

Illusions of mind

from perception to biology, from normality to pathology

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Thanks to:

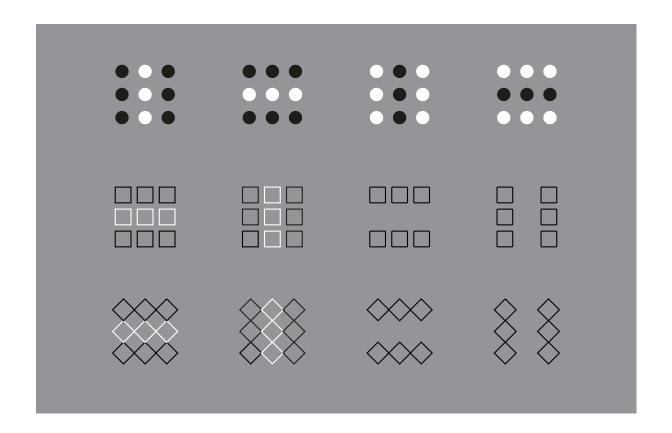
Prof. *Agrita Kiopa* Vice Rector for Science, RSU

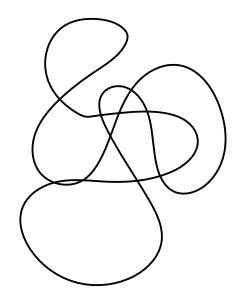
Definitions

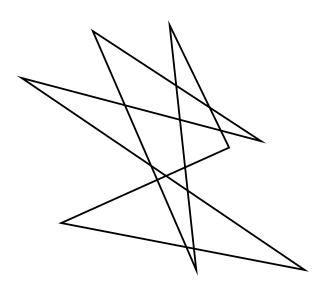
- A science of illusions starts from a perceived "mismatch/disagreement" between the geometrical/ physical and the phenomenal domains.
- illusions are: "misperceptions", "deviations" or "errors" in the perception of physical-geometrical attributes

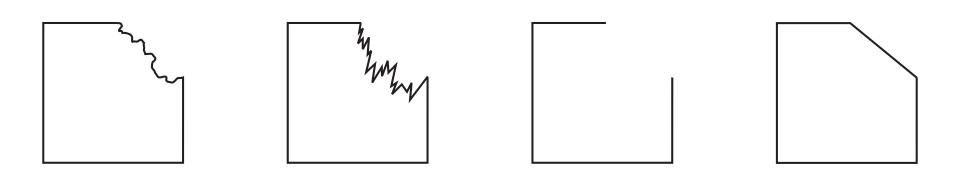
The truth of illusion

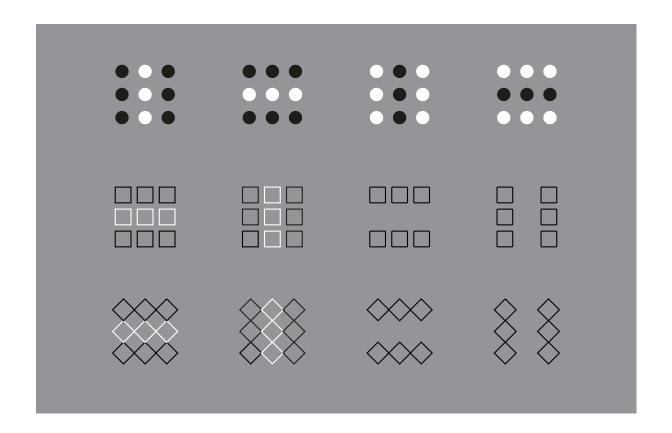
What is illusory?

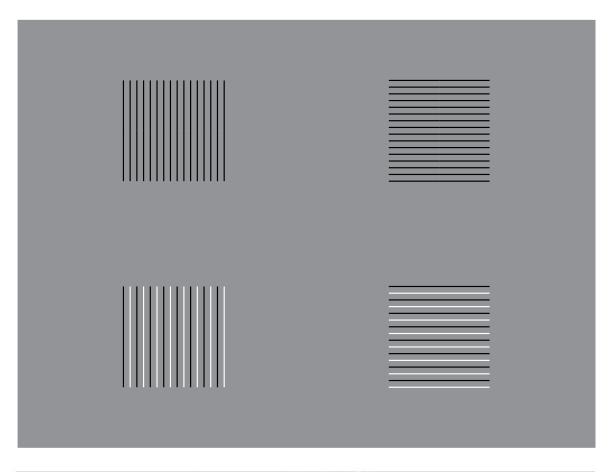


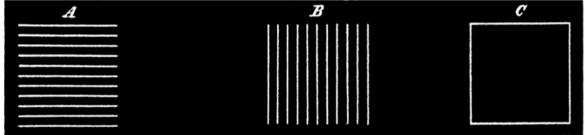


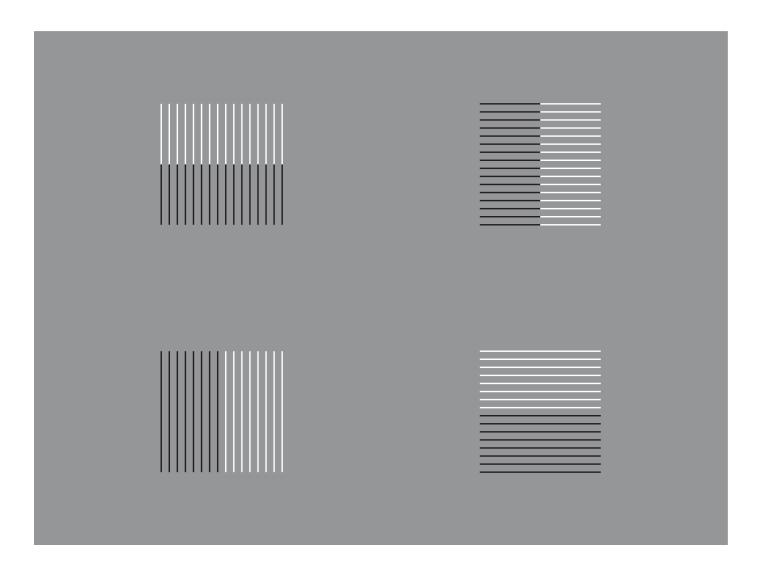


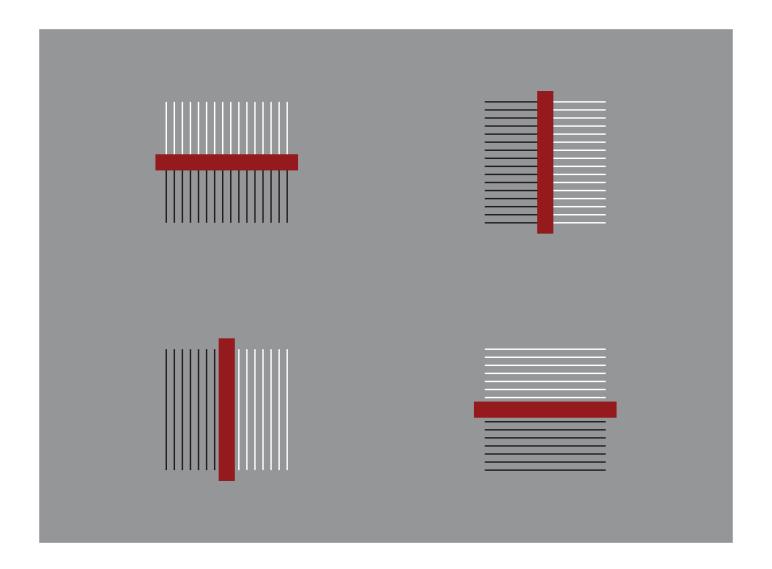


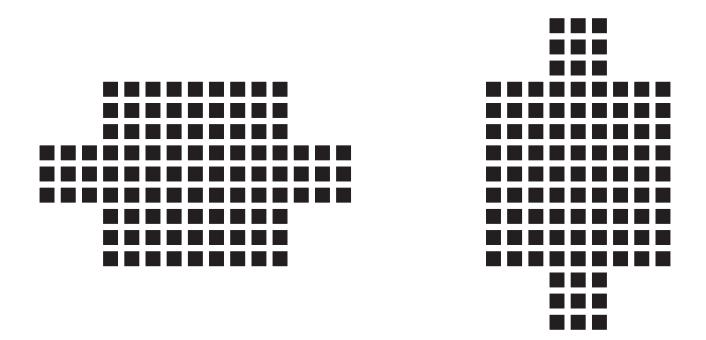






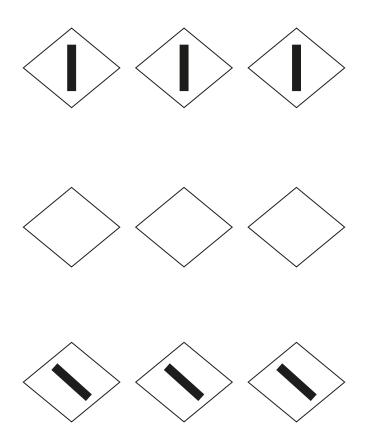


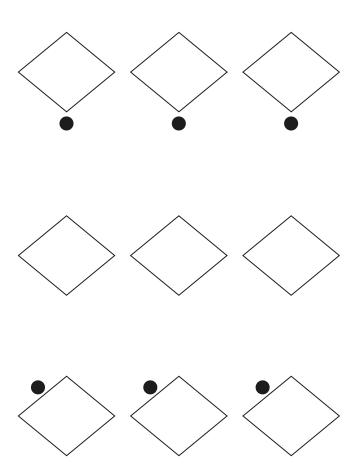


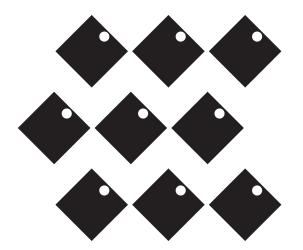


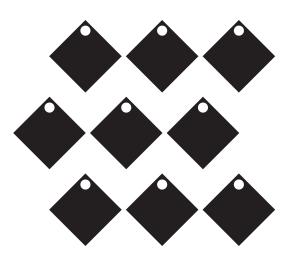


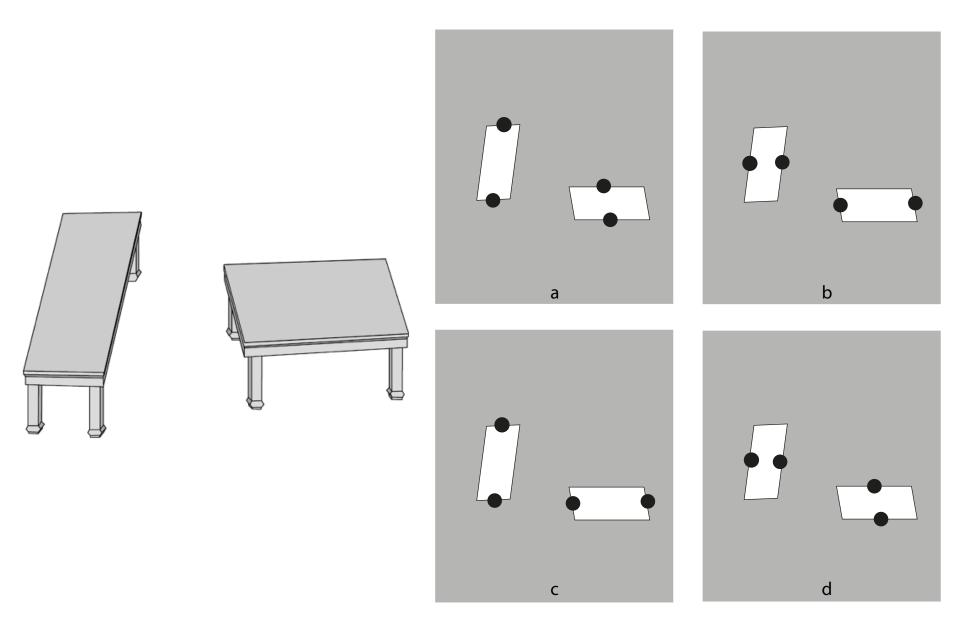


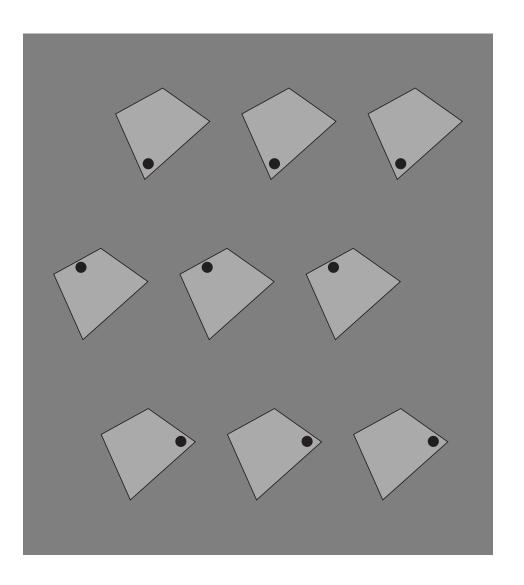


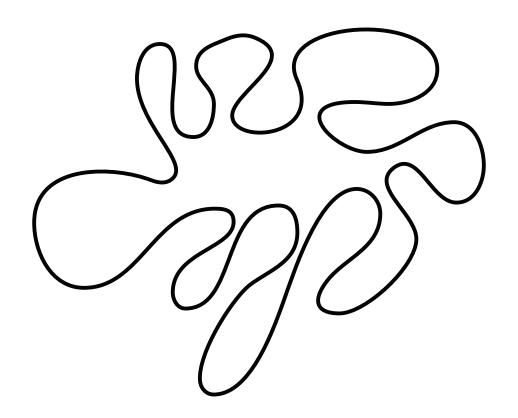


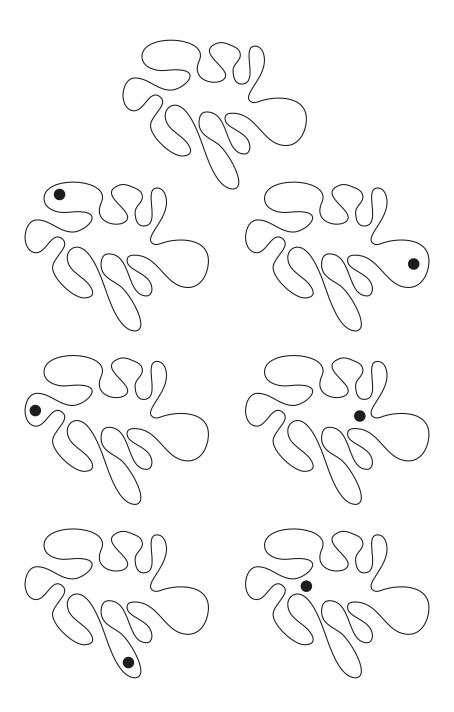


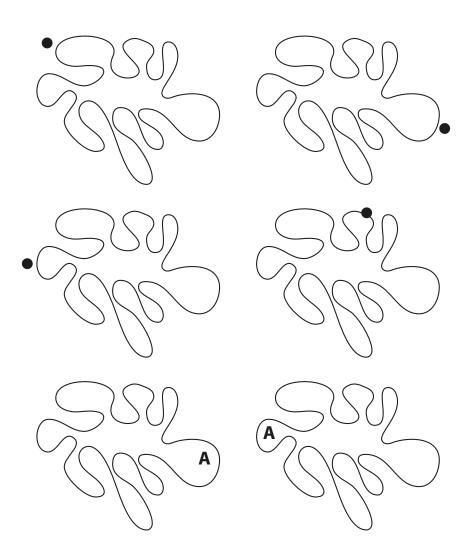






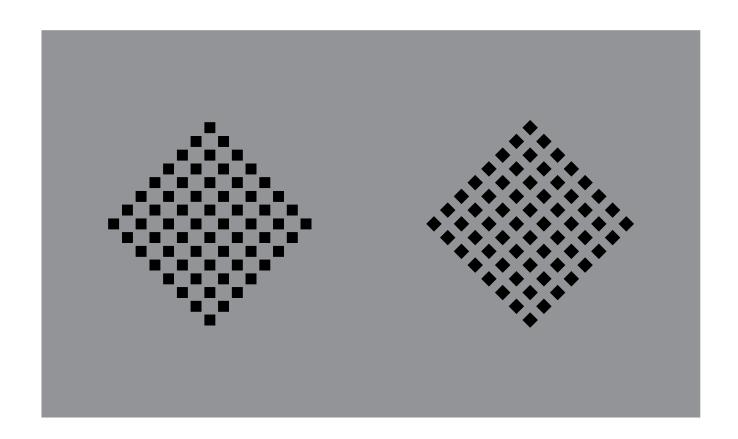


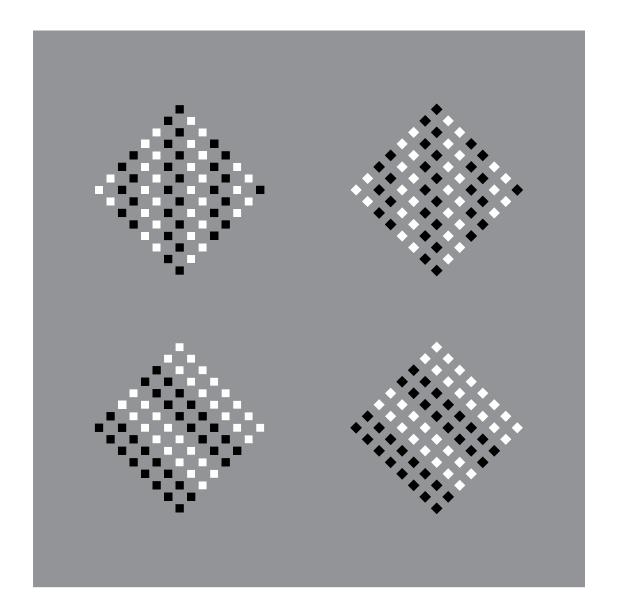


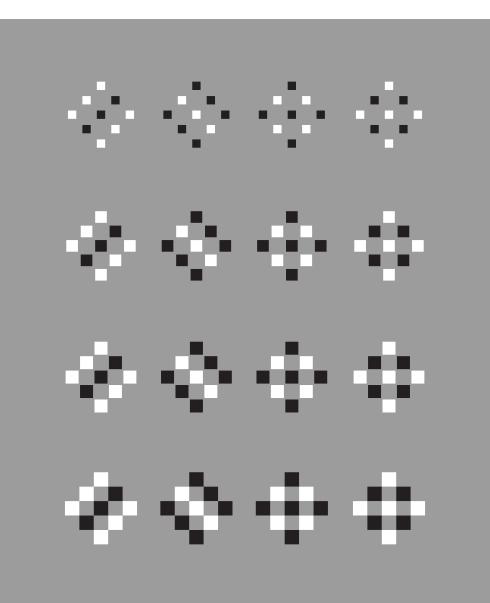


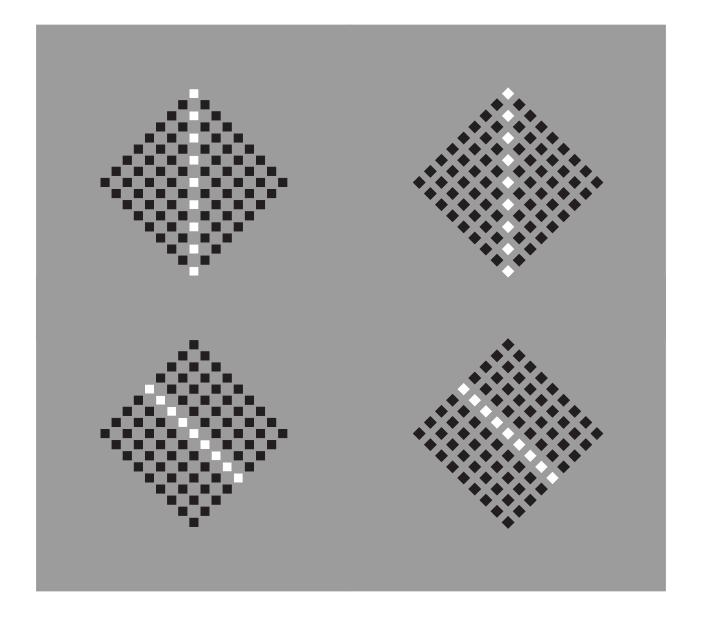


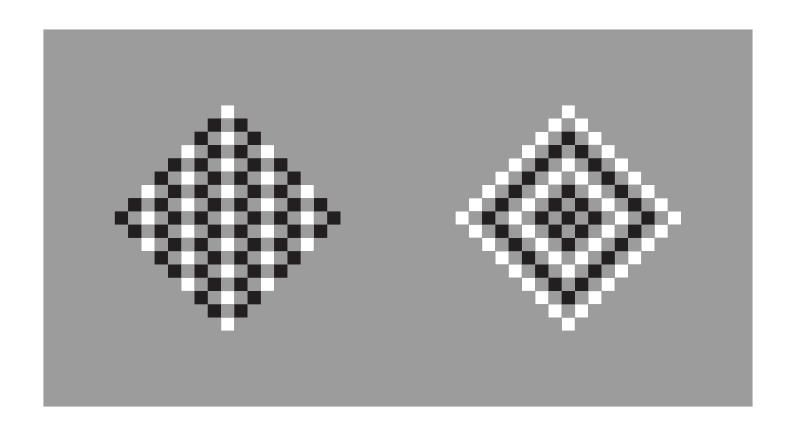


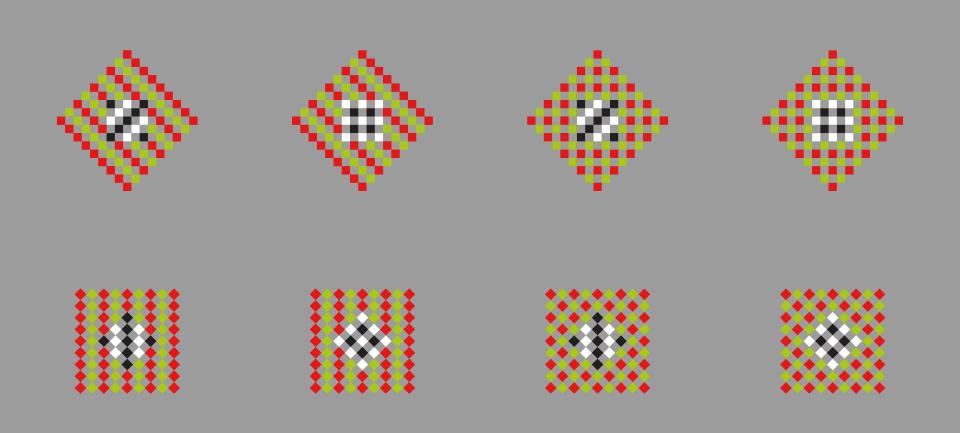


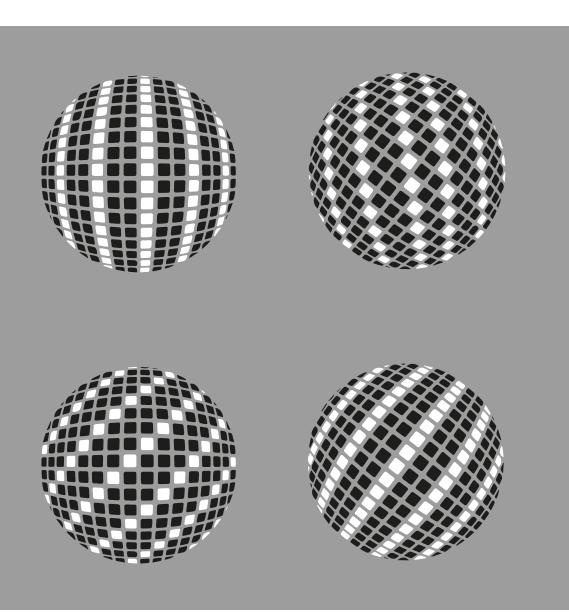


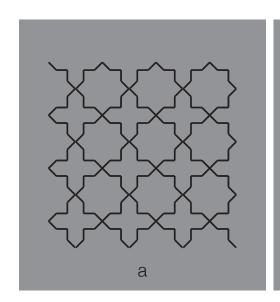


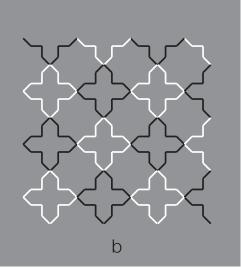


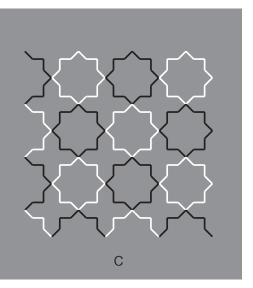


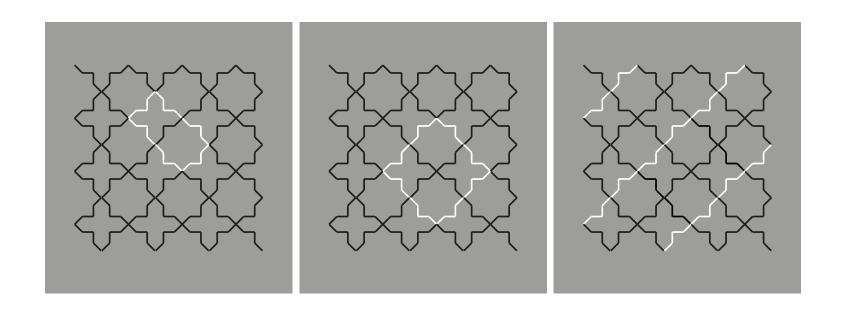


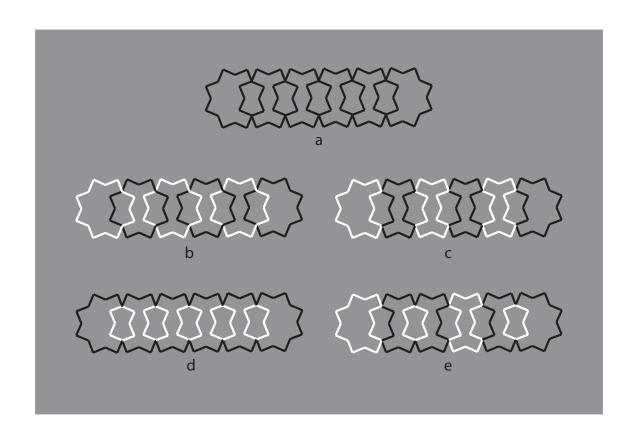


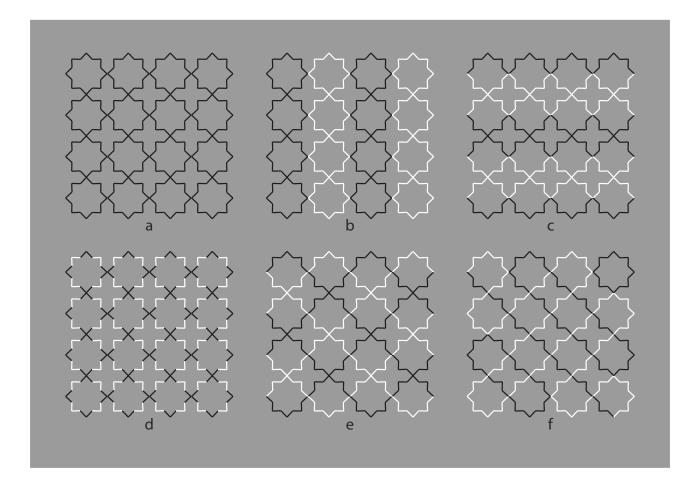


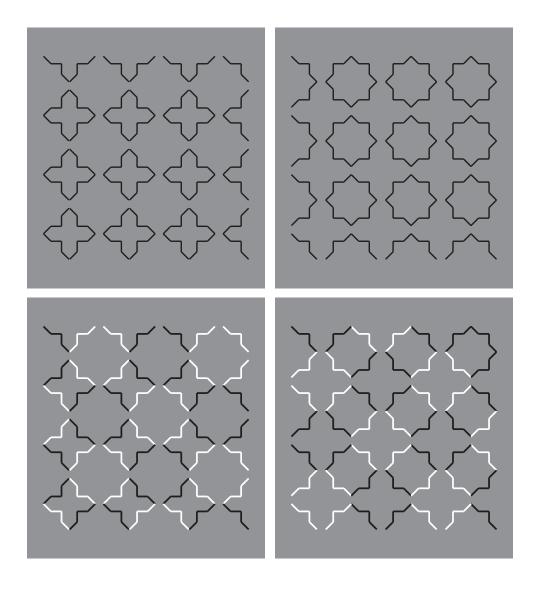


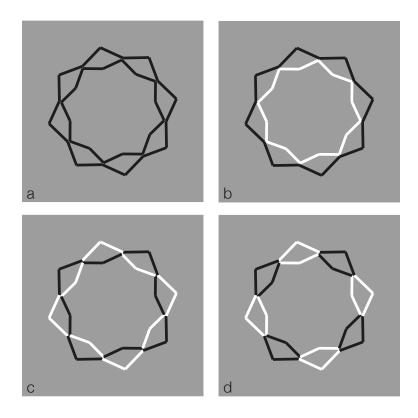


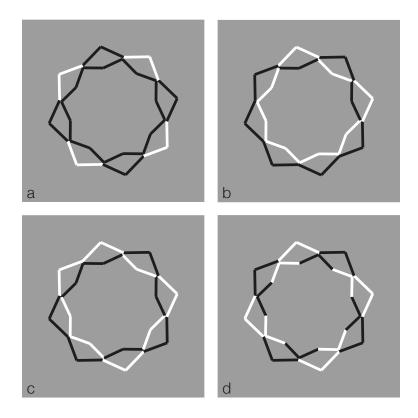


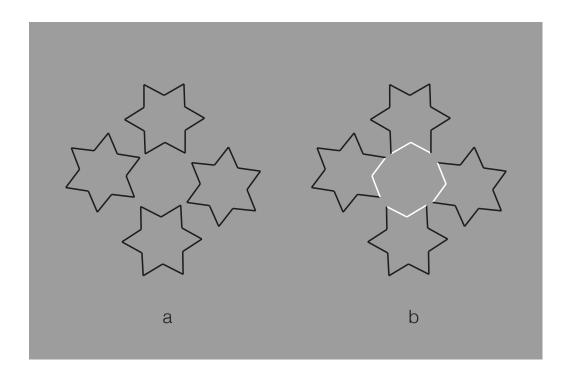


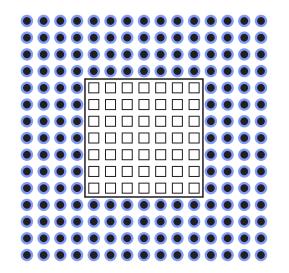


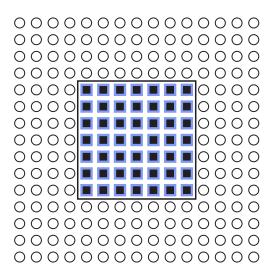


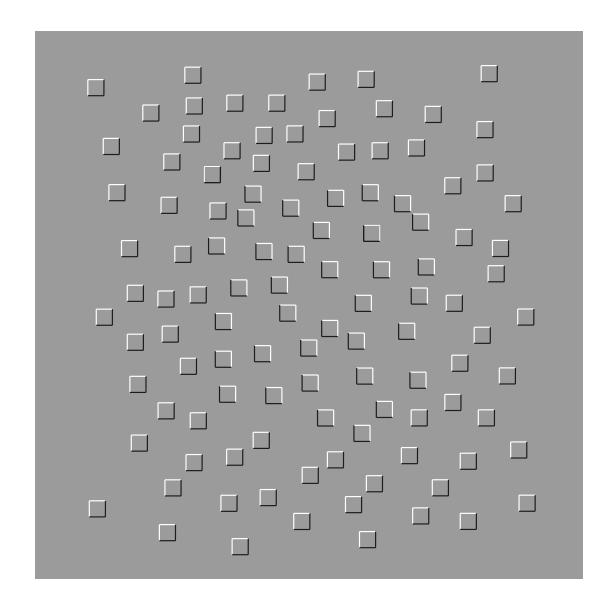


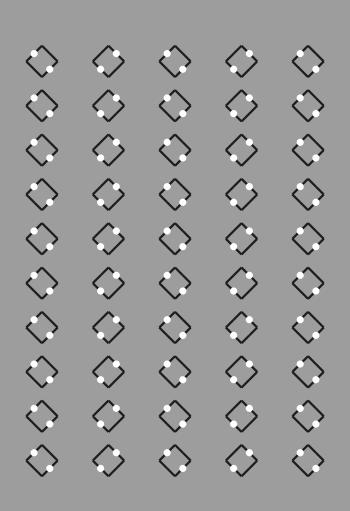


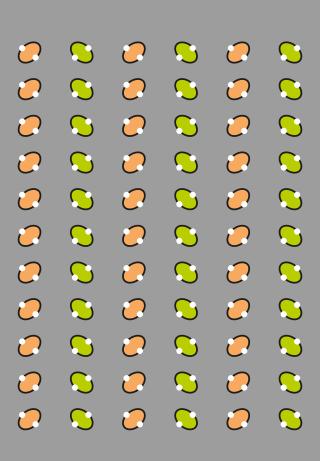


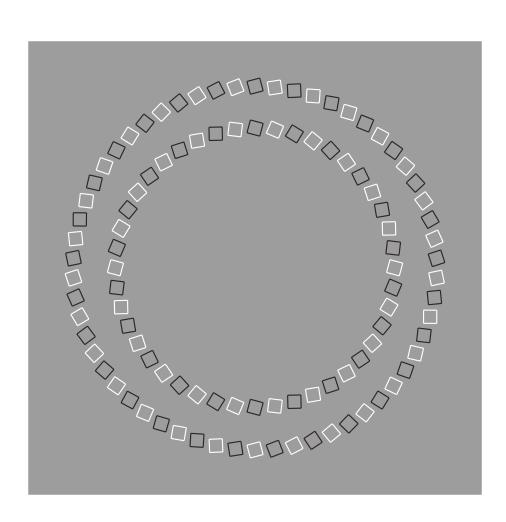


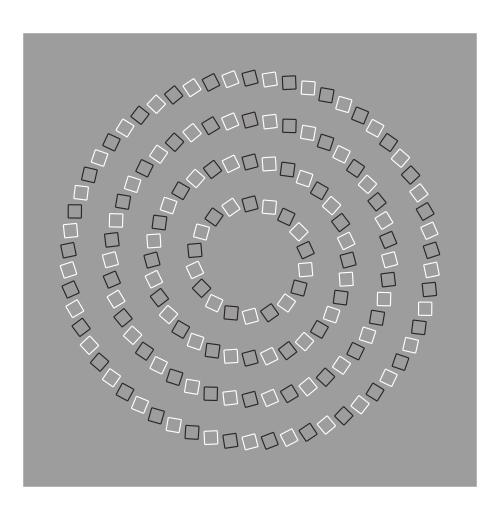


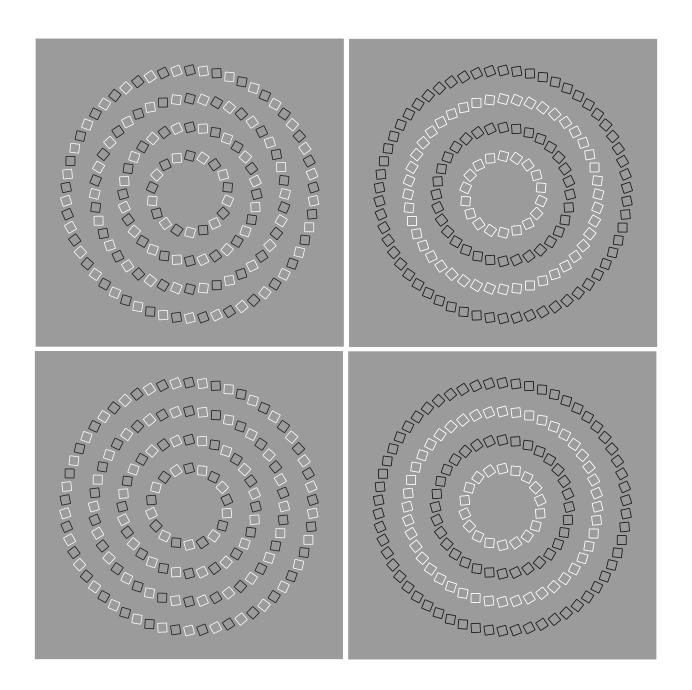












The illusion of truth

What is real?









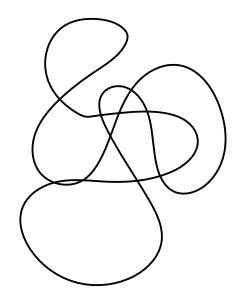


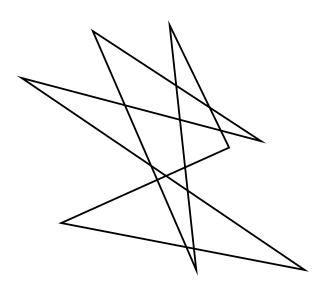












Beautiful

Ugly

Good

Bad

Male

Female

Fast

Slow

Hard

Soft

Cold

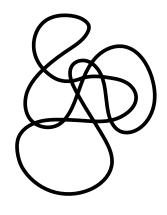
Warm

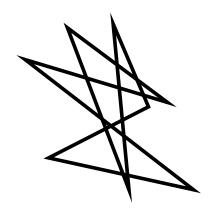
Weak

Strong

Quiet

Loud





Beautiful

Good

Female

Slow

Soft

Warm

Weak

Quiet

Ugly

Bad

Male

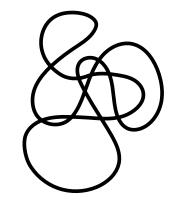
Fast

Hard

Cold

Strong

Loud

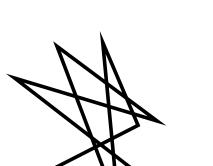


Delicious

Disgusting

Salty

Sweet

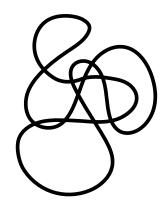


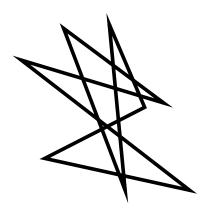
Mellow

Bitter

Sour

Sugary





Delicious

Disgusting

Sweet

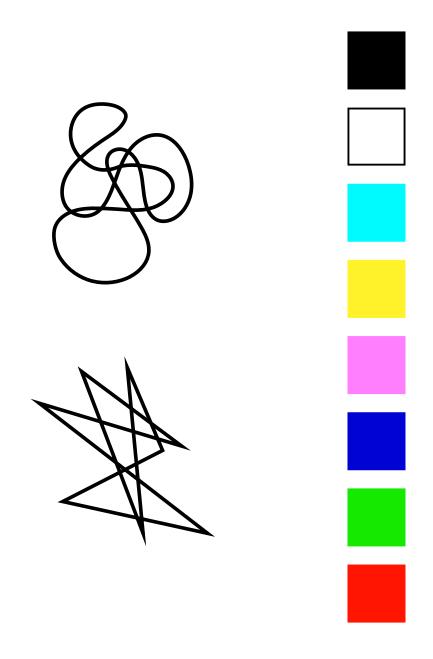
Salty

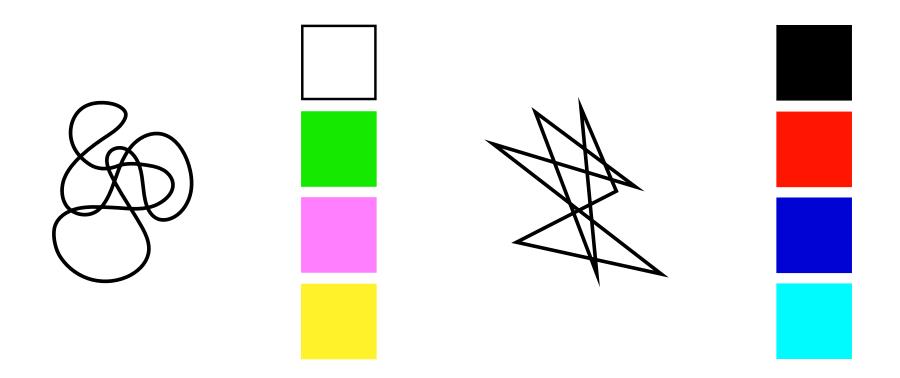
Mellow

Bitter

Sugary

Sour

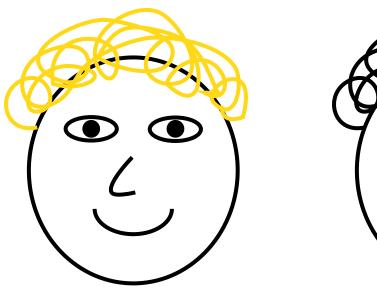


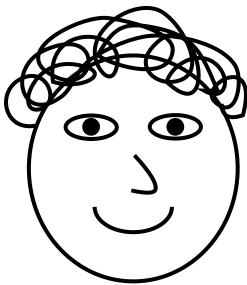


Colors in gender

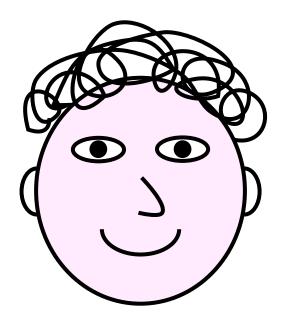


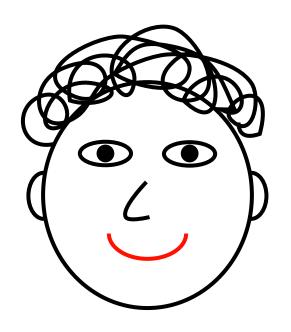


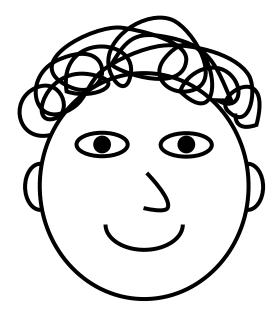




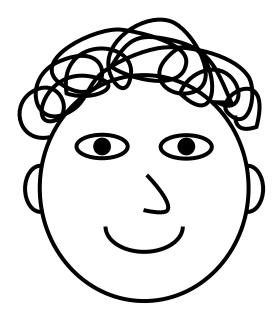






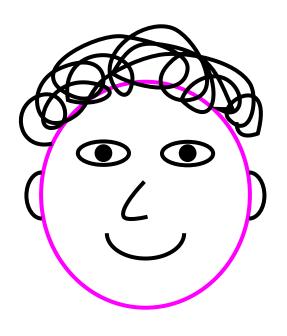


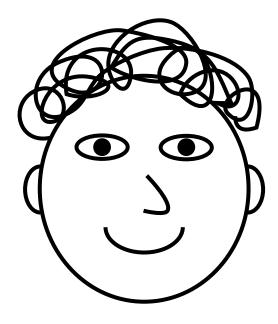




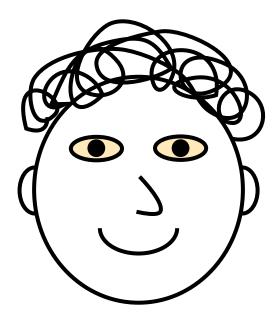


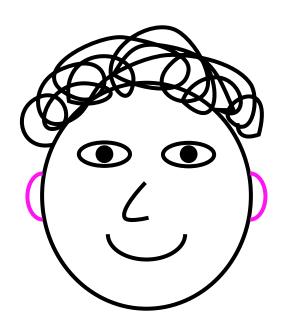


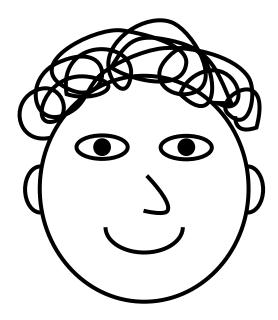












Male-female from color

Who is male and who is female?





Shape & color accents in sexual dimorphism

visible and invisible



Shape & color accents in sexual dimorphism

visible and invisible



Shape & color accents in sexual dimorphism

visible and invisible













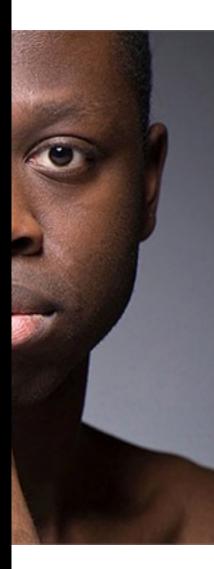














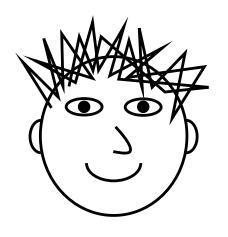




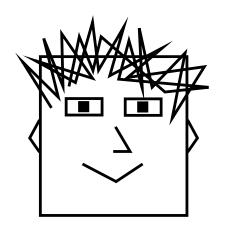


Stupid-intelligent from shape

Lombroso illusion

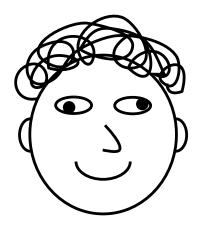










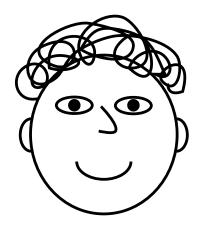


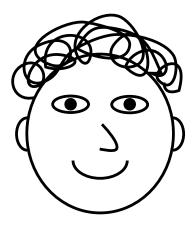


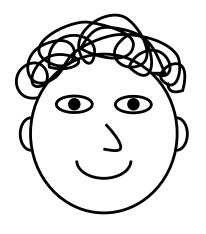




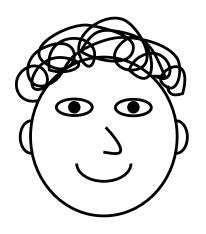




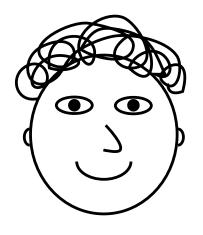








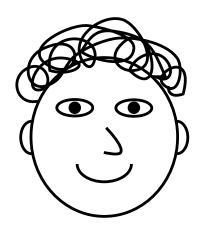












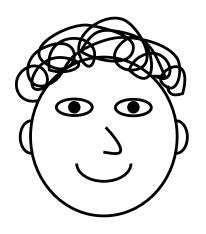


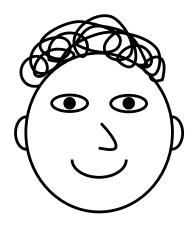








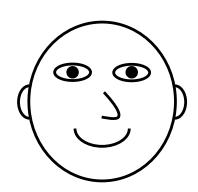


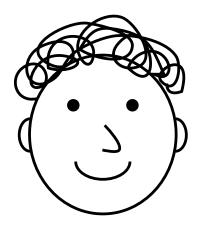










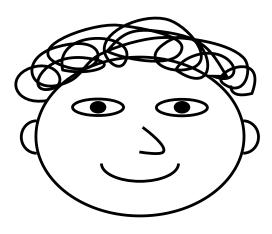


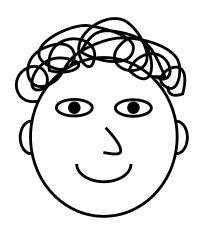


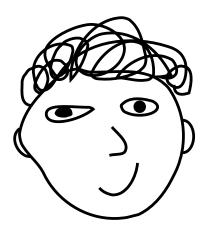


















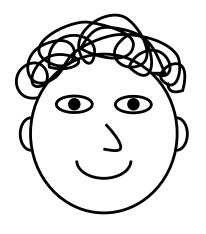
















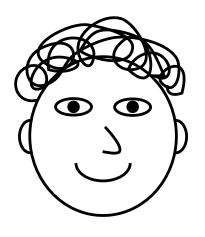


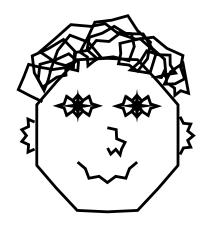


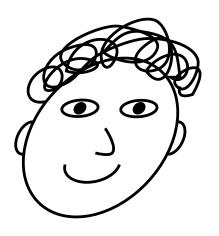






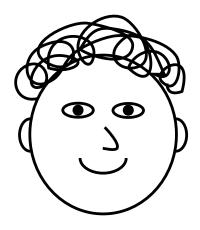


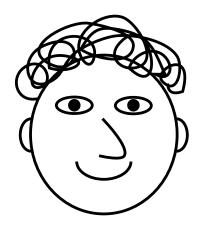












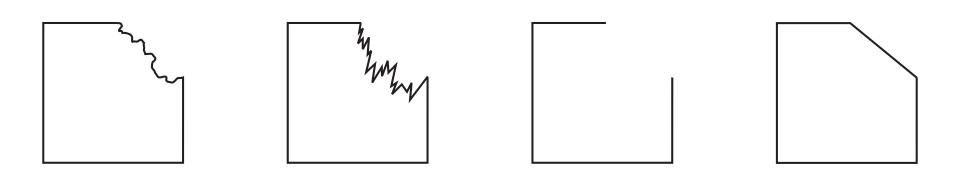


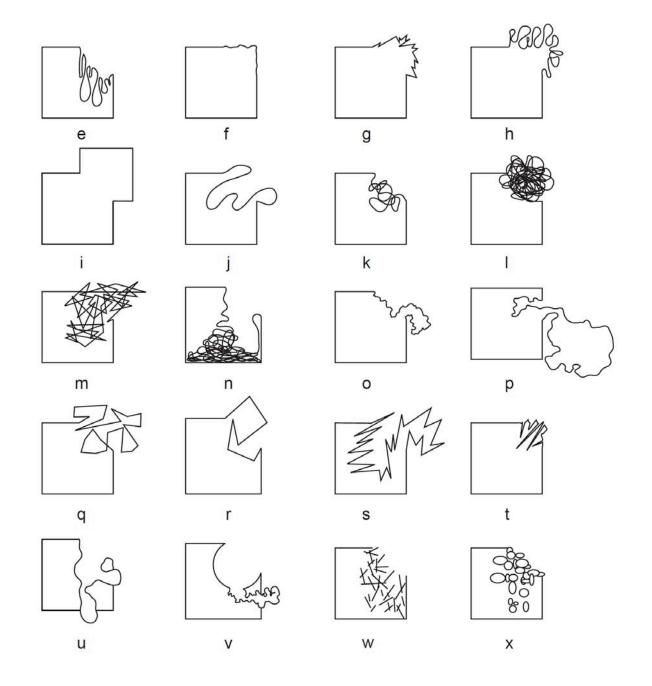


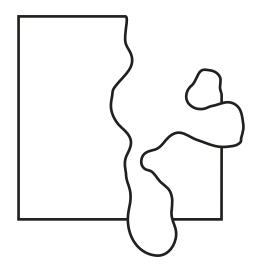


The illusion of causality

Material, happening, cause and time from shape

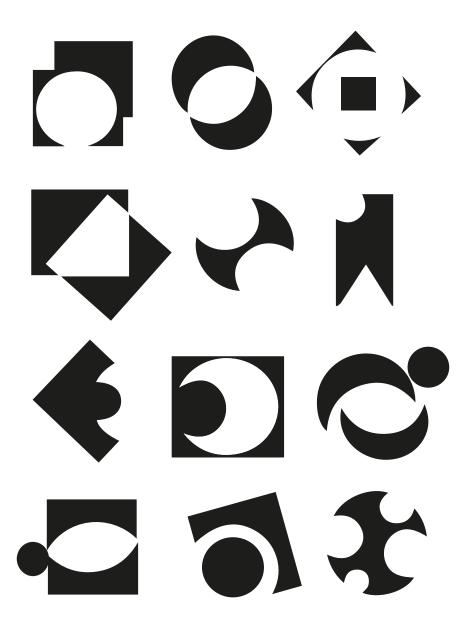






The illusion of meaning

Meanings from shape



Conclusions

The truth of illusion and the illusion of truth

- Perceptual organization is useful to understand illusions
- Illusions are useful to understand perceptual organization
- Biological adaptive fitness from illusions

