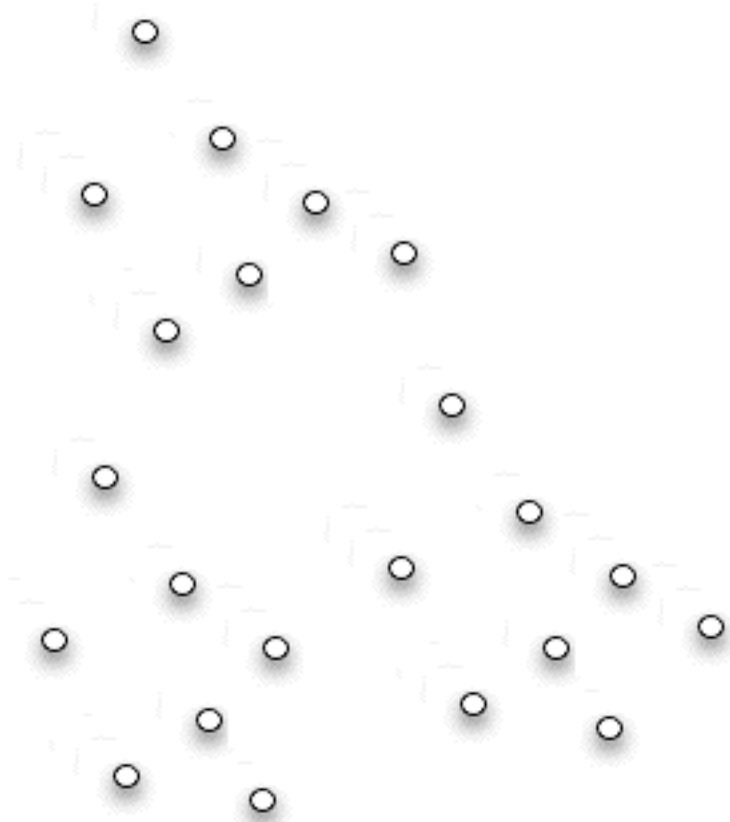


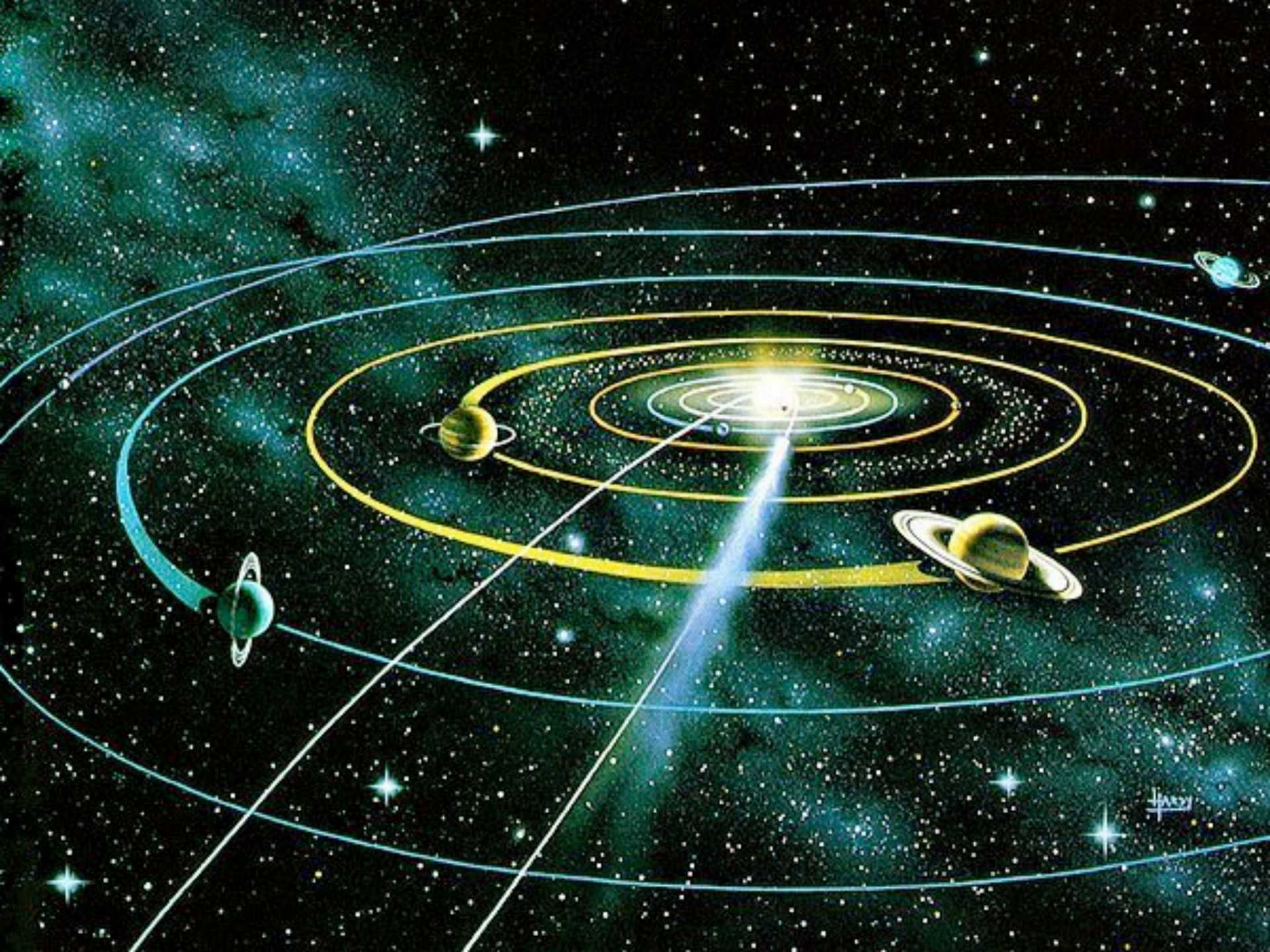
x, y, z, w, u,.....



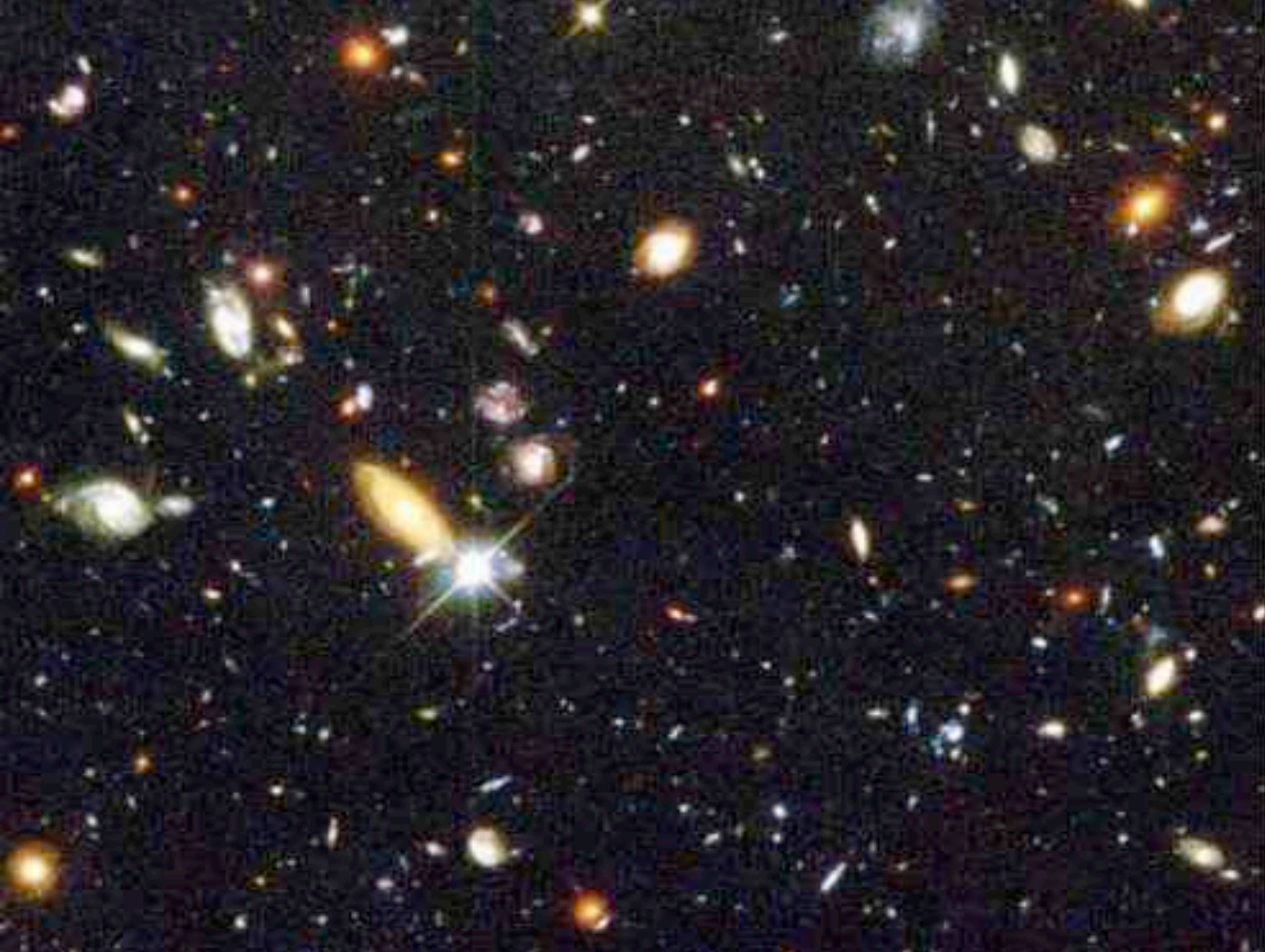
10
100
1,000
 10^{10}
 10^{100}
 $10^{10^{100}}$





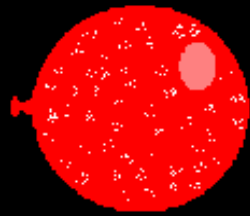


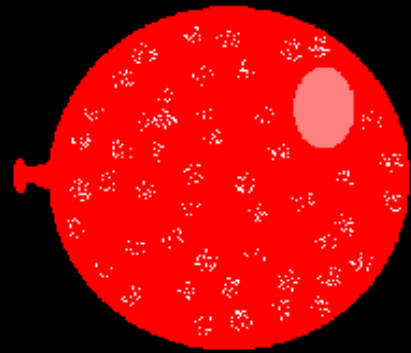


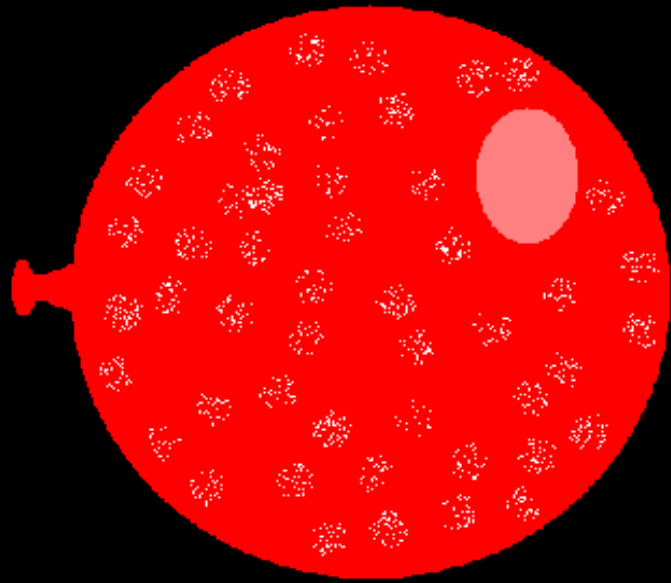


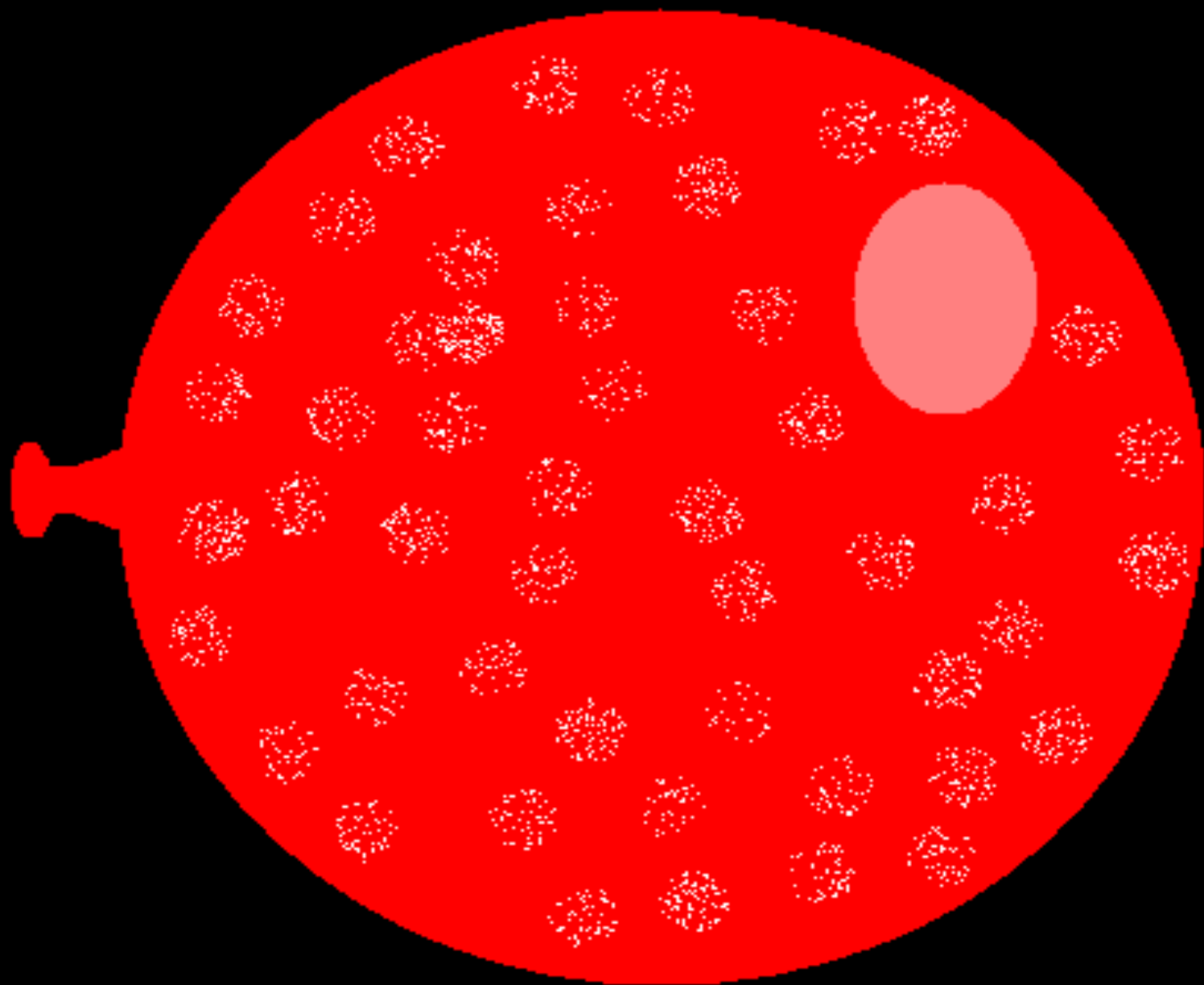


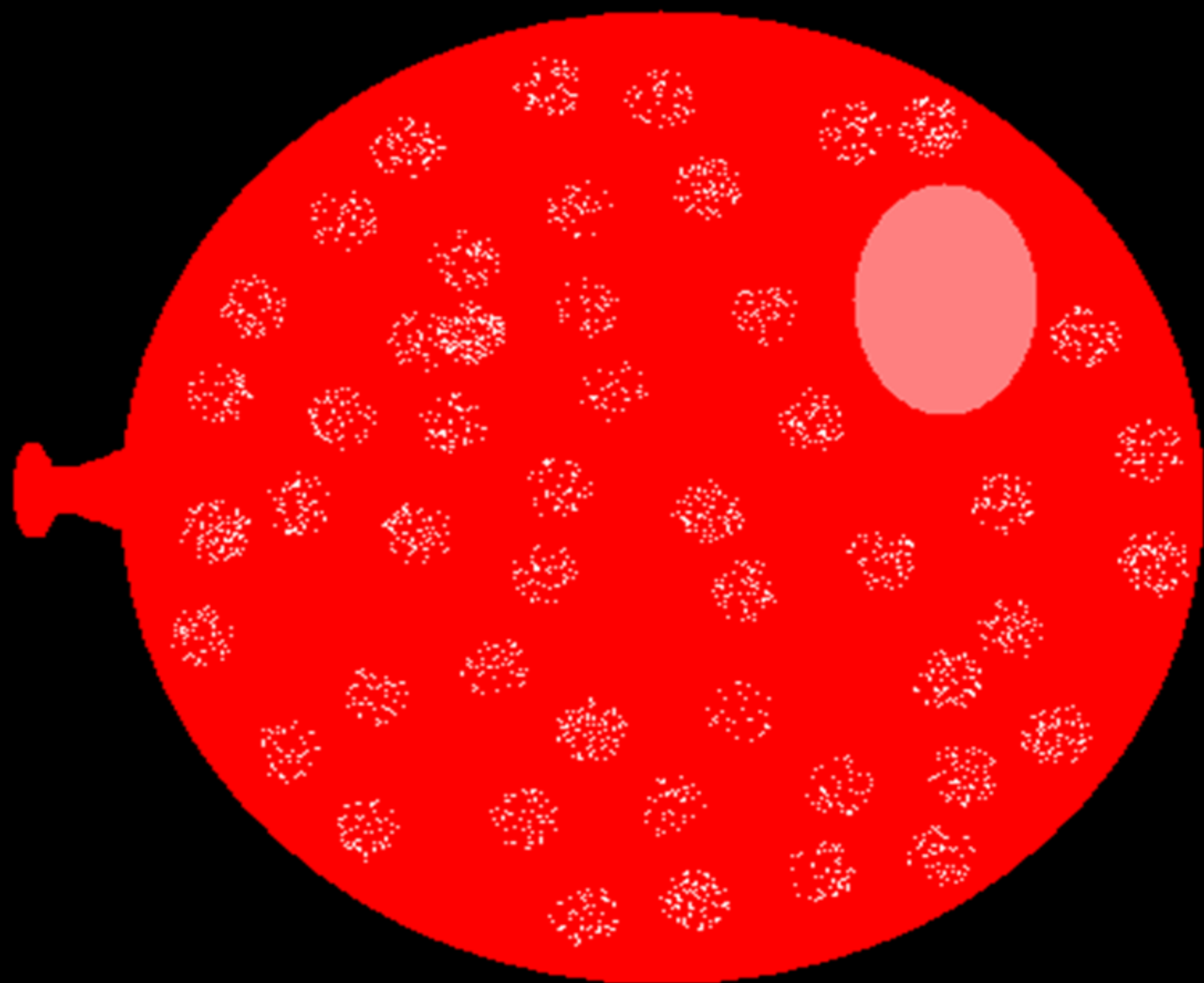


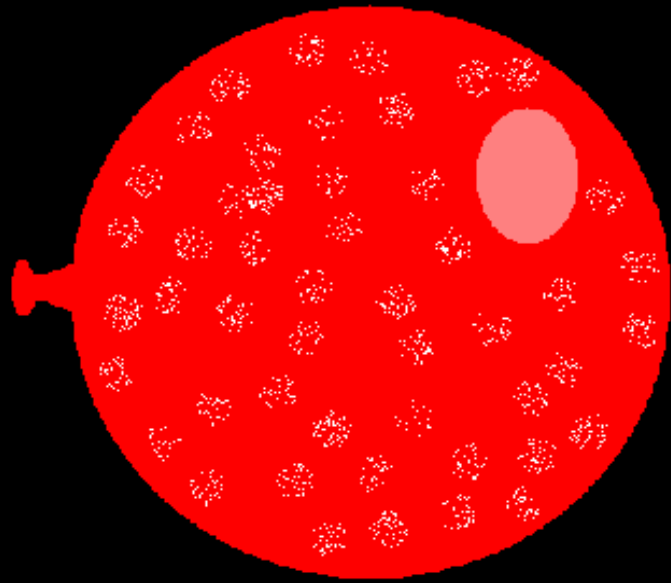


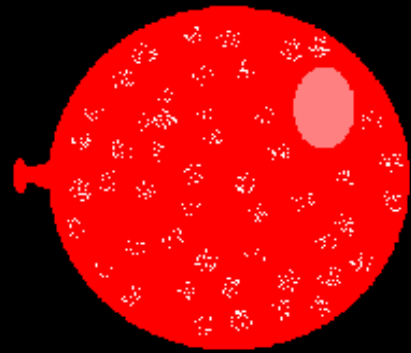


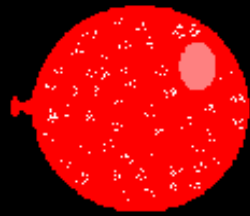






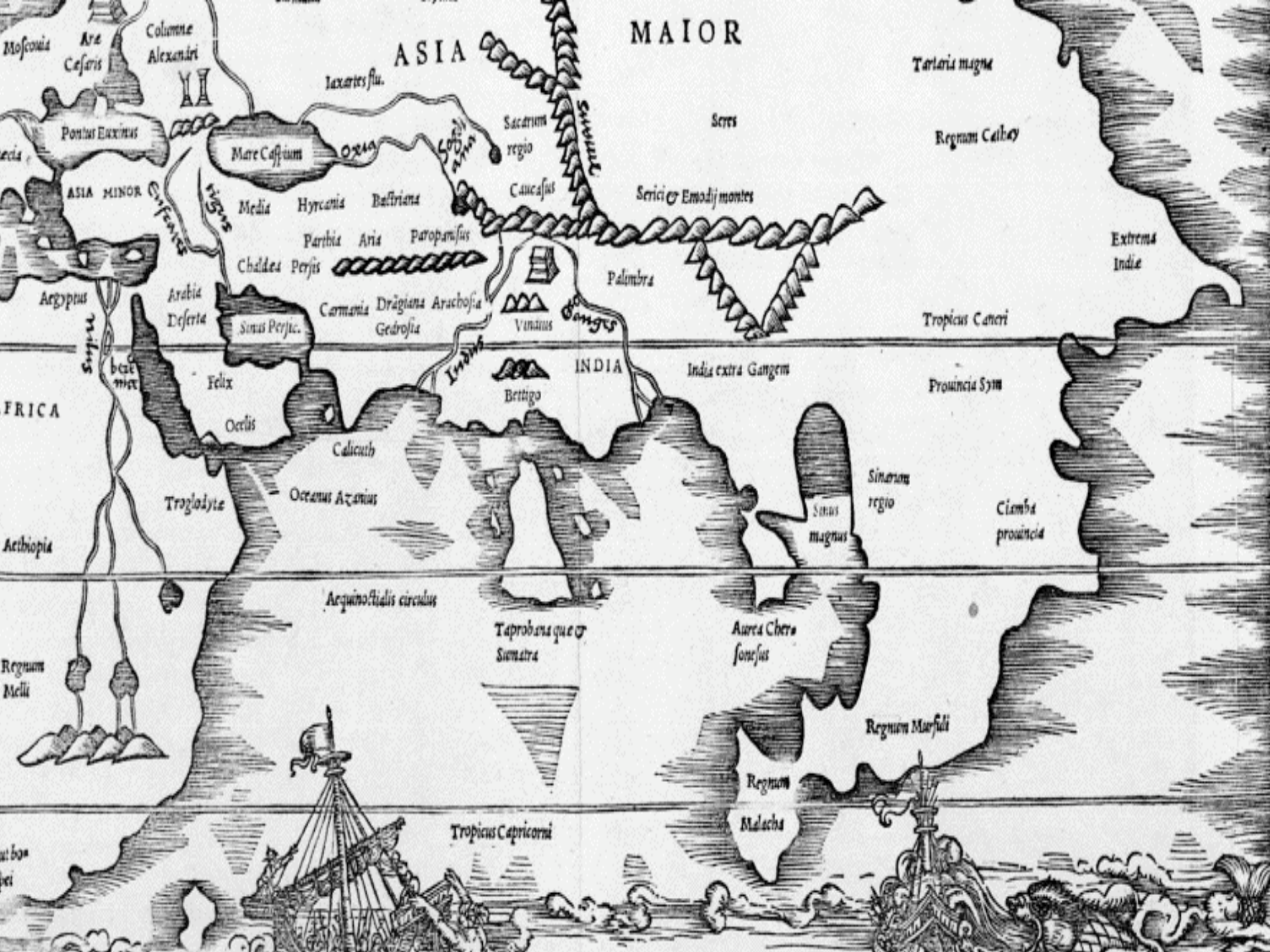












ASIA MAIOR

ASIA

Tartaria magna

Seres

Regnum Cathay

Mare Caspium

Sacrum regio

Pontus Euxinus

Serici & Emodij montes

Extrema India

Media

Hircania

Bactriana

Caucasus

ASIA MINOR

Parthia

Aria

Paropamisus

Palimbra

Chaldea

Persis

Aegyptus

Arabia Deserta

Sinus Perjic.

Carmania

Drangiana

Arachosia

Vinanus

INDIA

India extra Gangem

Tropicus Canceri

Provincia Sym

FRICA

Felix

Oerlis

Bettigo

Calicut

Oceanus Aravius

Sinorum regio

Ciamba provincia

Aethiopia

Troglodyte

Aequinoctialis circulus

Taprobana que & Sumatra

Aurea Chera sonesus

Regnum Mafili

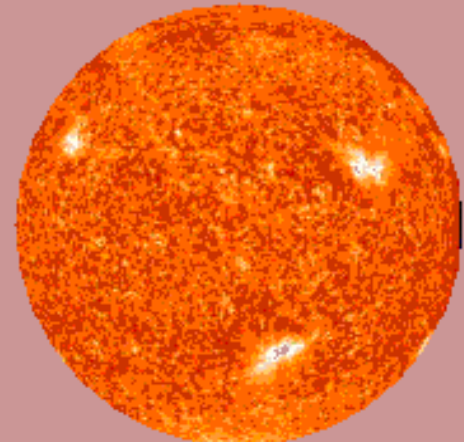
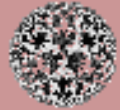
Regnum Mellu

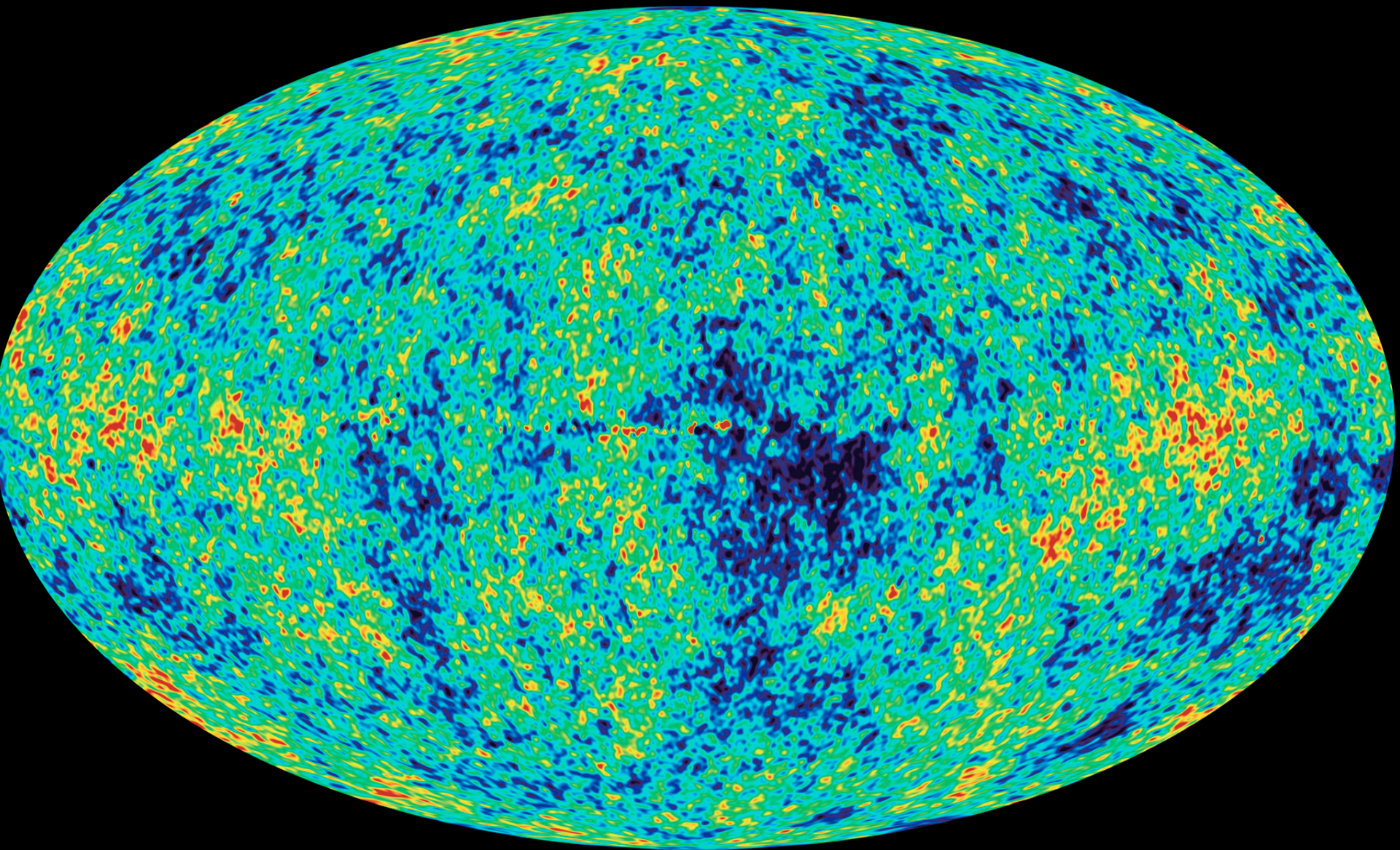
Regnum Malacha

Tropicus Capricorni



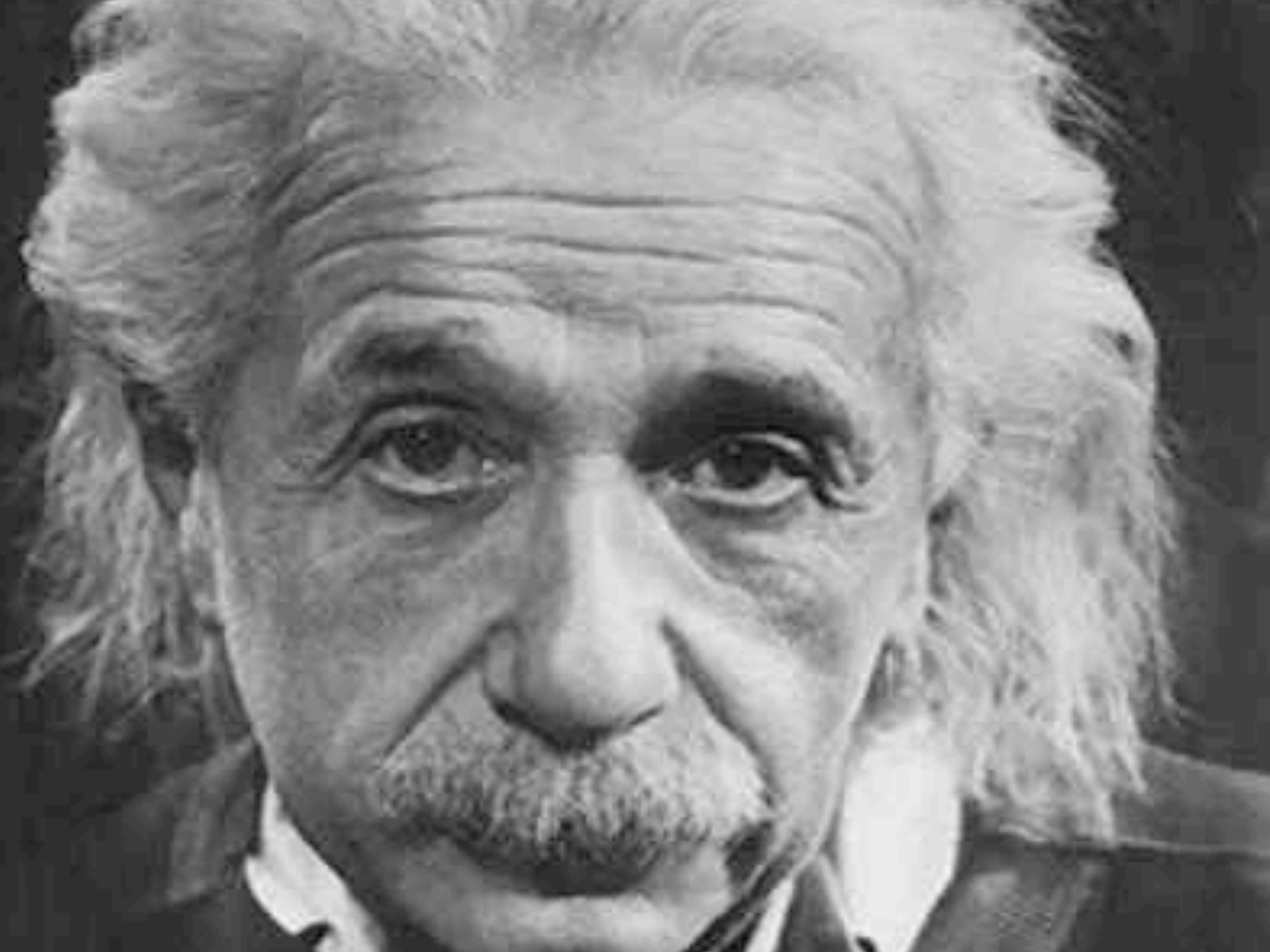
The World as a Multiverse





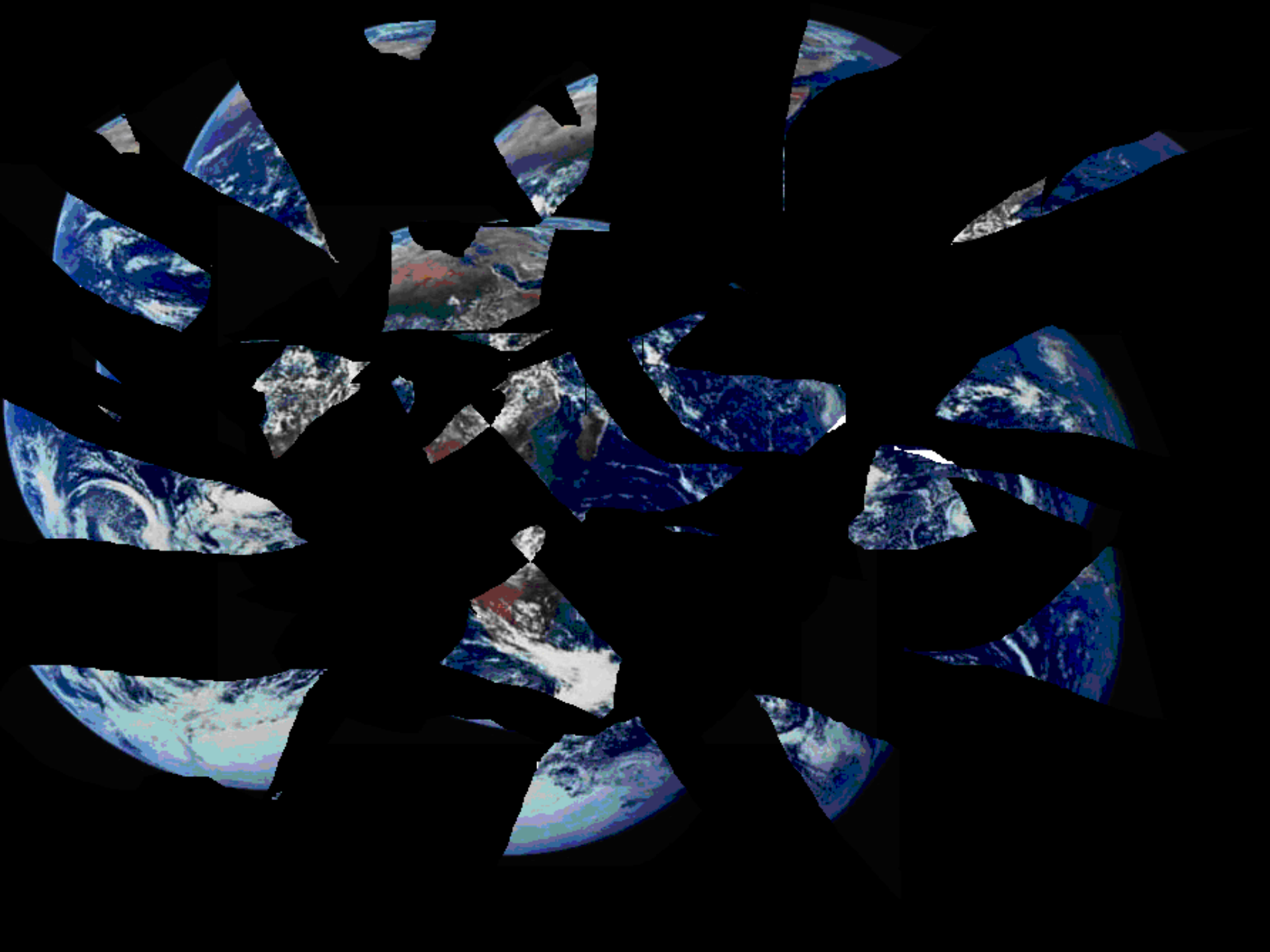
*Why is the universe
so finely tuned for our
own existence?*

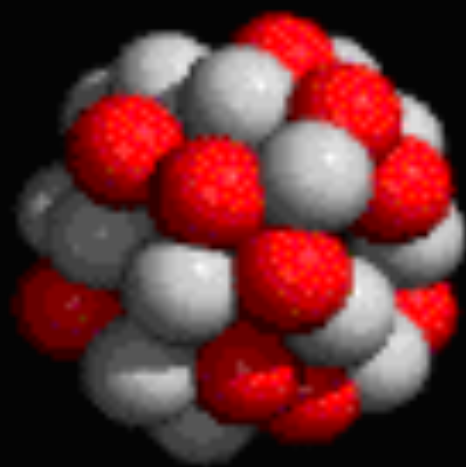


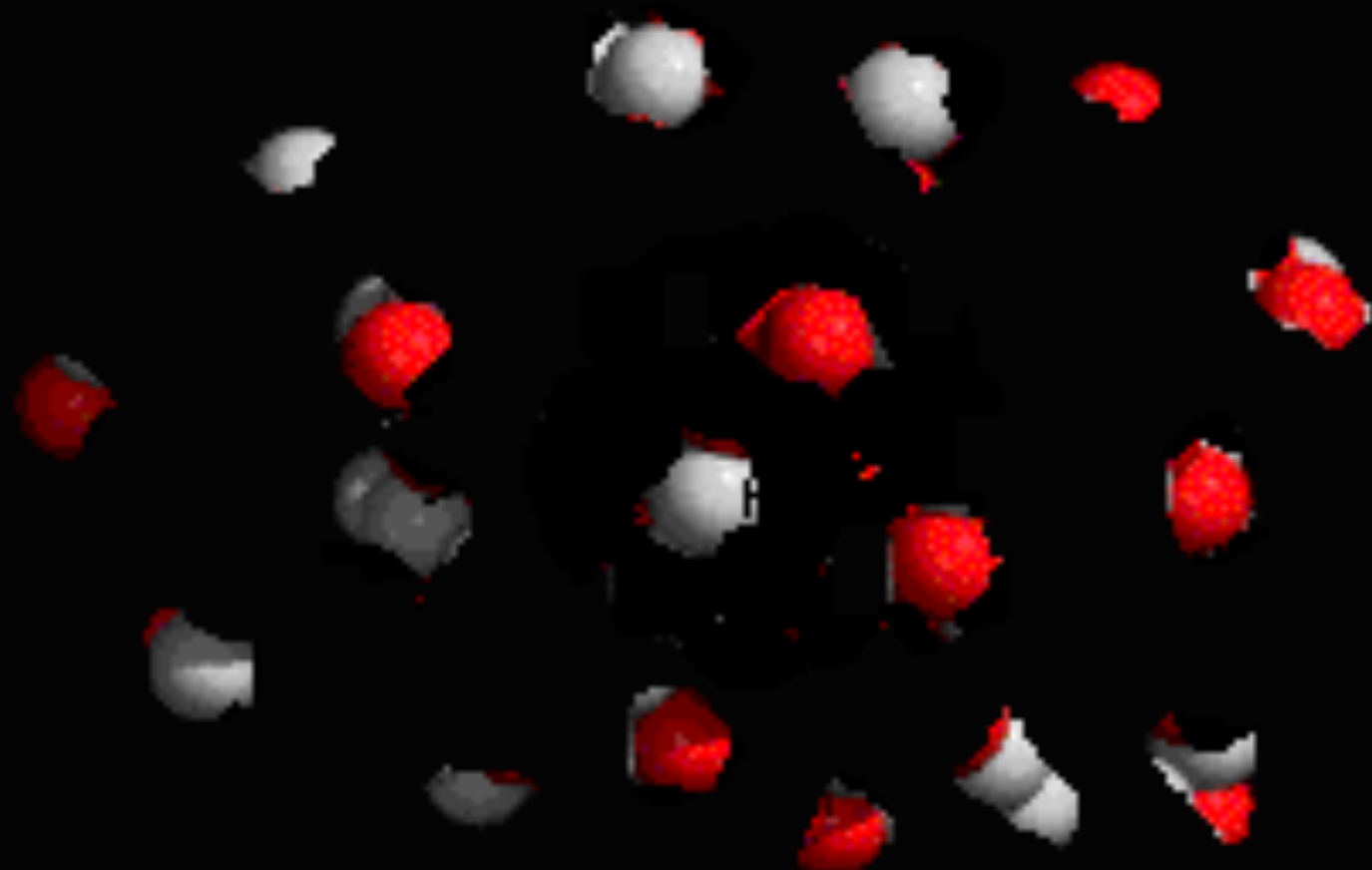


$$\mathbf{F} = \frac{mM\mathbf{G}}{r^2} + \Lambda m \mathbf{r}$$









$$\Lambda = .00000$$

$$\Lambda = .0000000000$$

$$\Lambda = .0000000000000000$$



An accident?

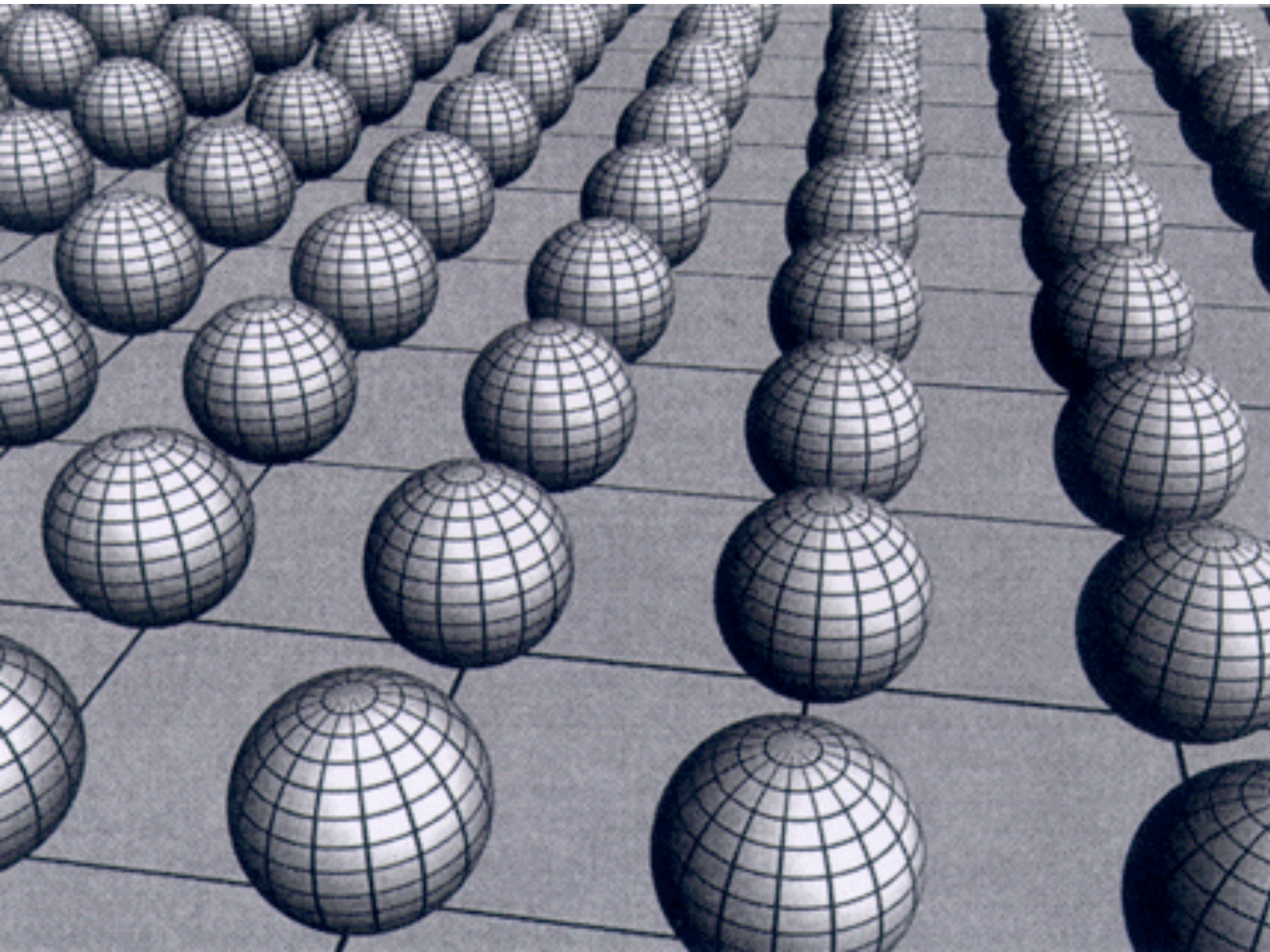
or something else?

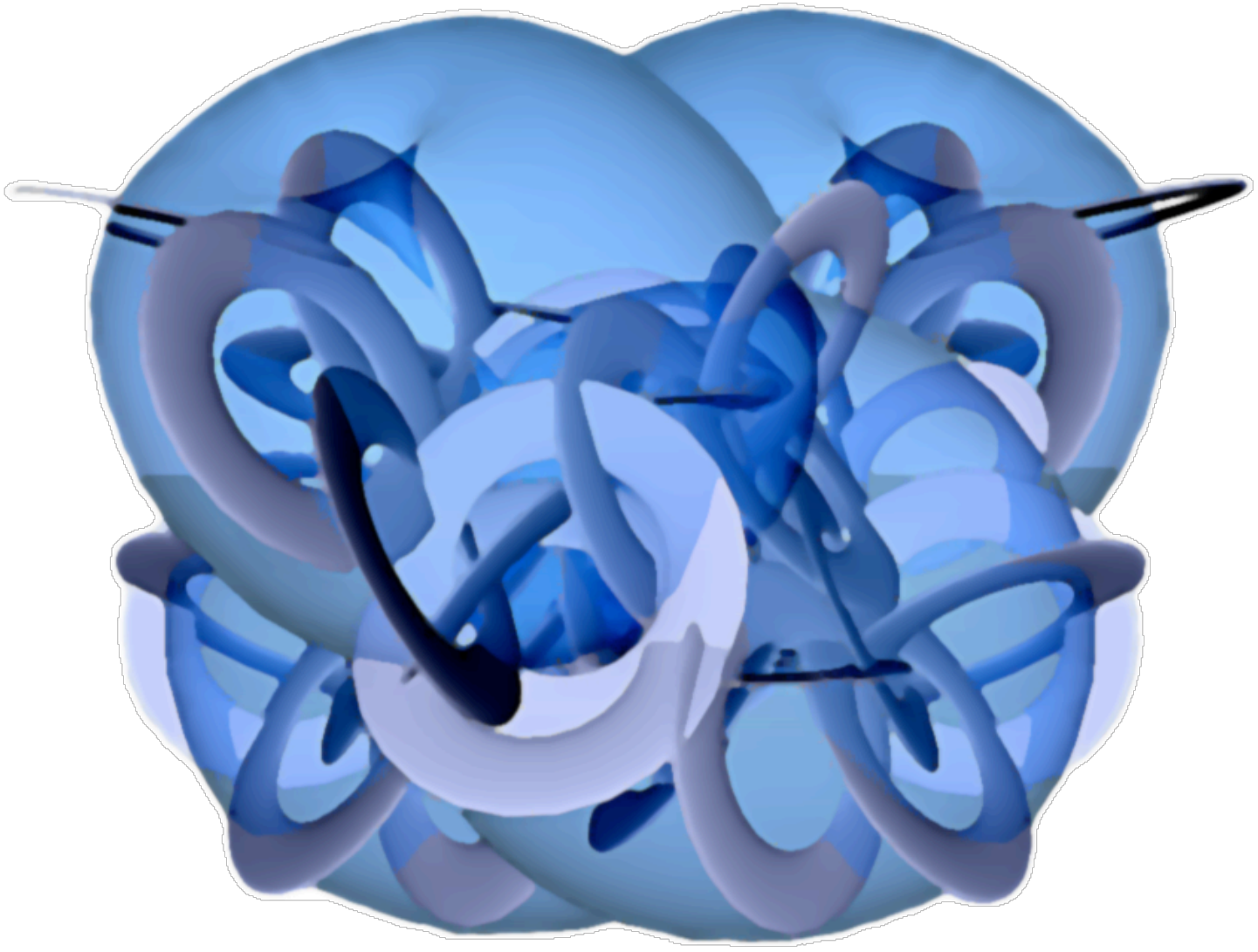
The DNA of the

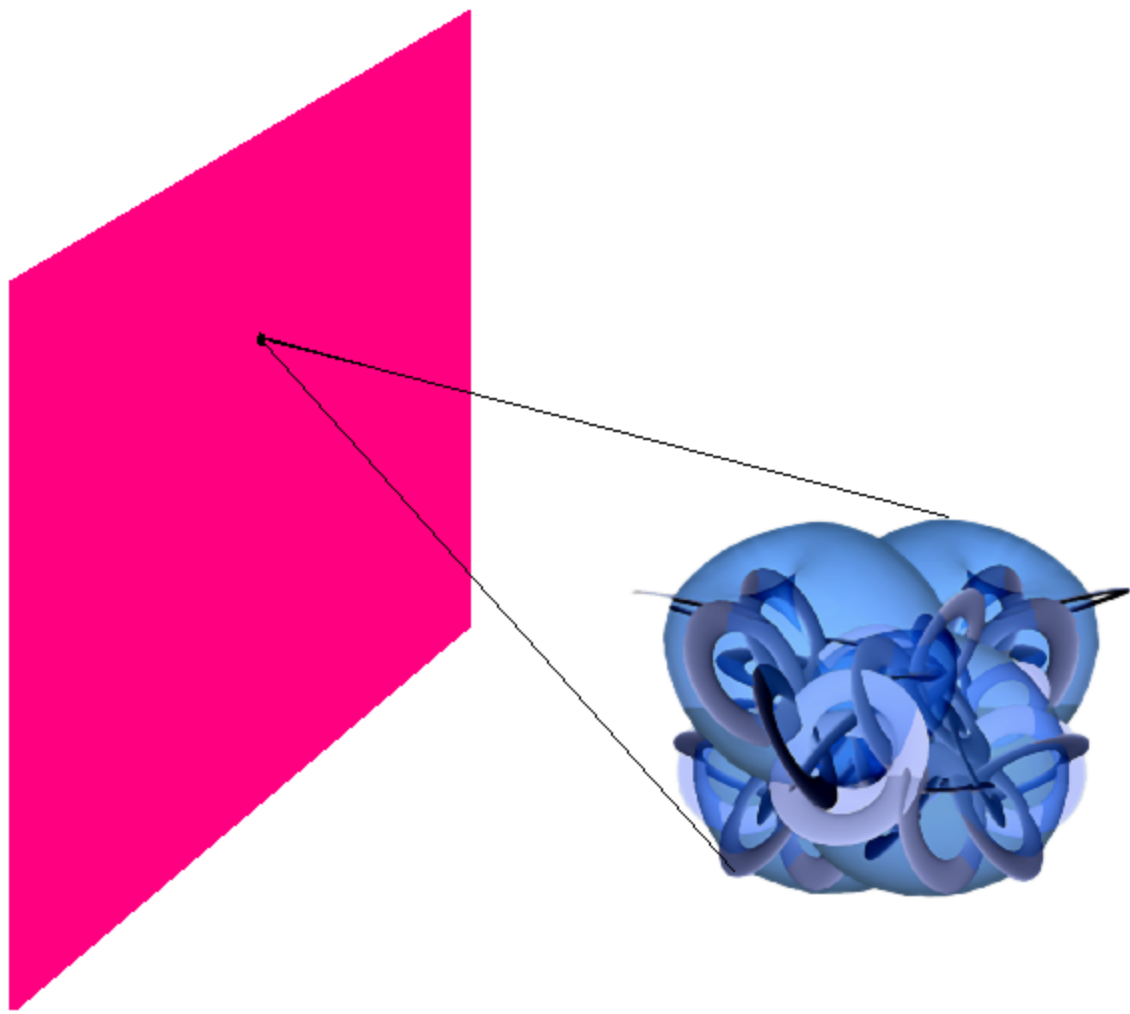
Universe

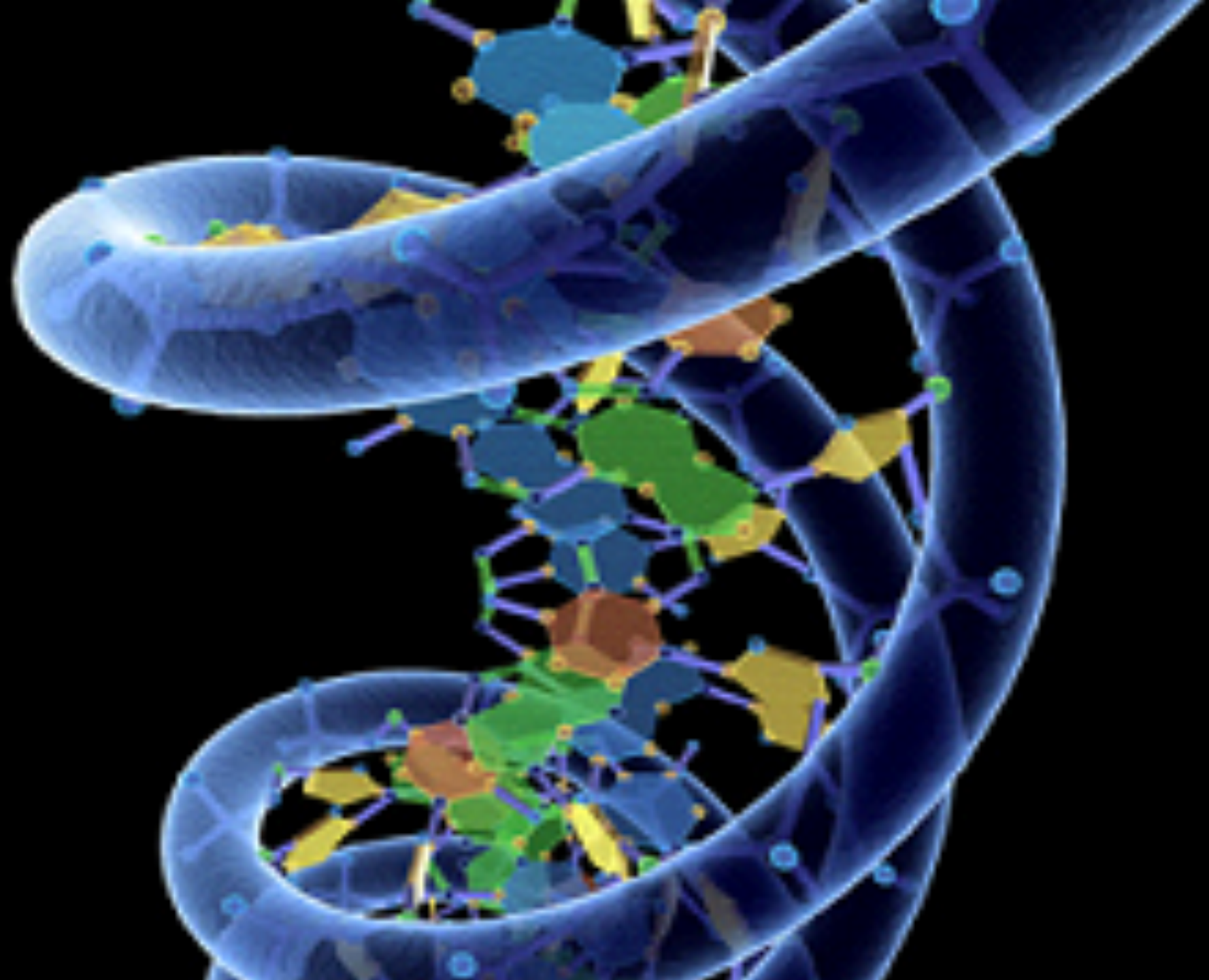
String Theory

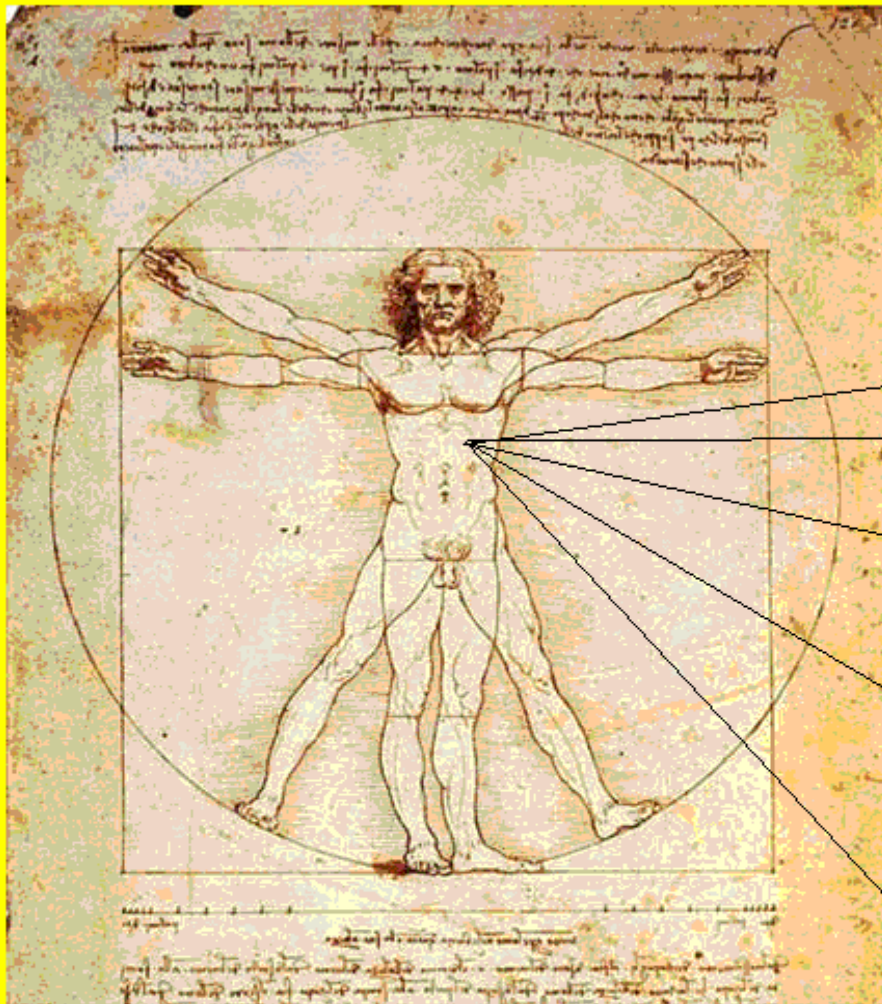


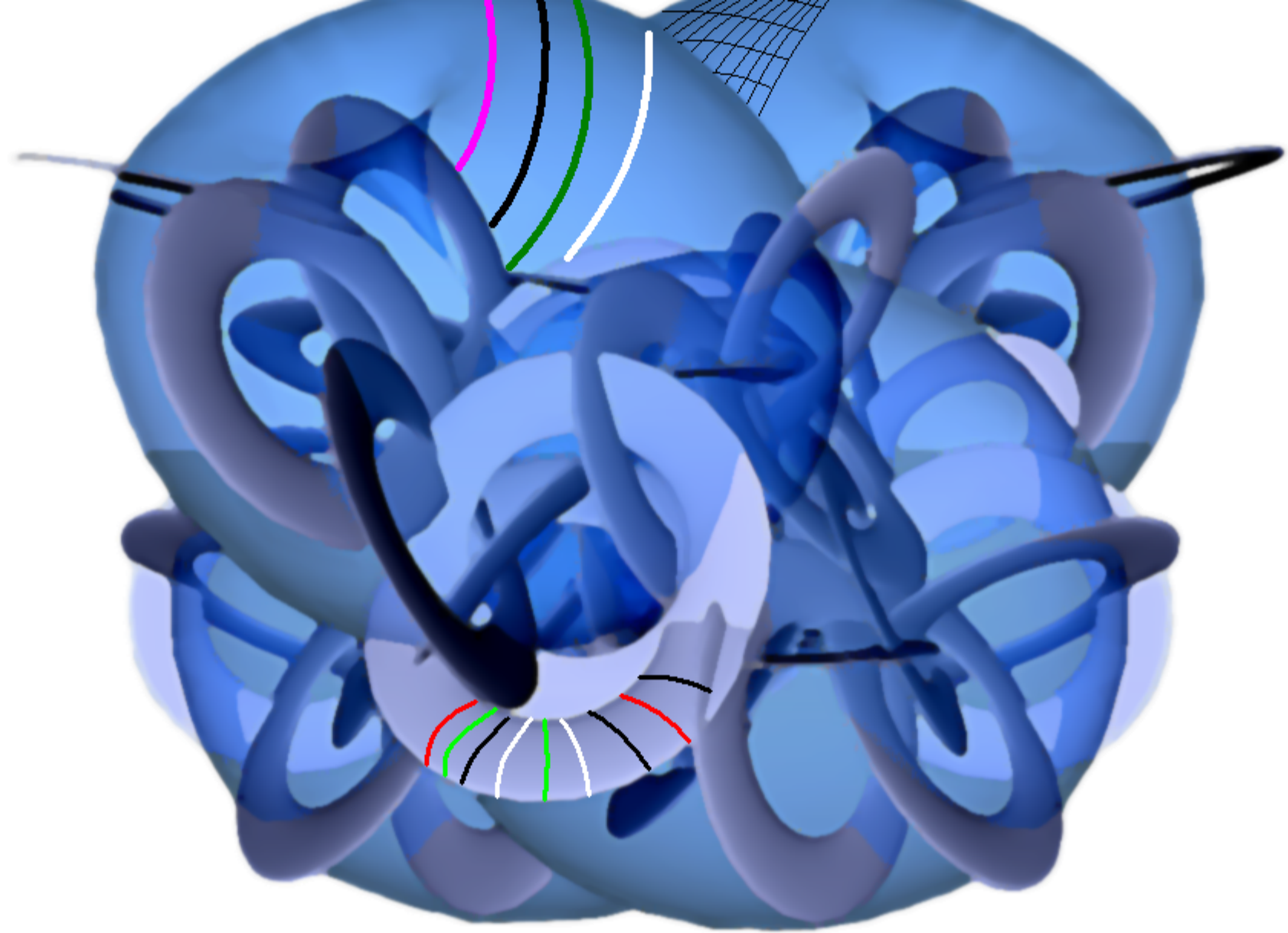












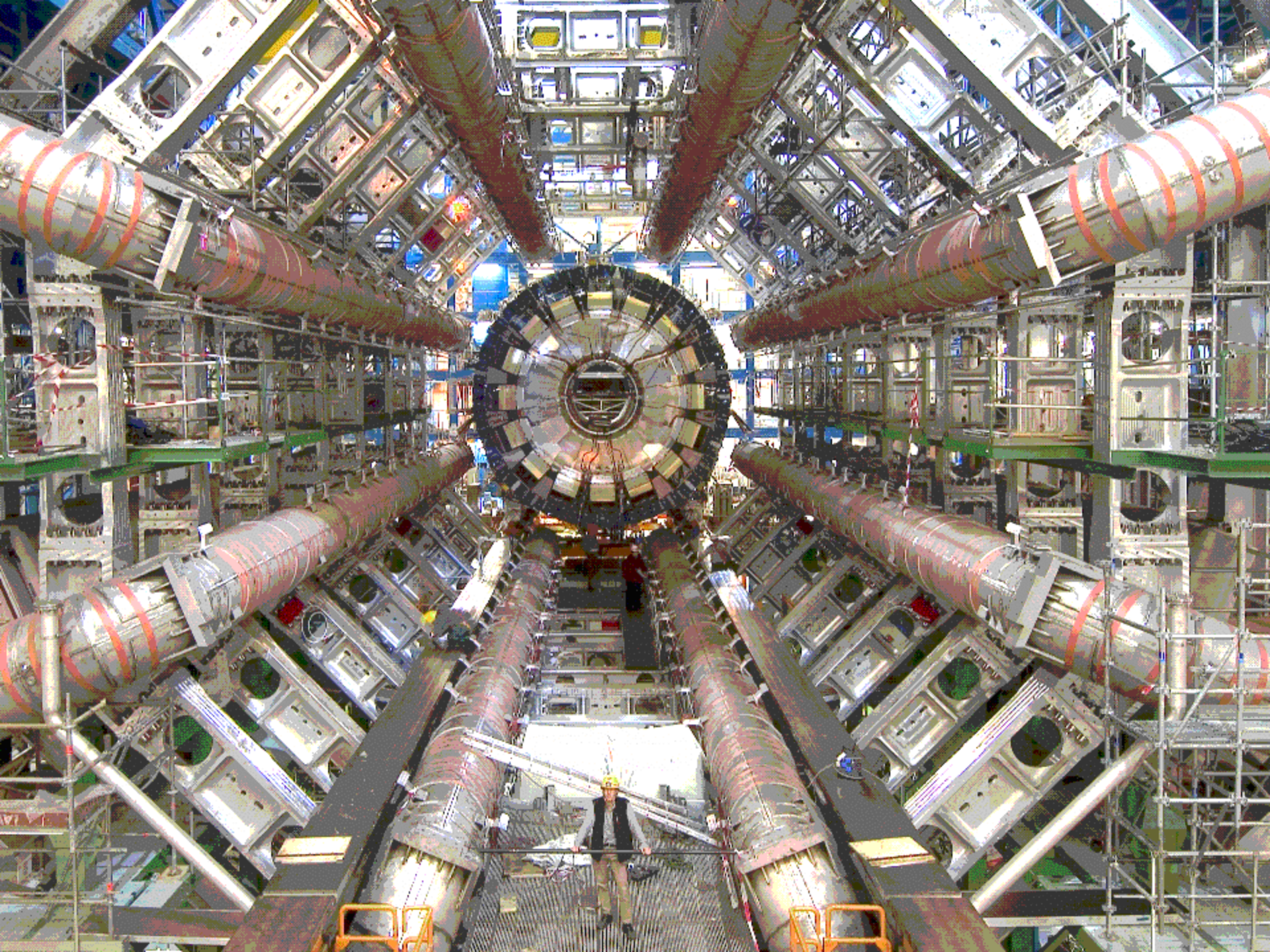
Number of ways of arranging a DNA molecule

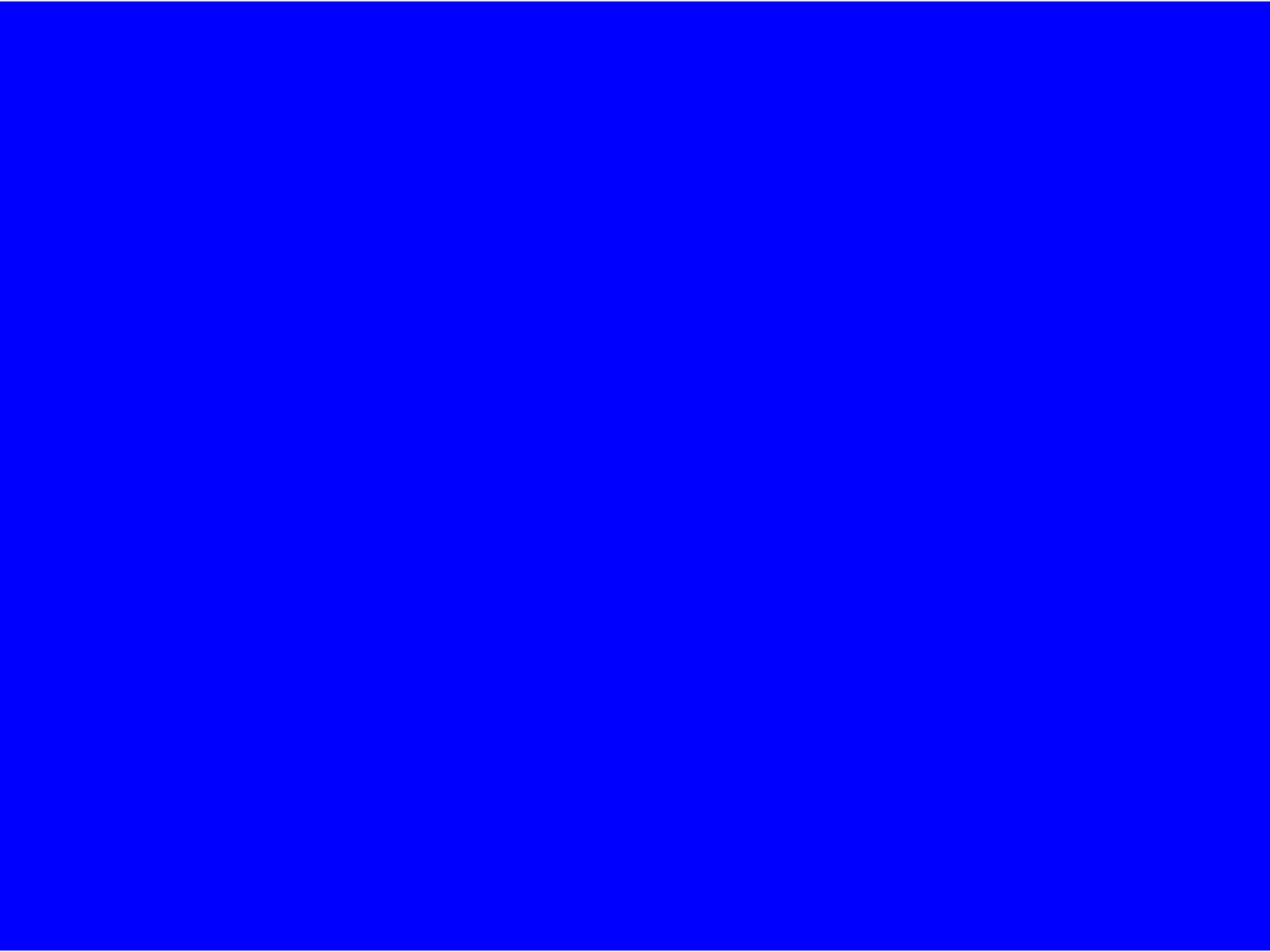
$$= 10^{1,000,000}$$



Number of ways of arranging a CY manifold

at least $10^{1,000}$





1

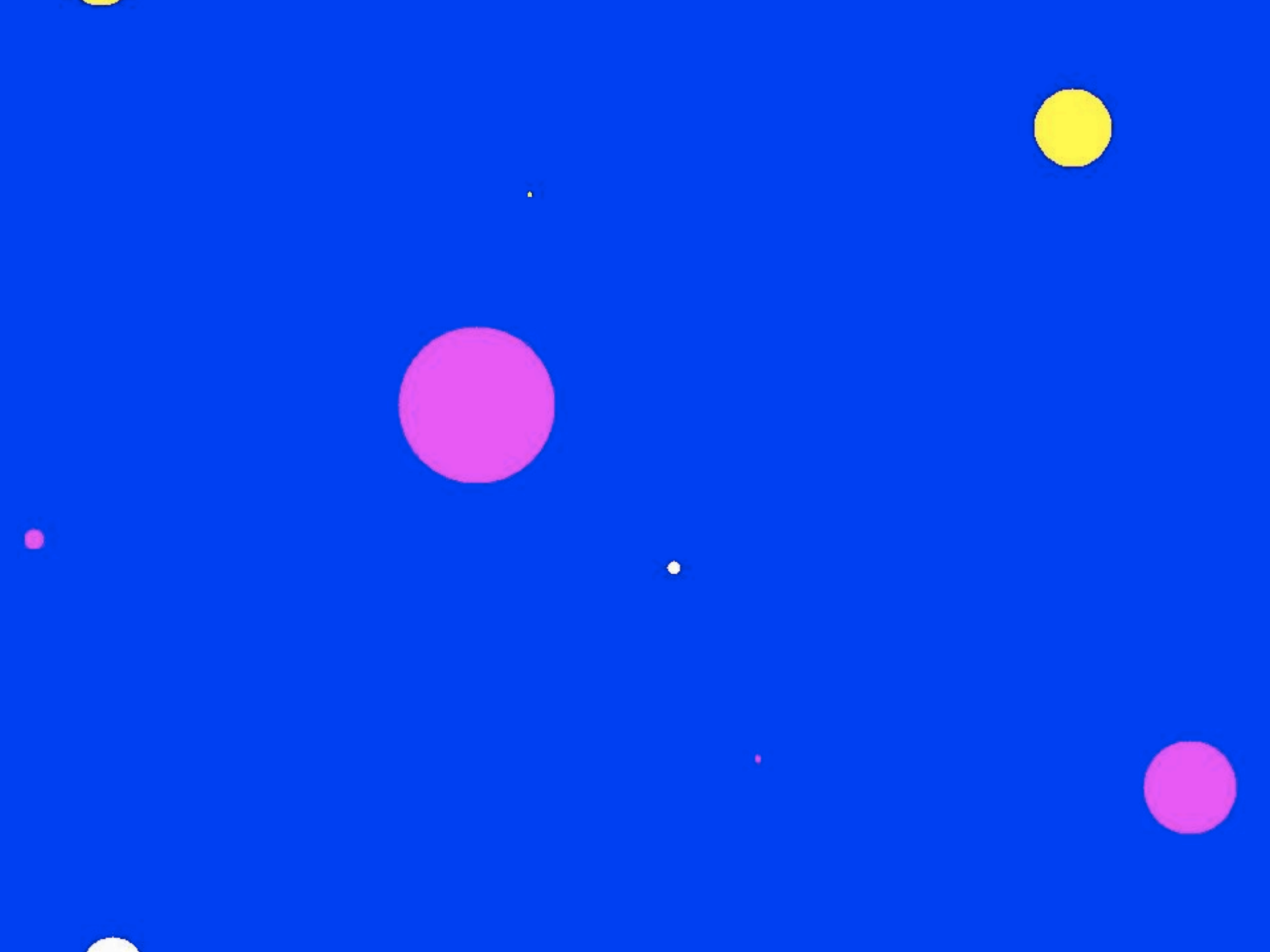
2

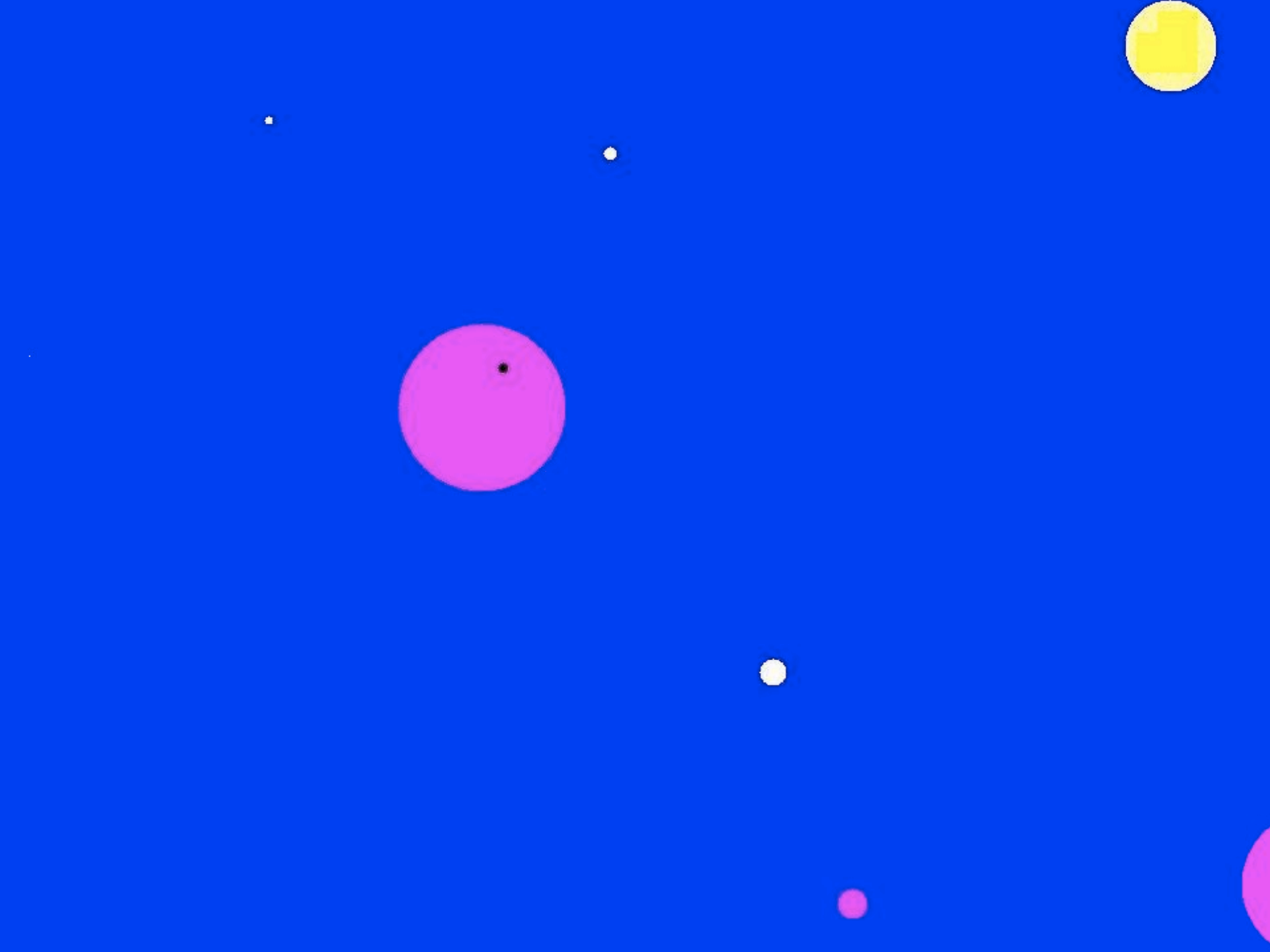
3

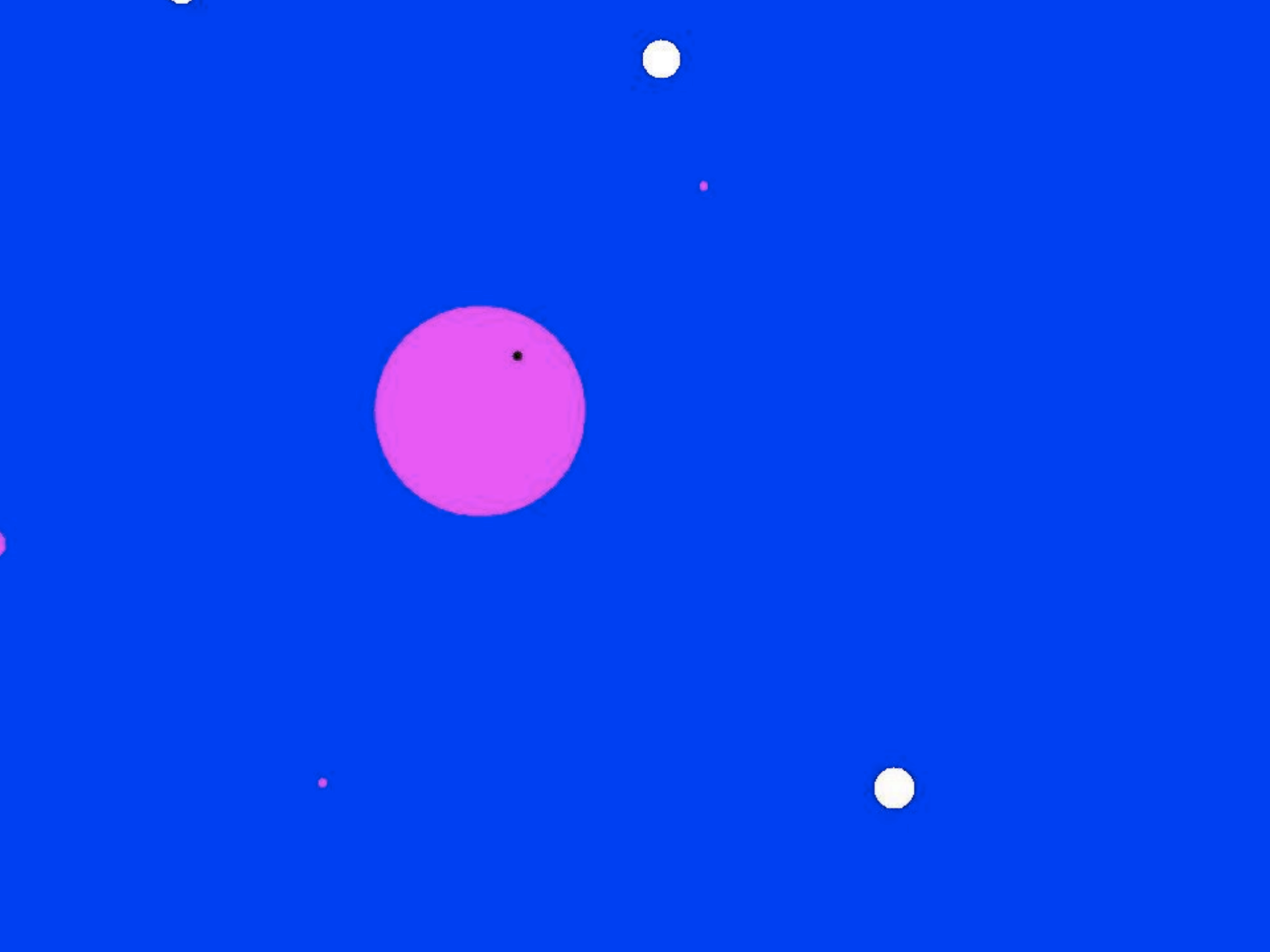
4

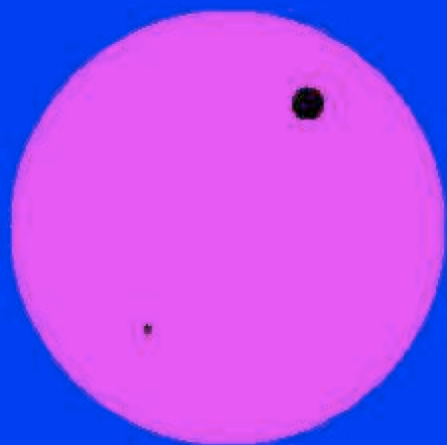
5

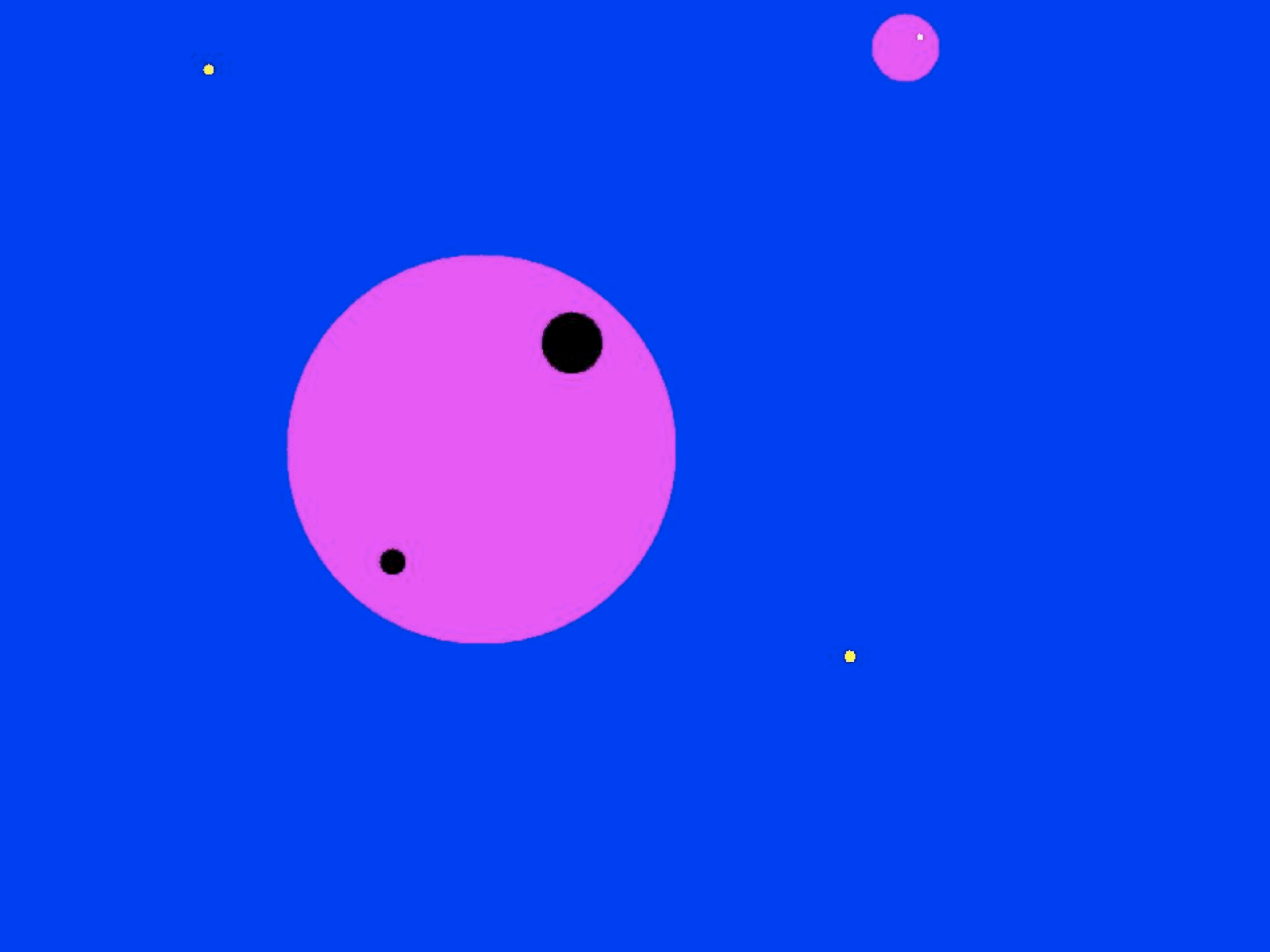


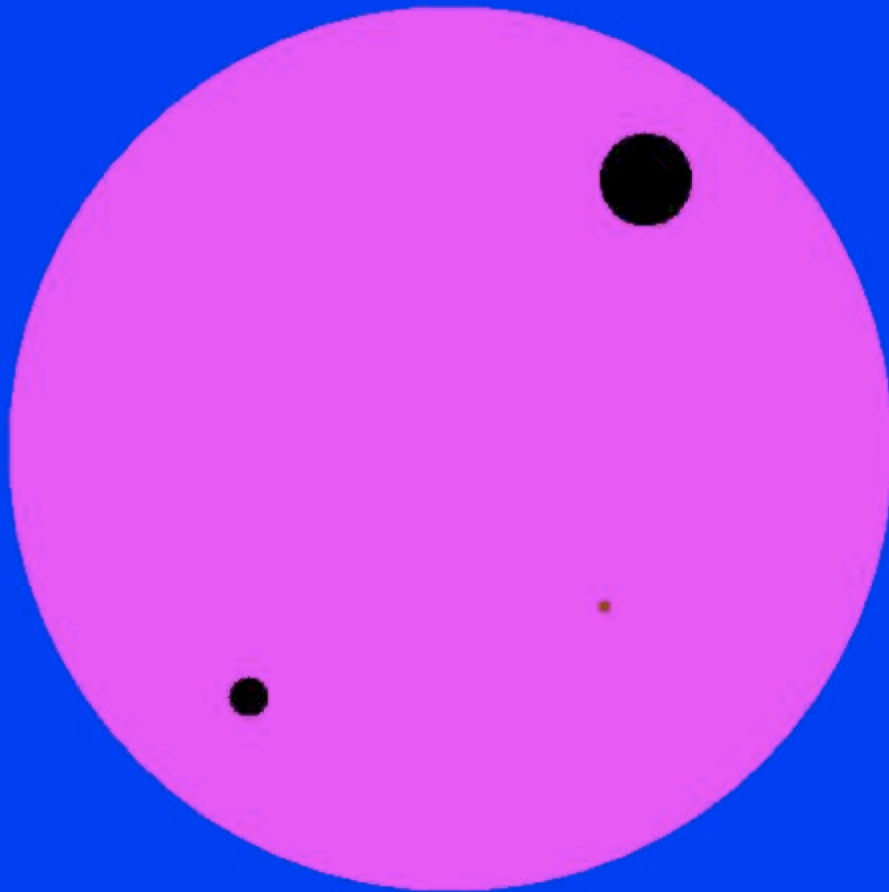


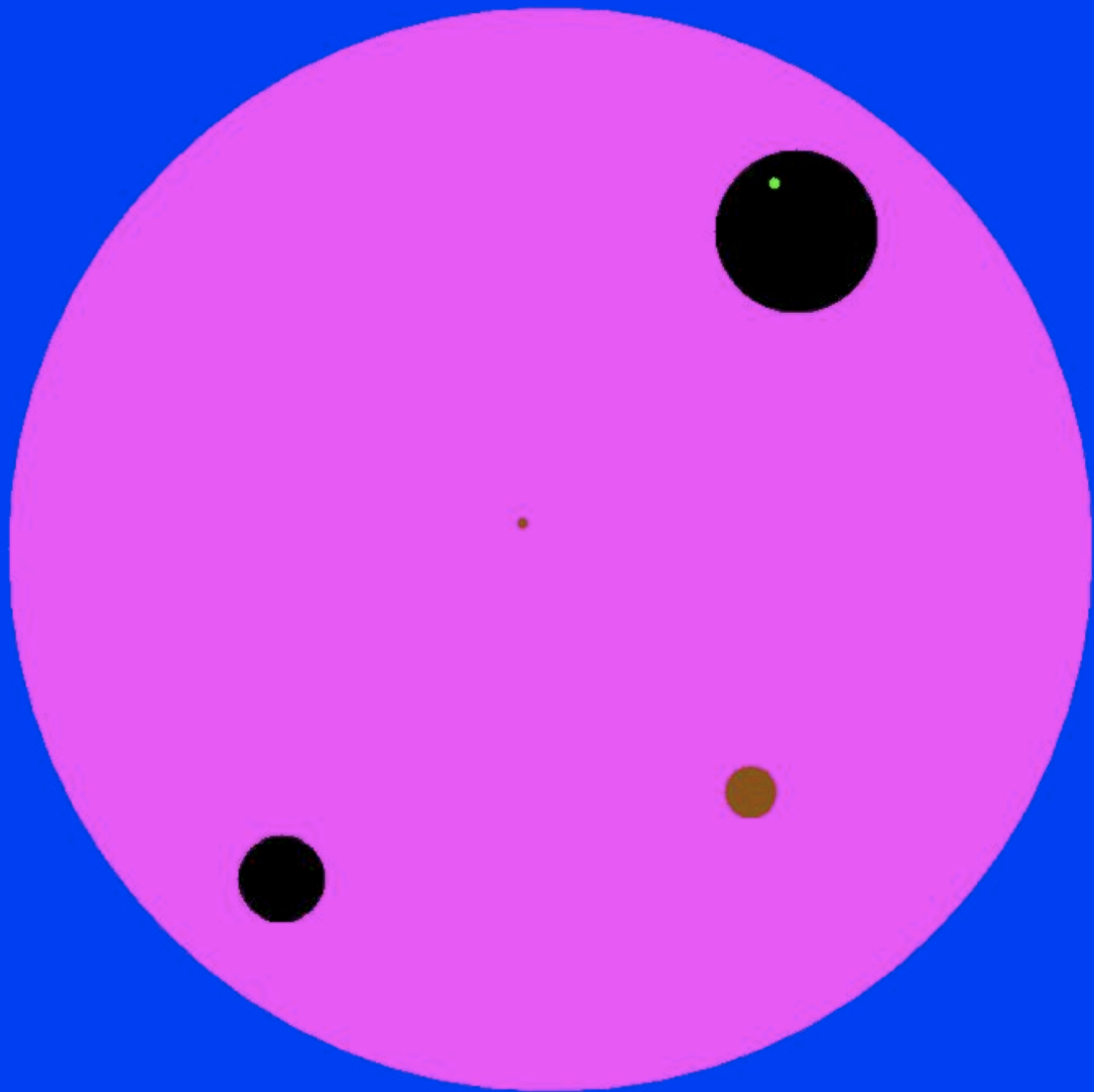


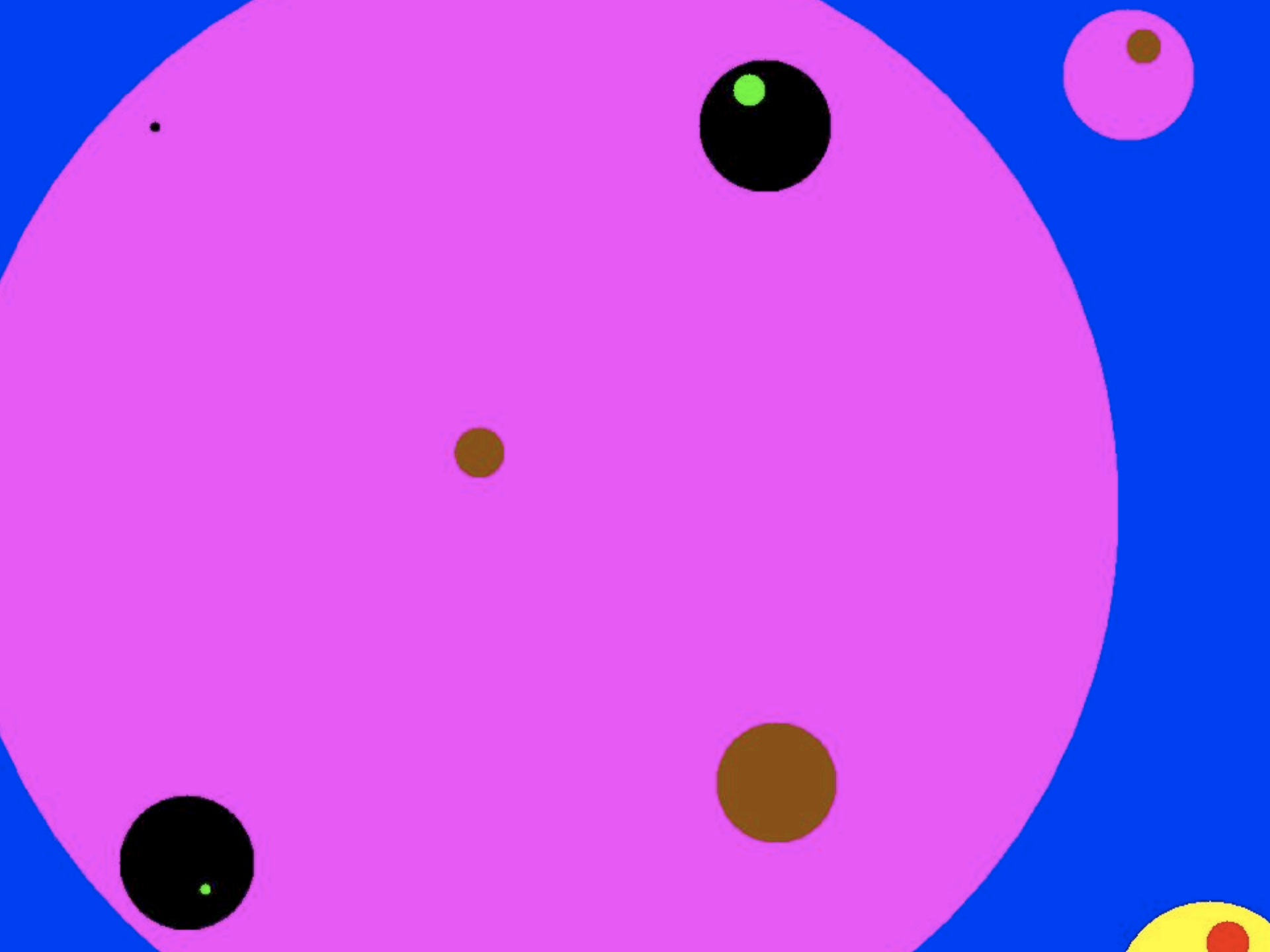












You are here

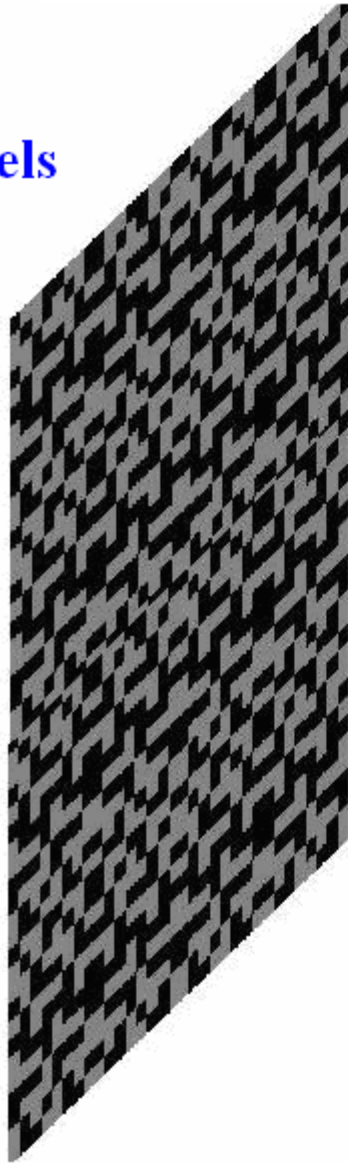


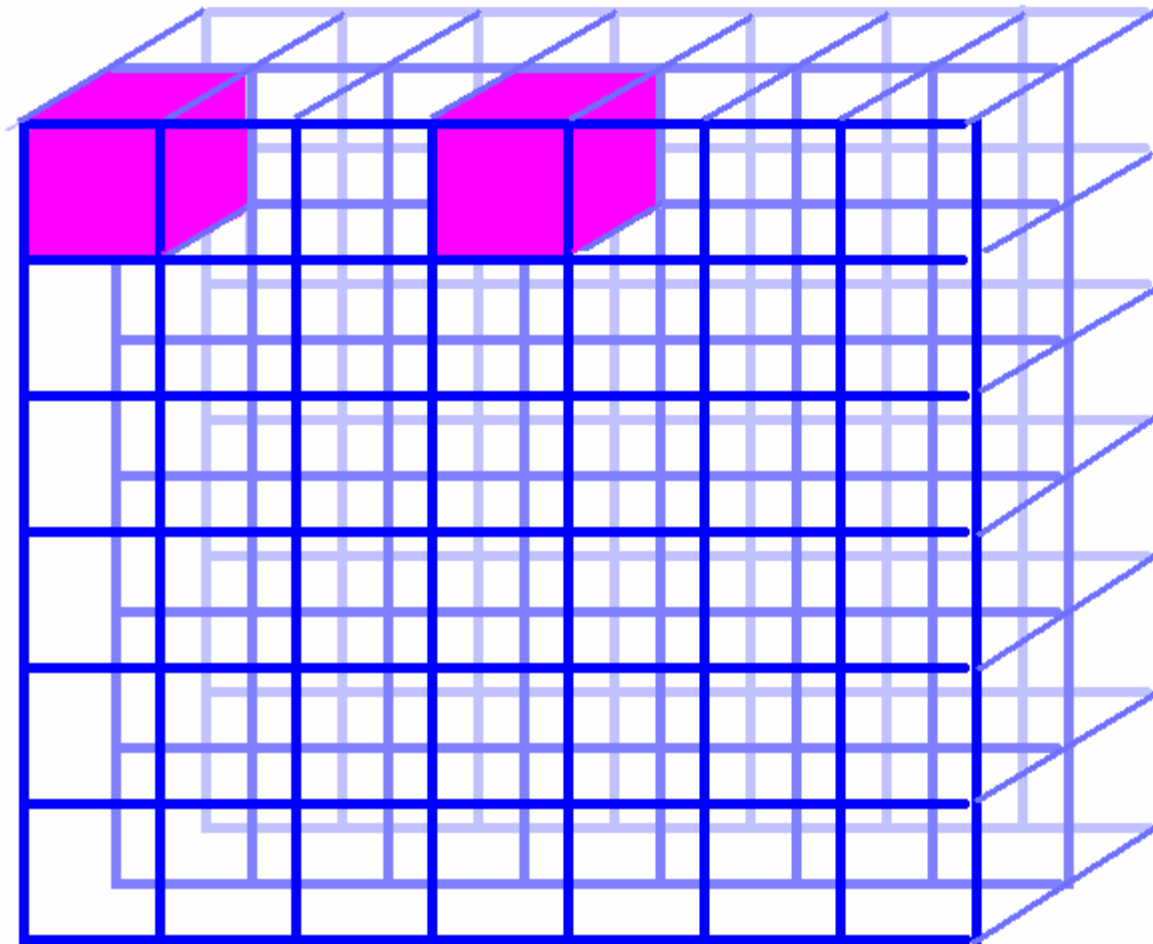
The World as a Hologram





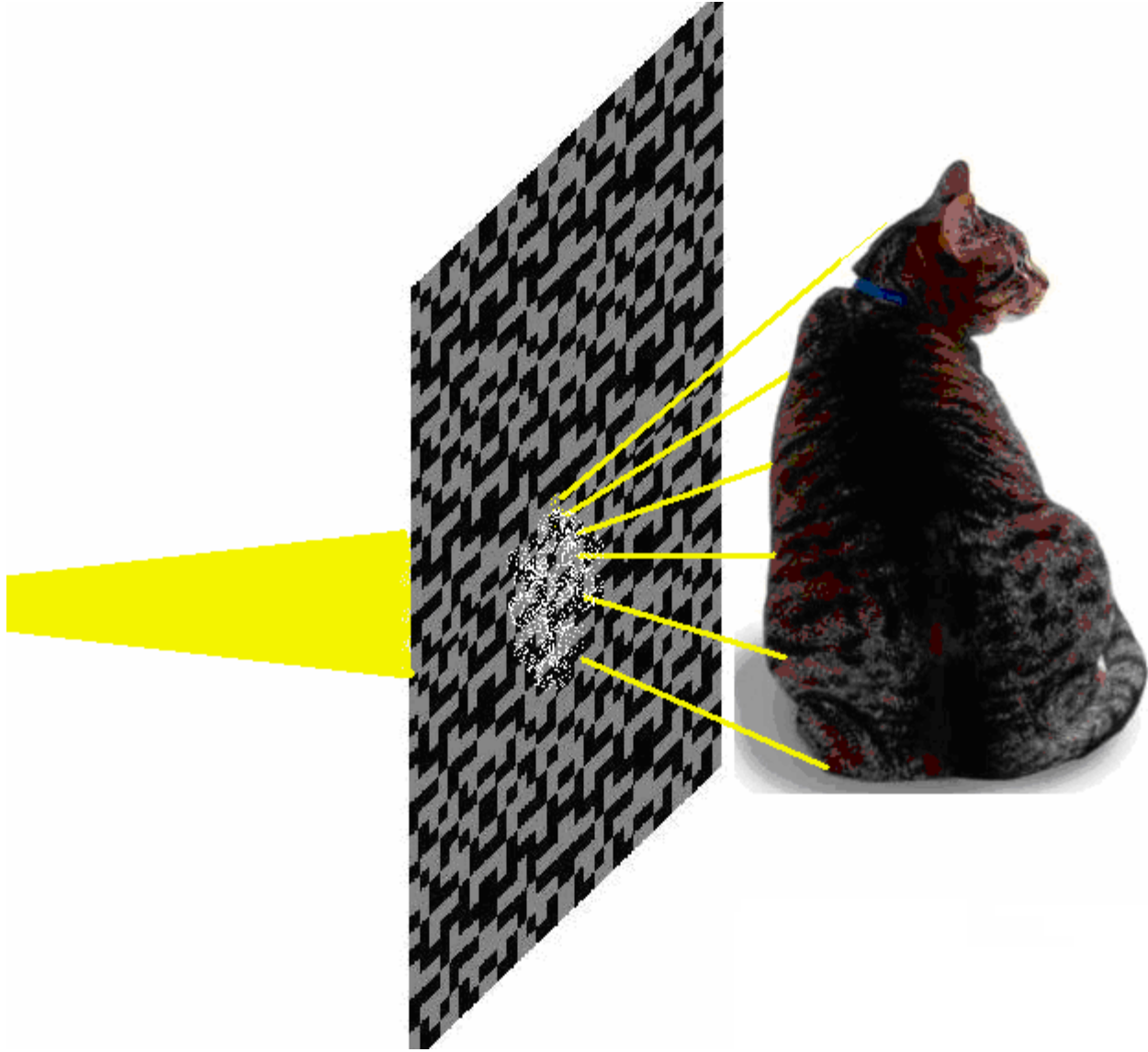
Pixels

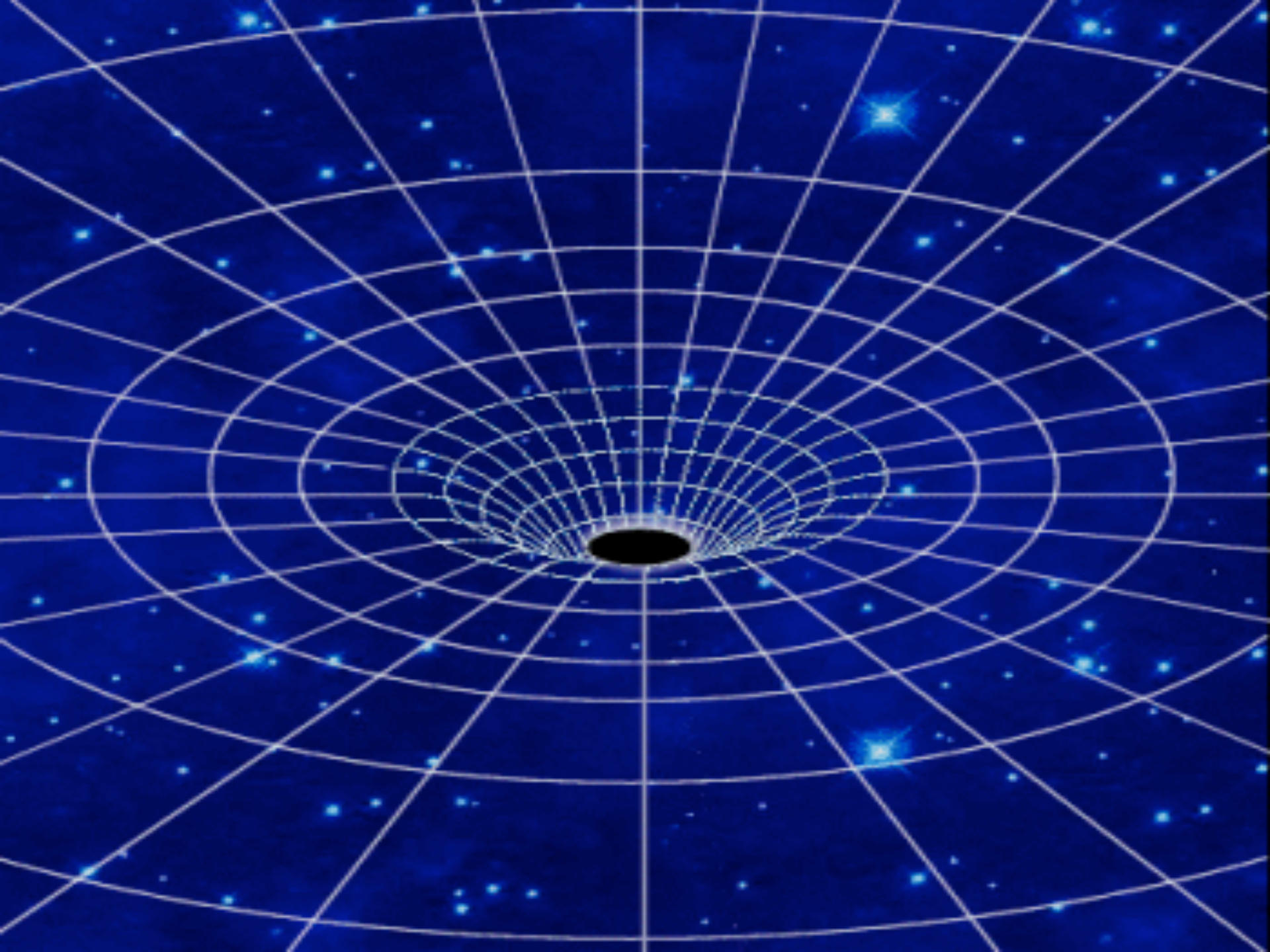


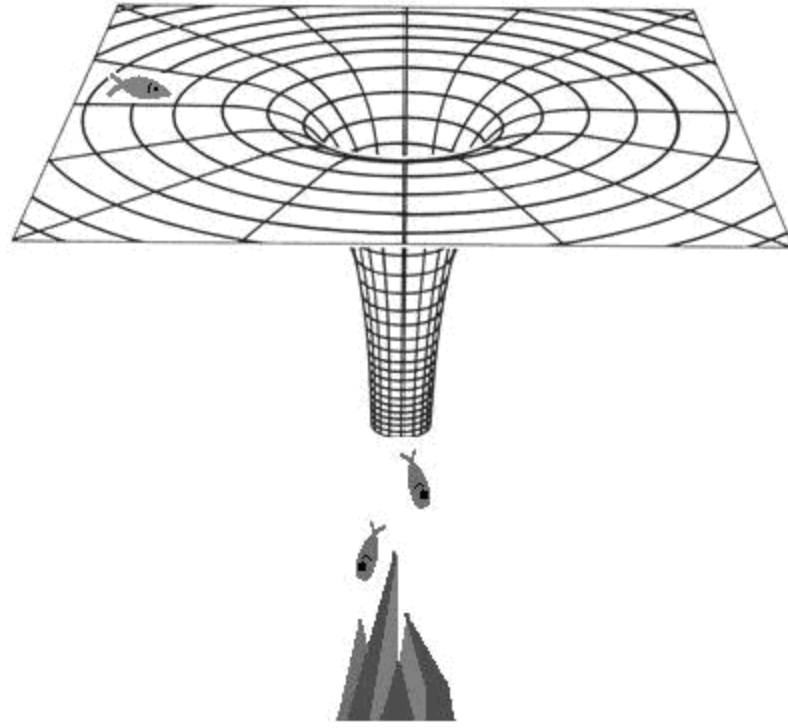


Voxels

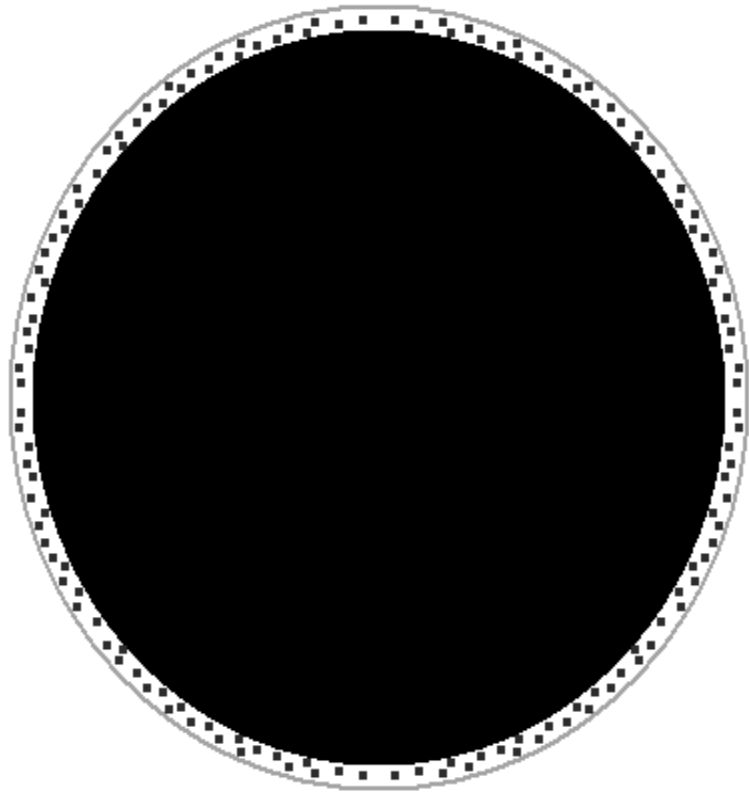


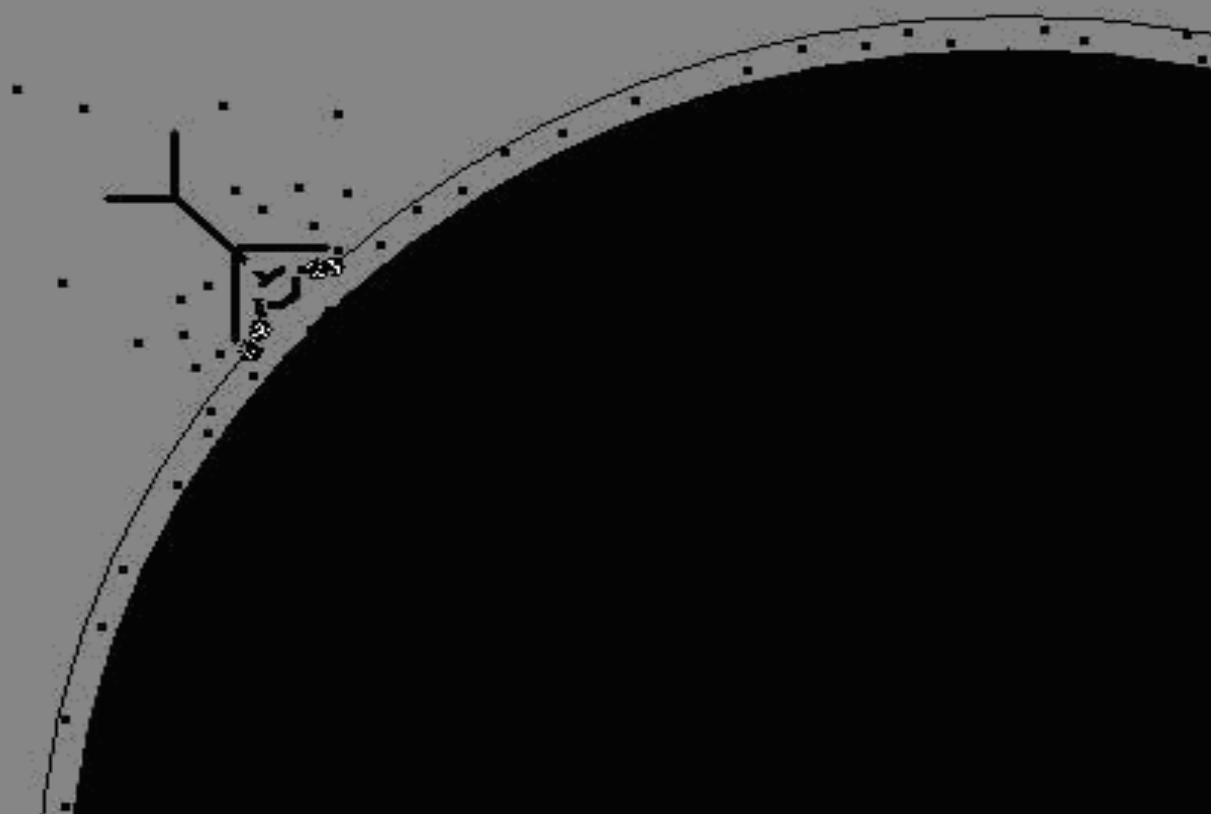
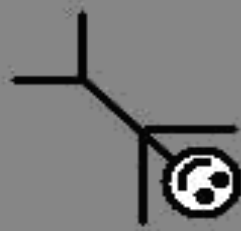
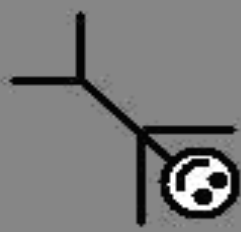


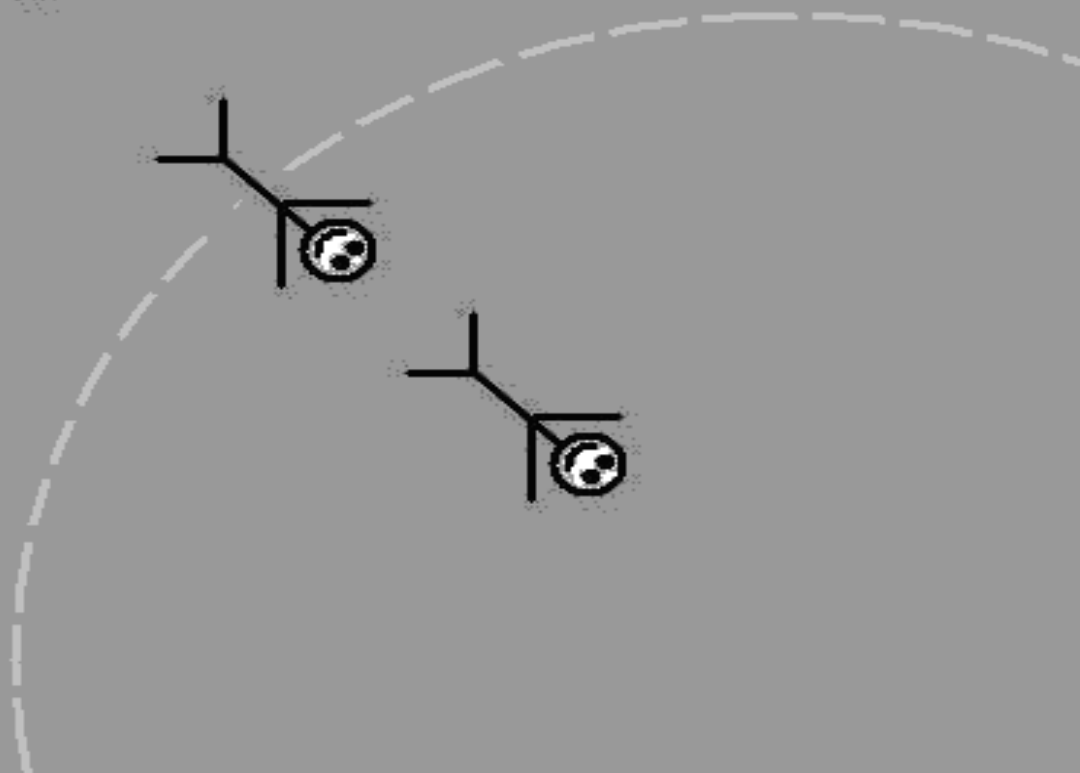
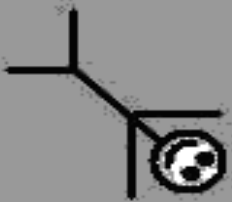
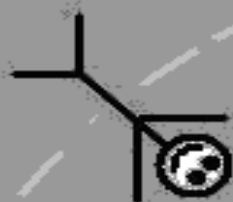




- Maximum number of bits in a black hole is the area (not the volume) of the horizon.
- Bekenstein
- Hawking

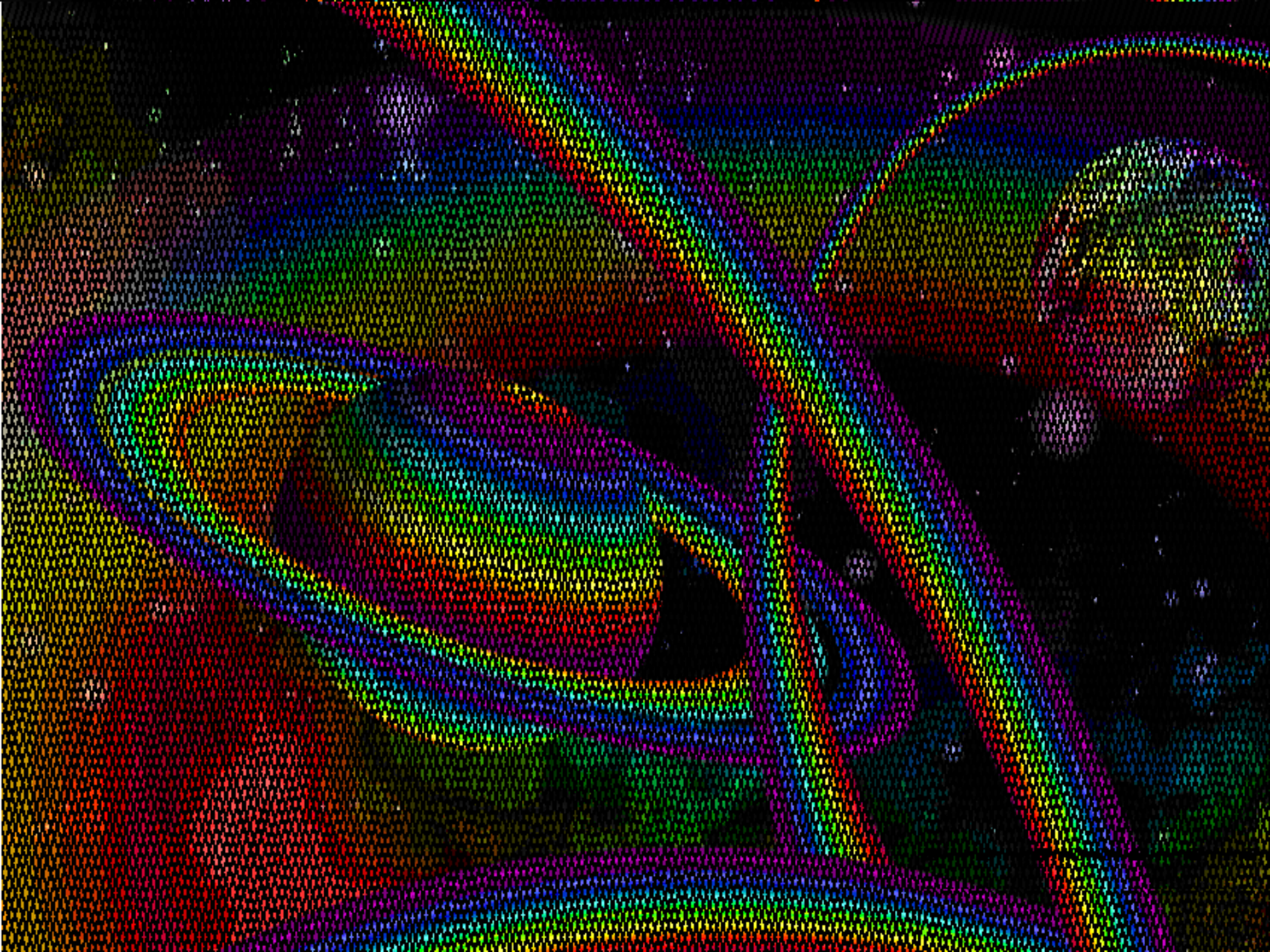


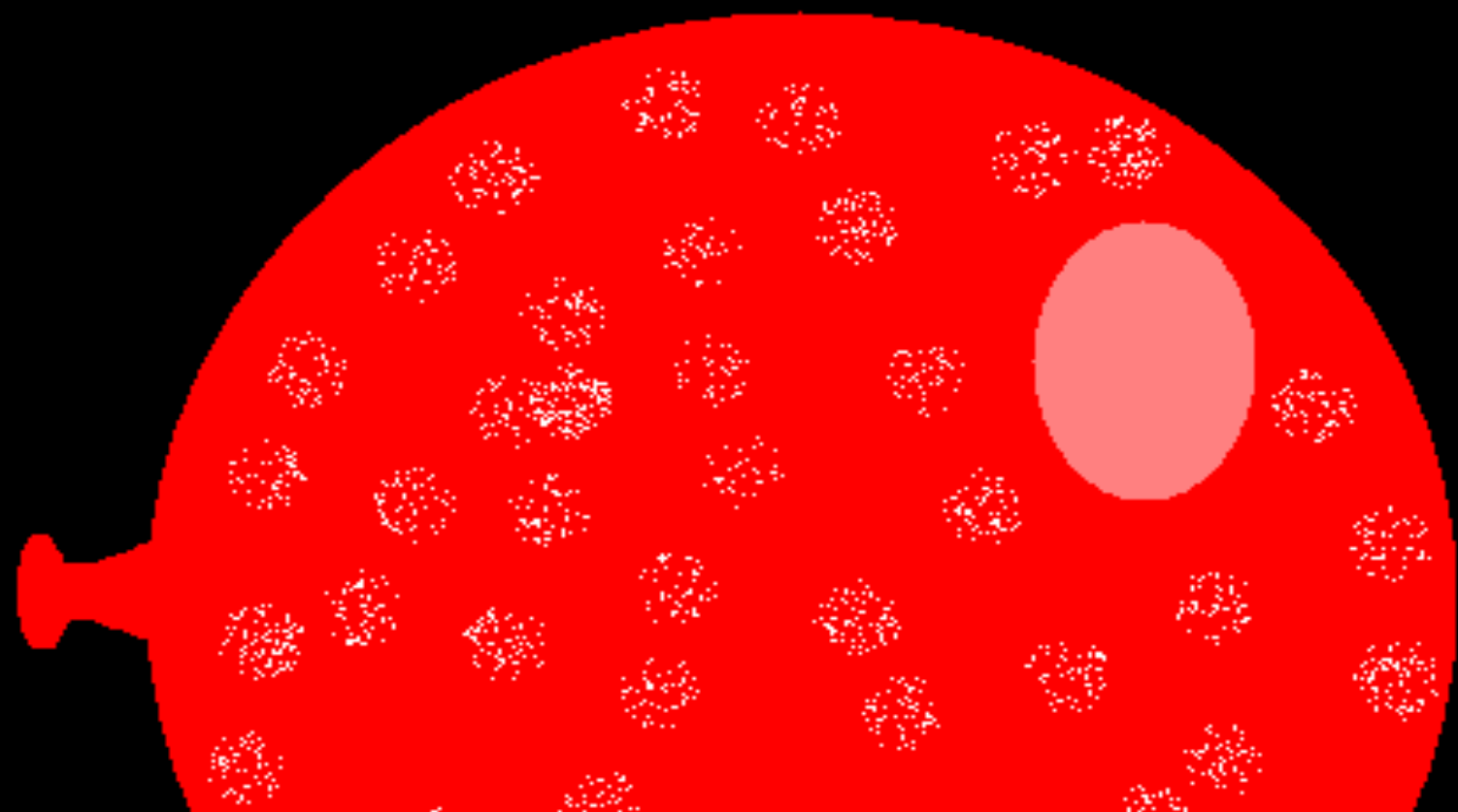


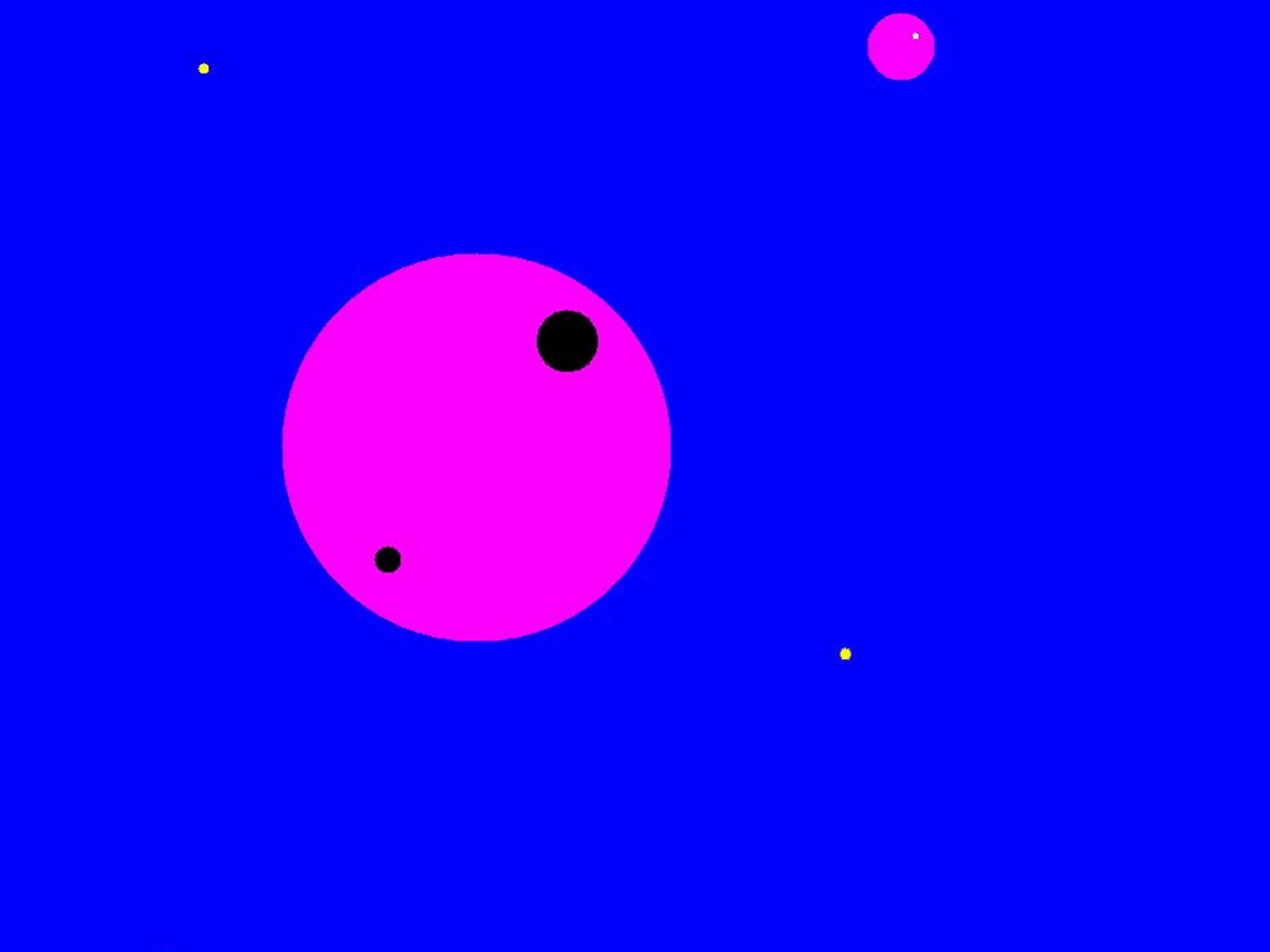


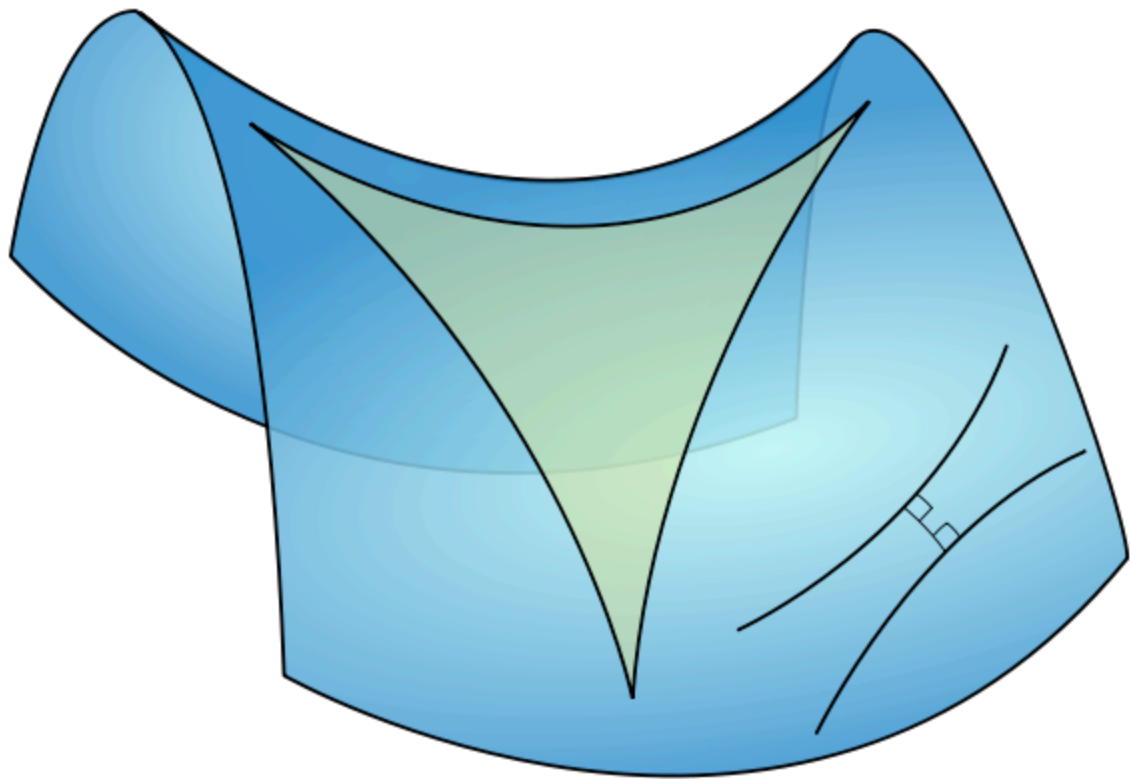
Both are true!

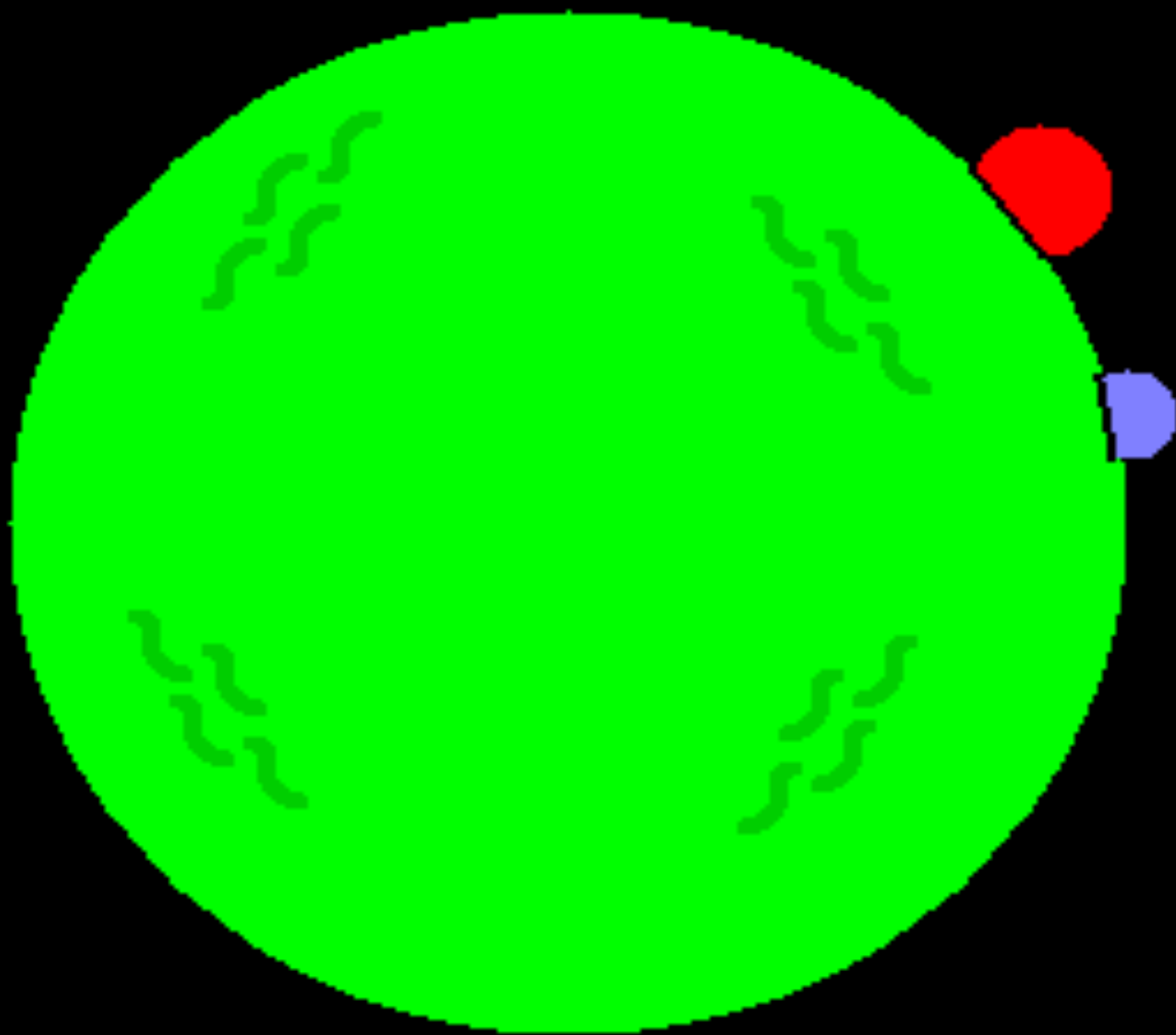




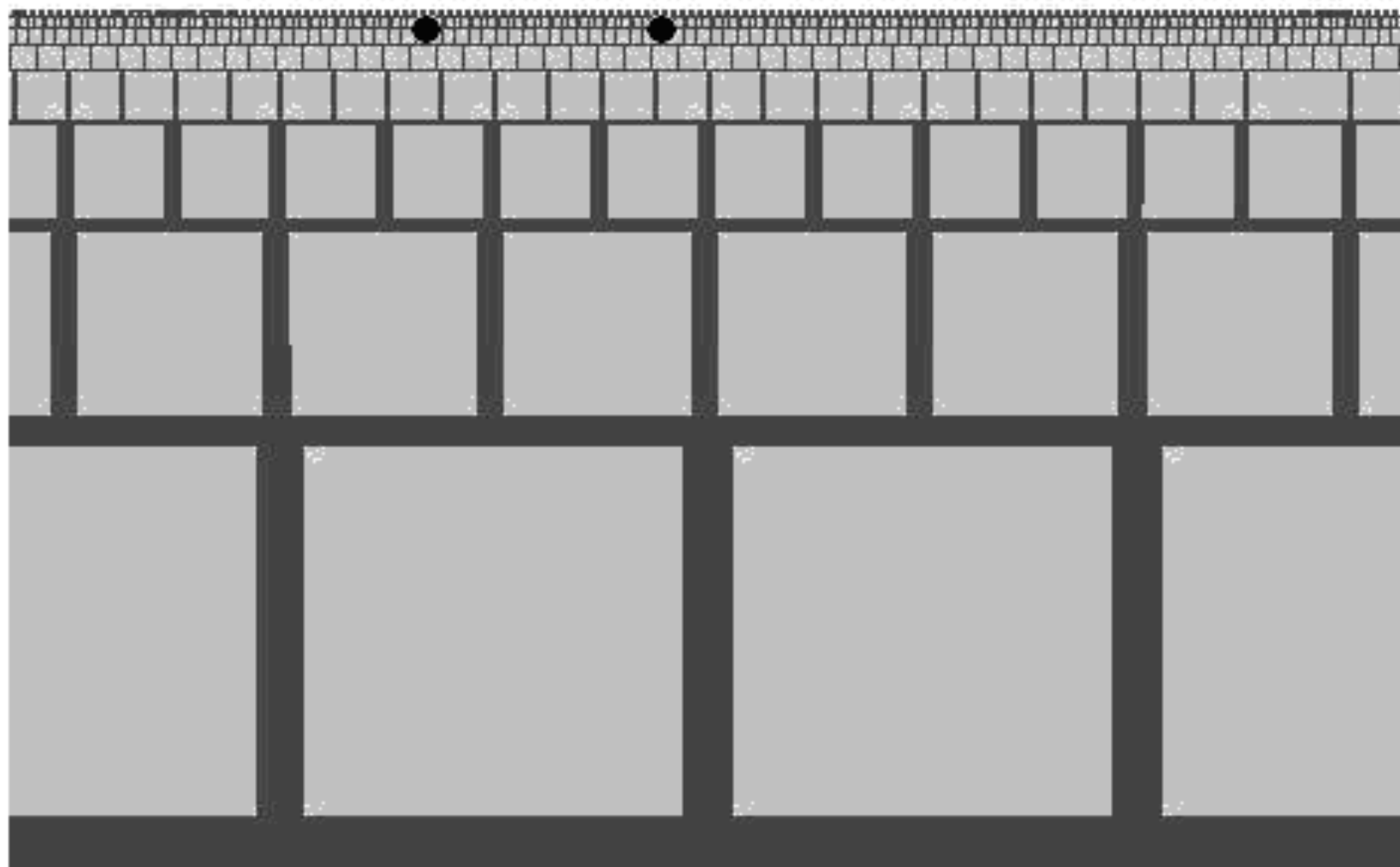




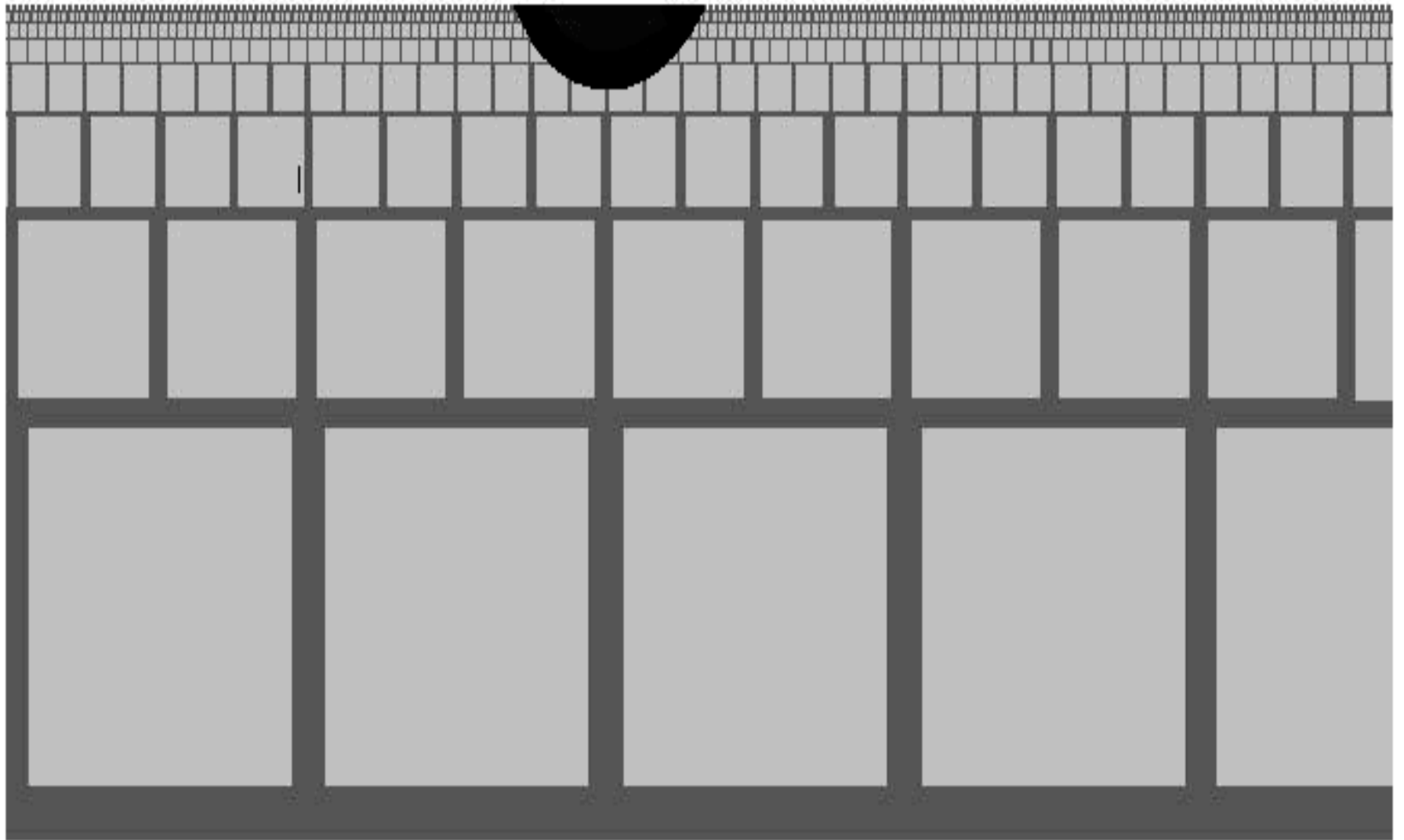




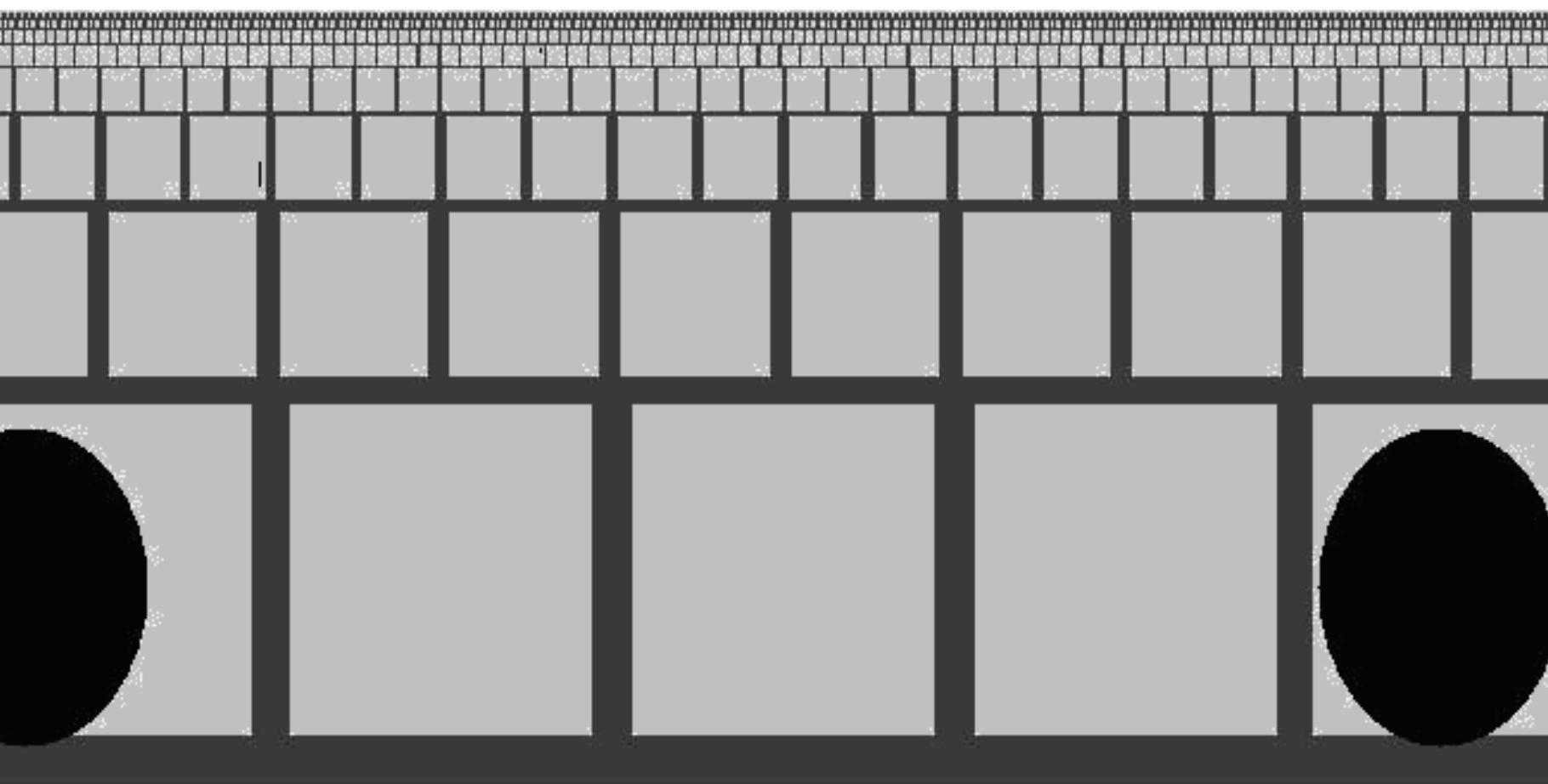
Two particles about to collide near the UV-brane



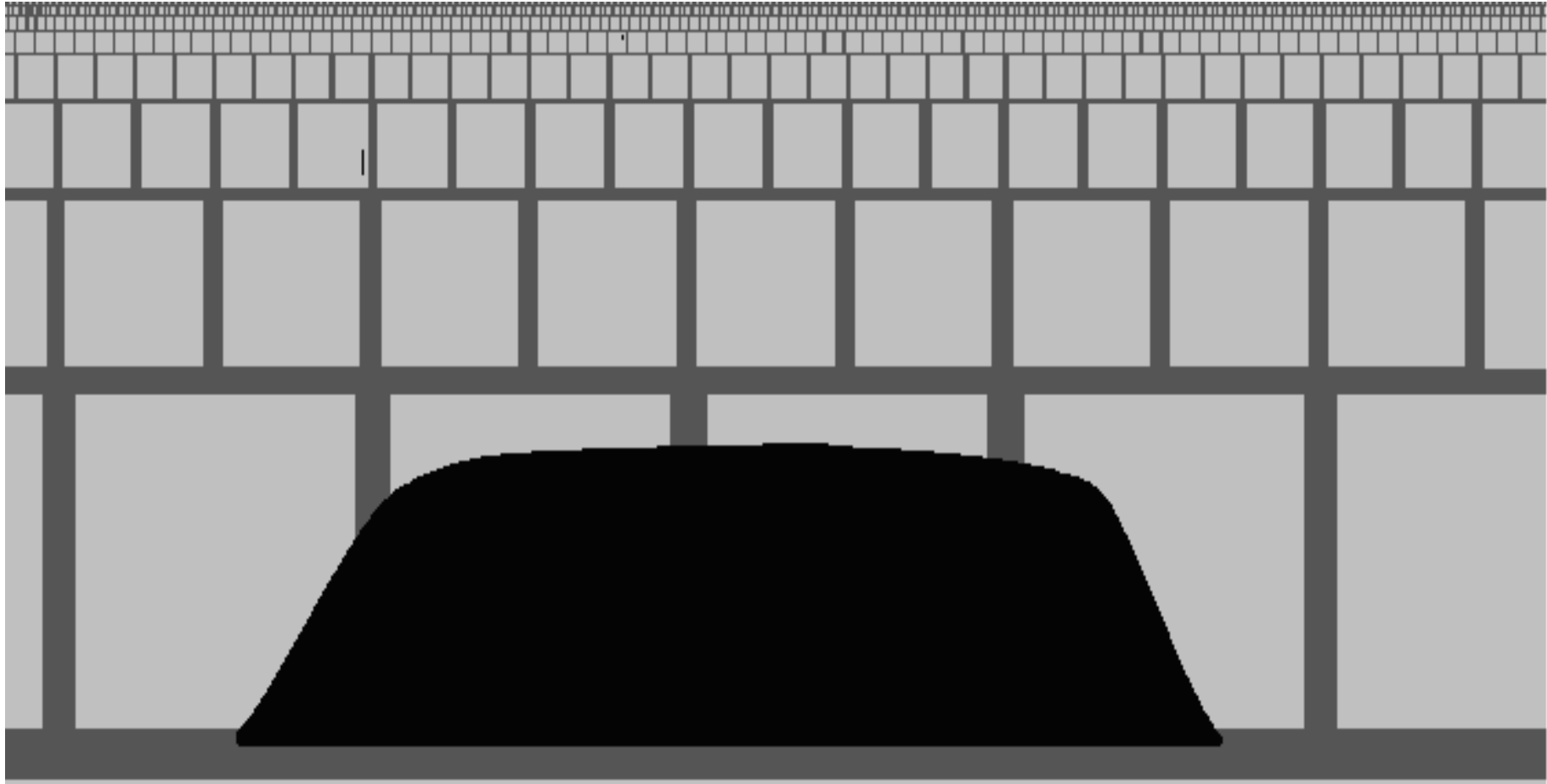
UV

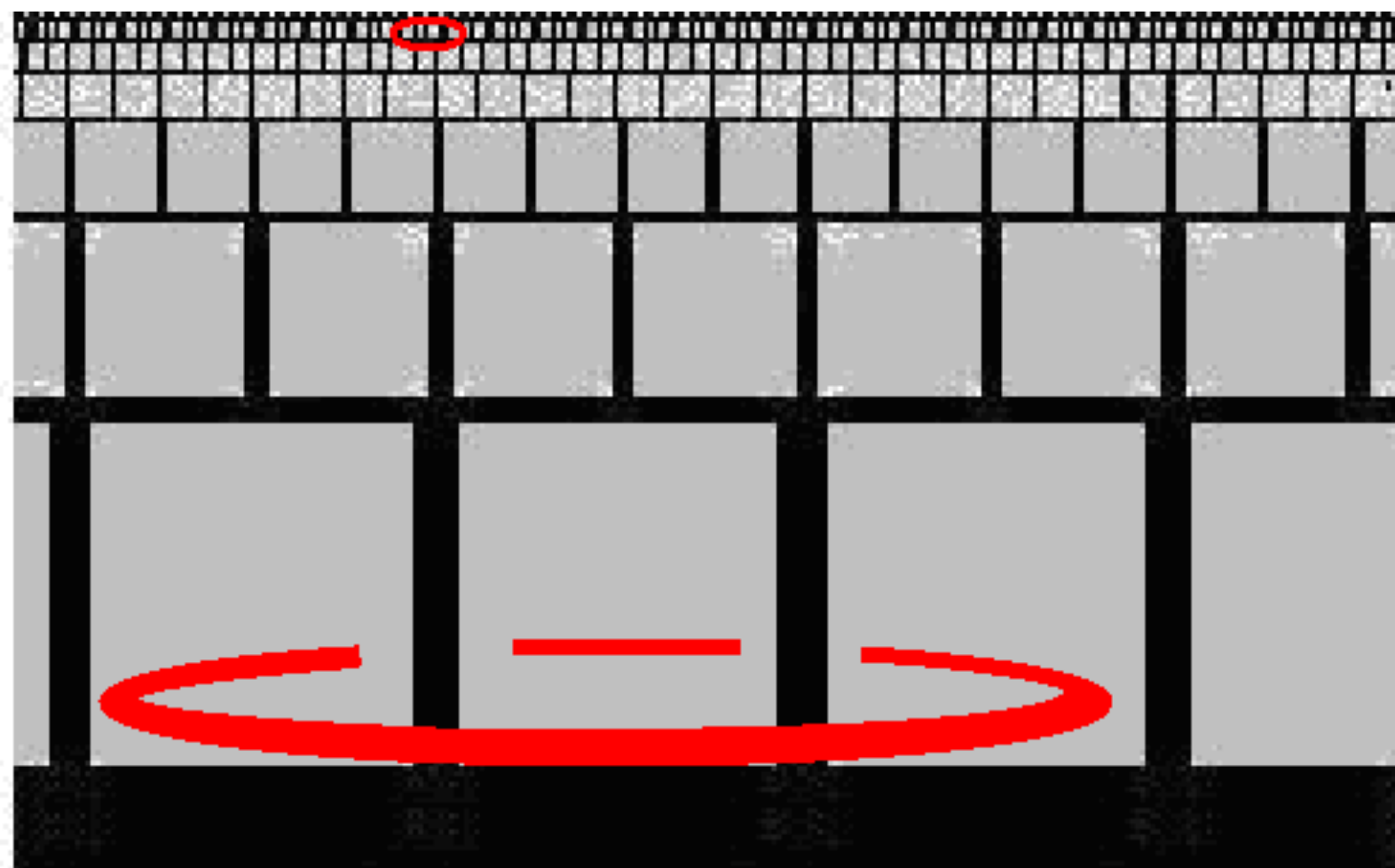


IR



QCD space with two nuclei about to collide





IR brane

