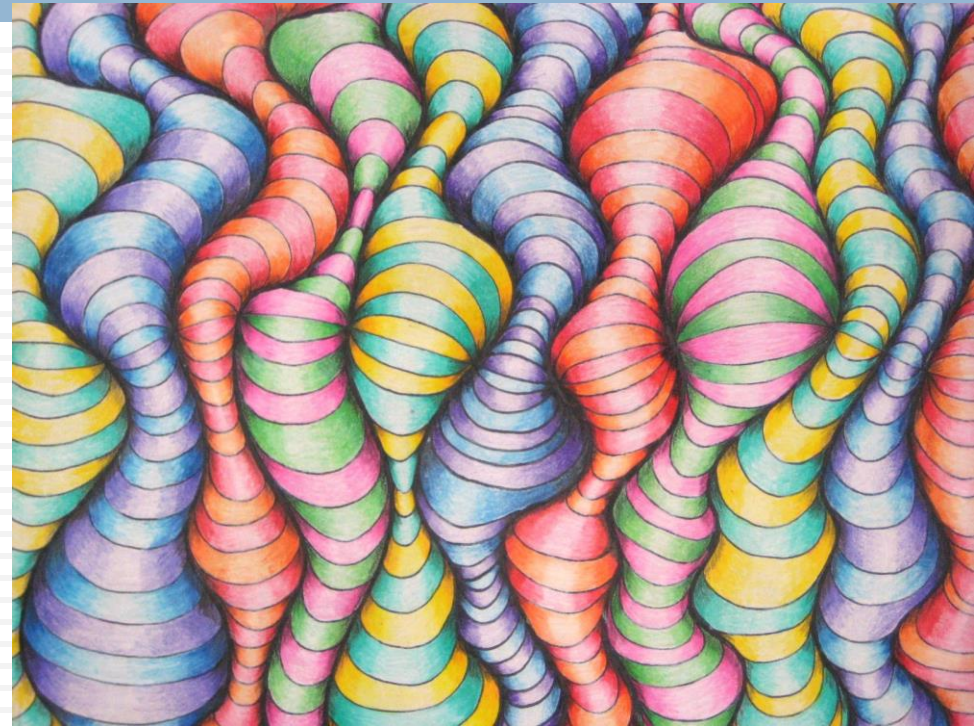


3. Tubes



How to draw webs and tubes ?

Demonstration Time

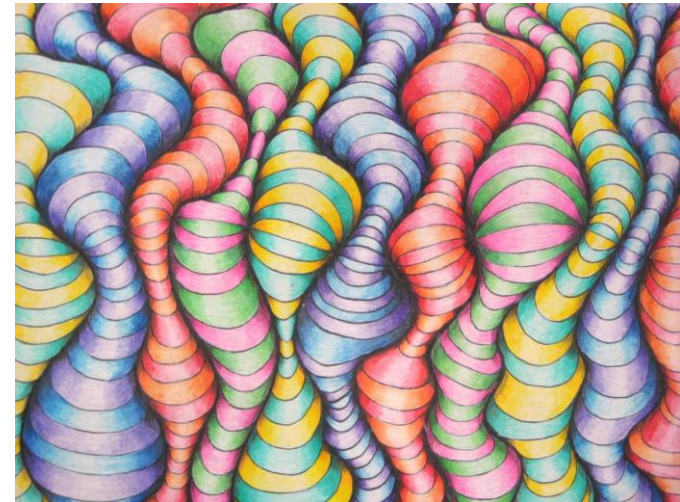


In class exercise

Objectives: Create the illusion of **a web and tubes on the worksheet**

- Arrange lines and shapes effectively
- Create **optical illusions**
- Draw lines **smoothly**

Time: 10 minutes



What is the difference between these two pictures ?

A



A real object

B



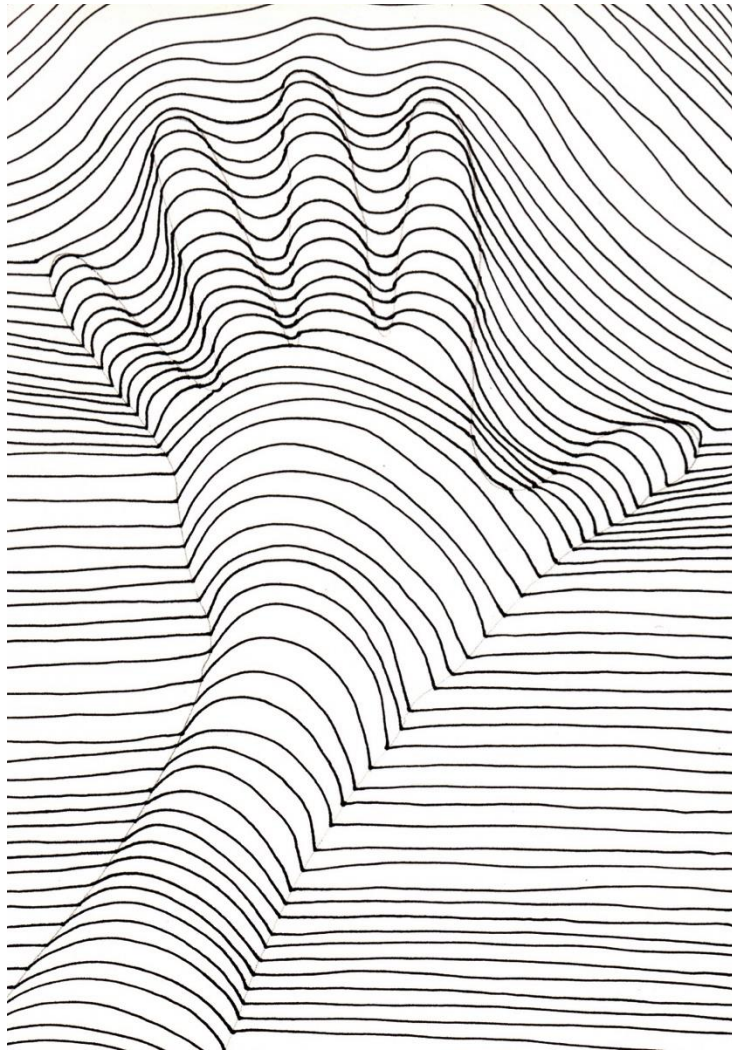
A drawing

How to show the three-dimensional shape of the sport shoe in a surface?



Draw lines in different directions from the lines on the surface to highlight the 3D form.

Demonstration Time: Draw a hand



Pay attention to
the variation of
lines (線的變化).

Individual Work

Objectives: Make use of **lines** to create an optical illusion on a cartridge paper

- ❑ Make a draft with pencil
- ❑ Draw the contour outline of the objects
- ❑ Fill in the objects with different lines
- ❑ Fill in the background with straight line

- ❖ **Arrange lines effectively**
- ❖ **Draw lines smoothly**
- ❖ **Originality and Imagination**

Examples of individual work



Appreciation Time

- ❖ Can your work arrange lines effectively to create optical illusion ?
- ❖ Are the lines drawn smoothly?
- ❖ Can your work show a 3- dimensional object on a piece of paper ?