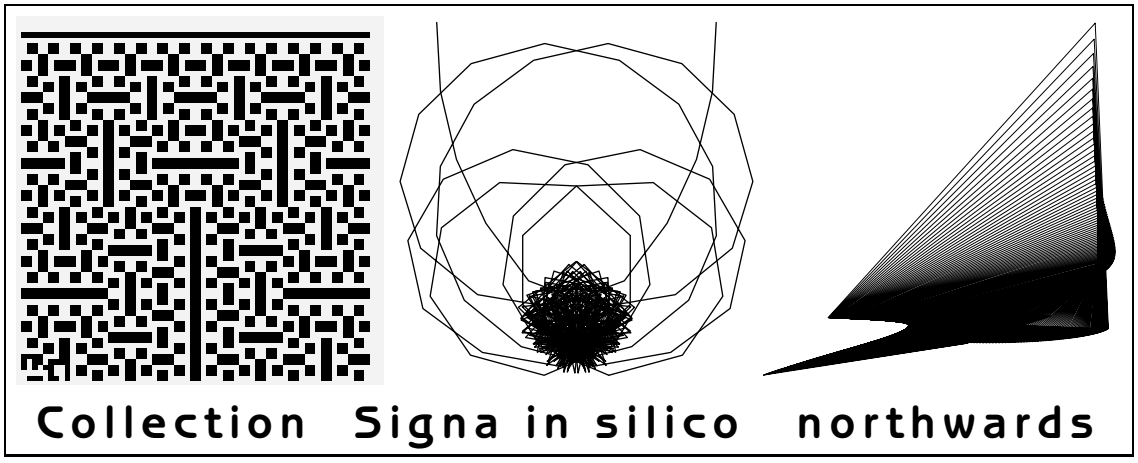
Erwin P. Stoschek stoschek@tcs.inf.tu-dresden.de
Dagmar Schönfeld schoen@tcs.inf.tu-dresden.de

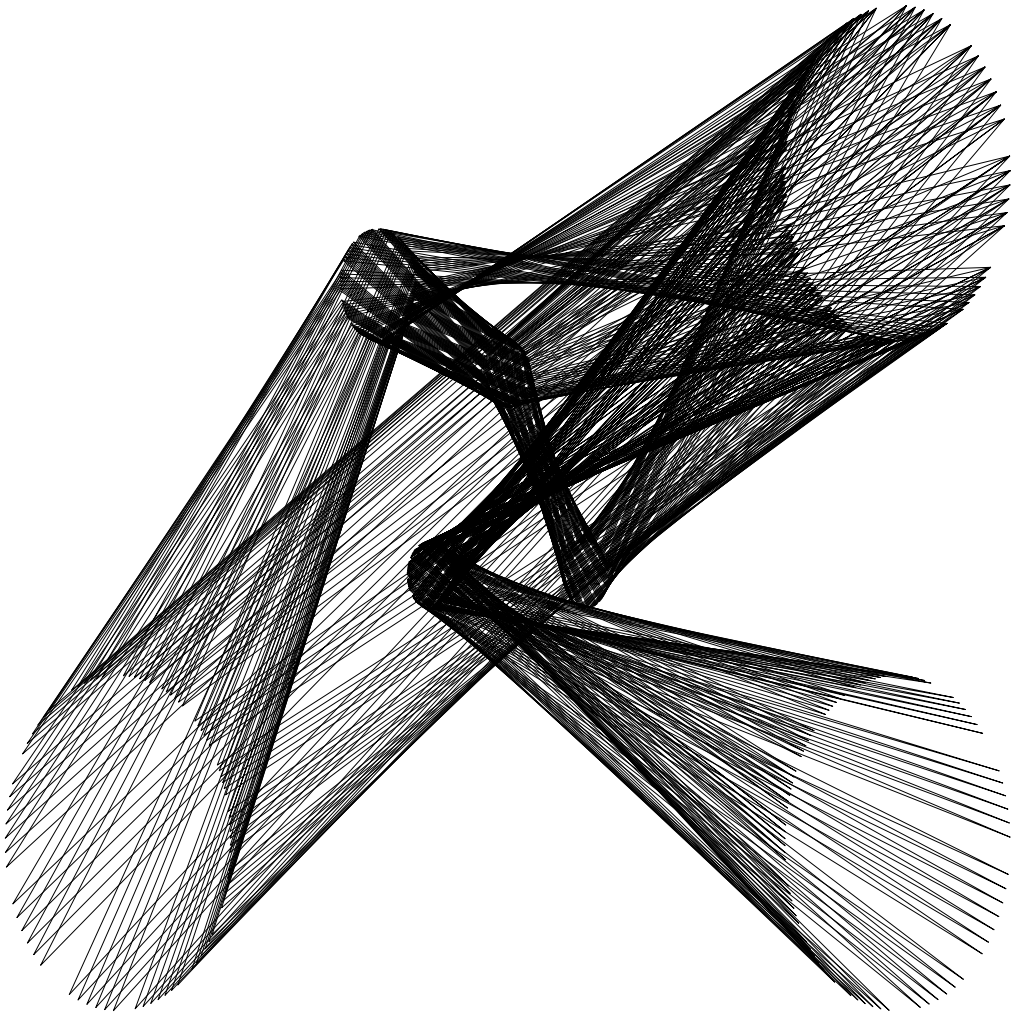
Signa in silico northwards

The computer graphics shown in this exhibition are untreated original output patterns of the algorithm system (Signa in silico), mimicing aspects of gene expression. In this way achievable pattern diversity is in many respects comparable with the biodiversity.
Aesthetically interesting graphics emerge with finite closed–form or linear repetitive character; these can sometimes be highly symmetric, but can also appear as free–form objects of an apparently spontaneous impetus. The textural variety spans 2D and quasi–3D objects of extreme filigree, monumental, or even simple character. Many symmetric or near–symmetric patterns remind us of classical symbols and ornaments of all cultural areas, as well as forms in nature and art. However, they also represent valid independent creations.
Signa in silico is also an efficient idea and pattern generator for design and engineering applications as well as a philosophical question mark: emanatio or creatio ex nihilo?

More information you can find in

http://www.DresdenAlgorithmicsChannel.de

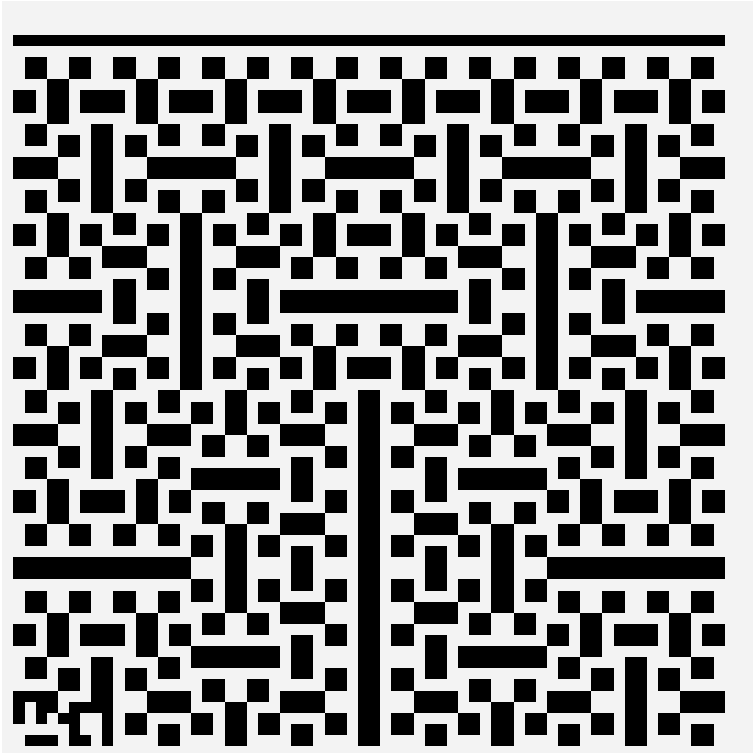


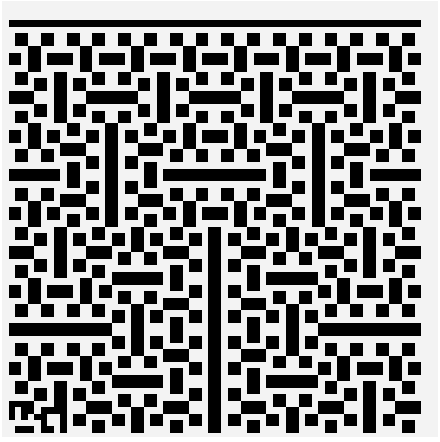


$$z = 1/6; lambda = e^{2\pi z}; n = 2000;$$
$$u = v = feld[[1]] = lambda^{x[[1]]};$$
$$Table[\{u = u \cdot lambda^{x[[i]]}; v = (u - v)/(u + v); feld[[i + 1]] = v; \}, \{i, 1, n\}];$$
$$Table[\{x[[i]] = Re[feld[[i]]]; y[[i]] = Im[feld[[i]]]; \}, \{i, 1, n\}];$$
$$ListPlot;$$

Cosmic switch

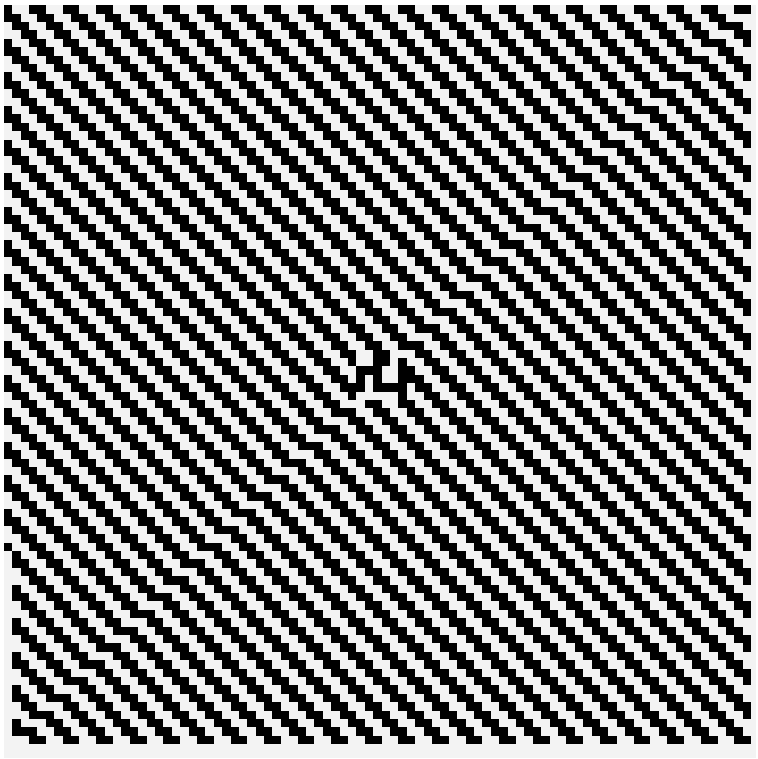
Signa in silico 2000

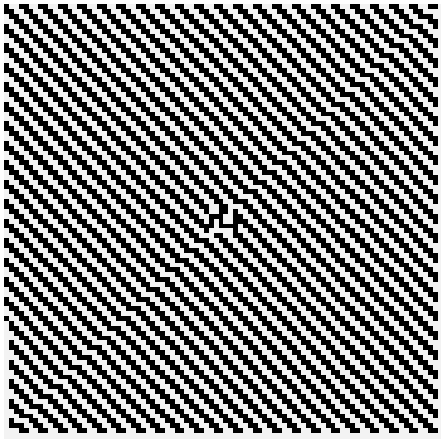




Strength

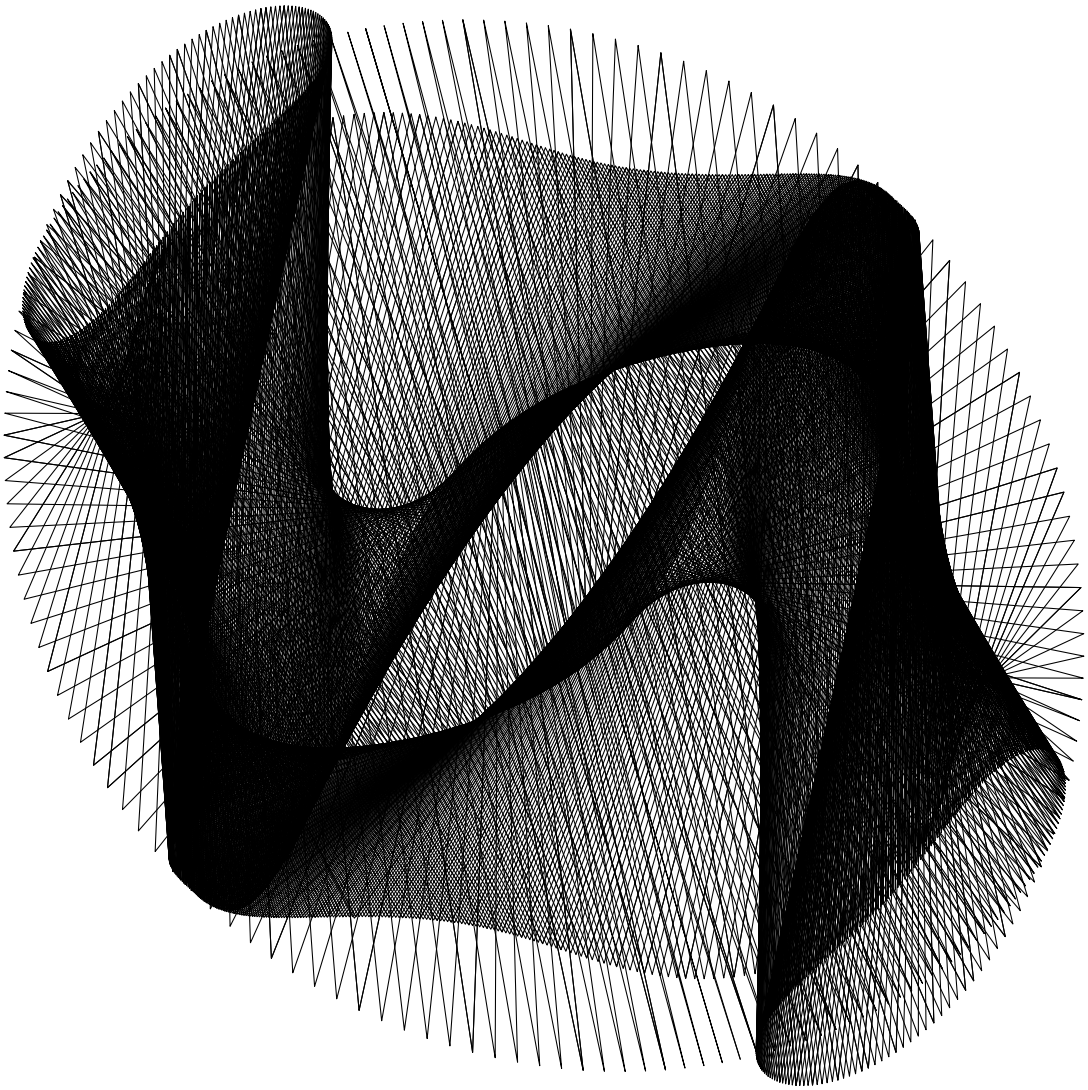
Signa in silico 2000





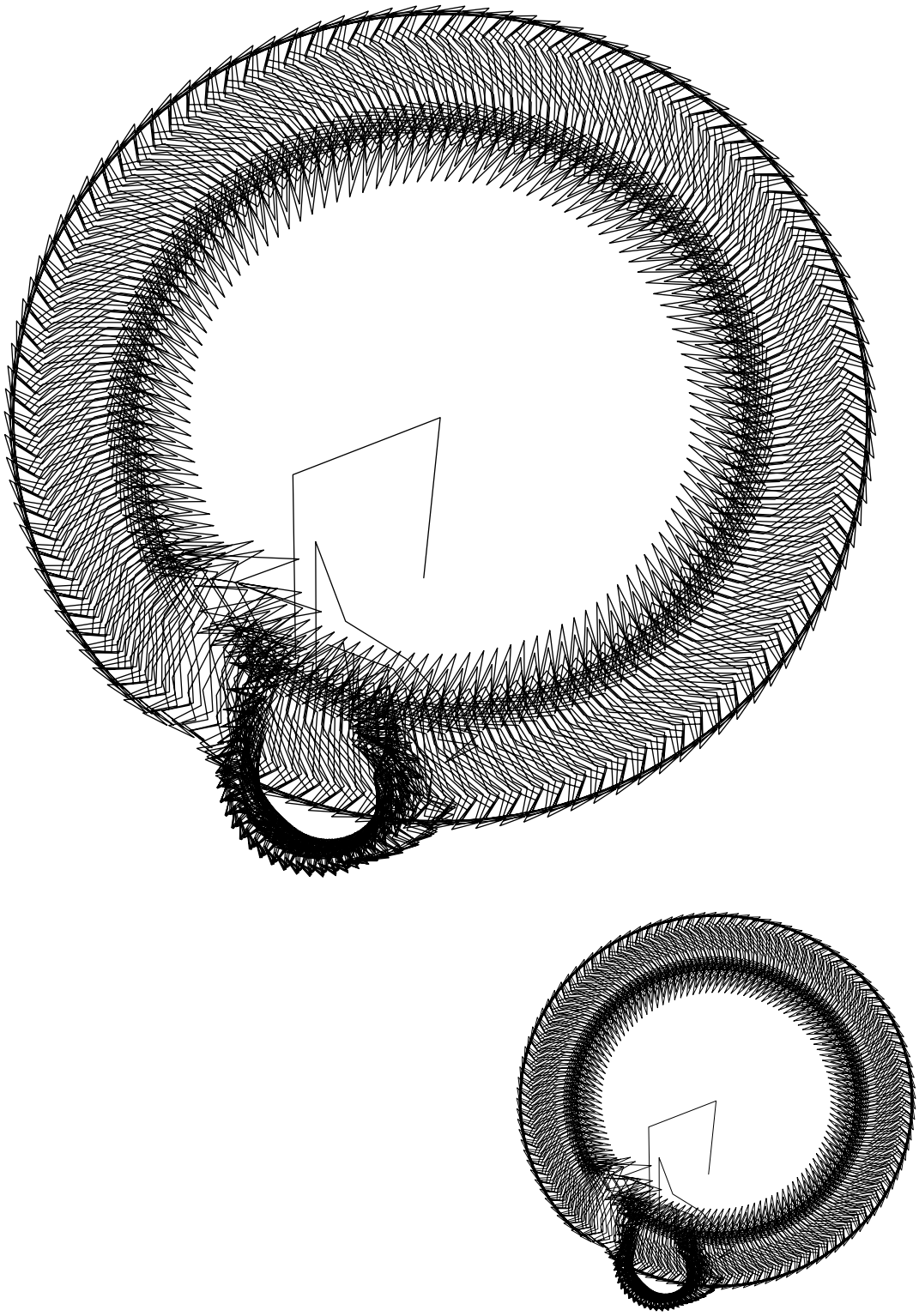
Isolation

Signa in silico 2000



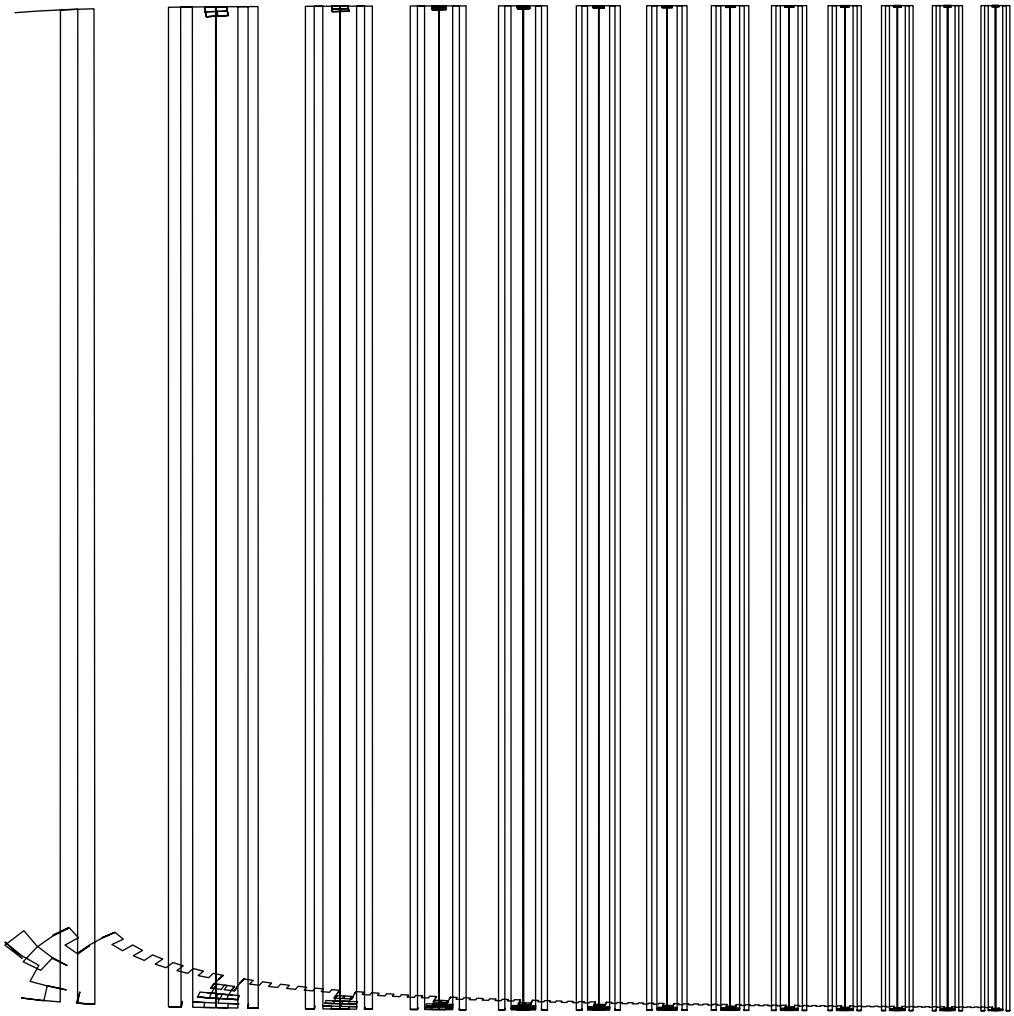
Maurice Ravel. Bolero

Signa in silico 2000



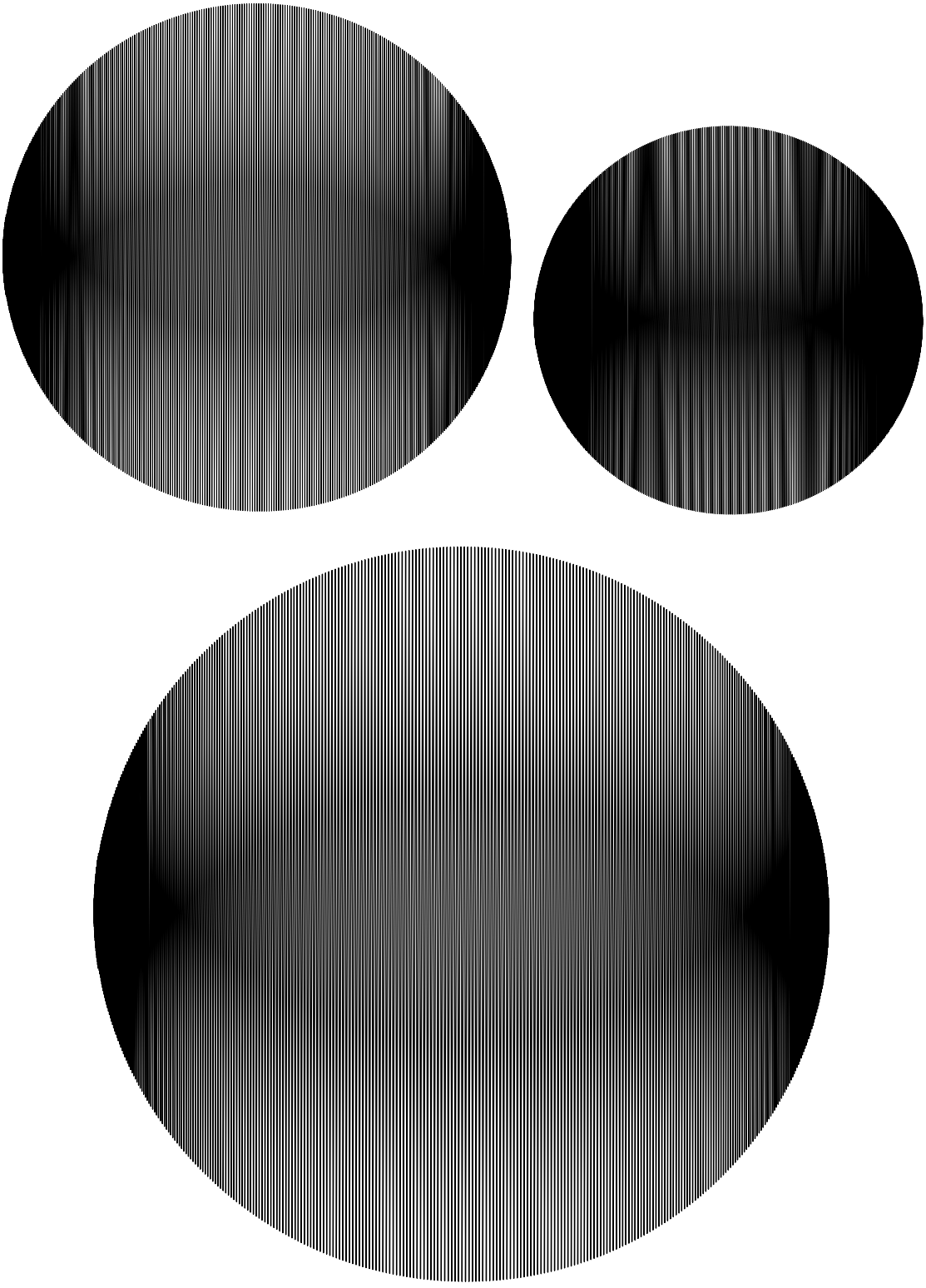
Eruption

Signa in silico 2000



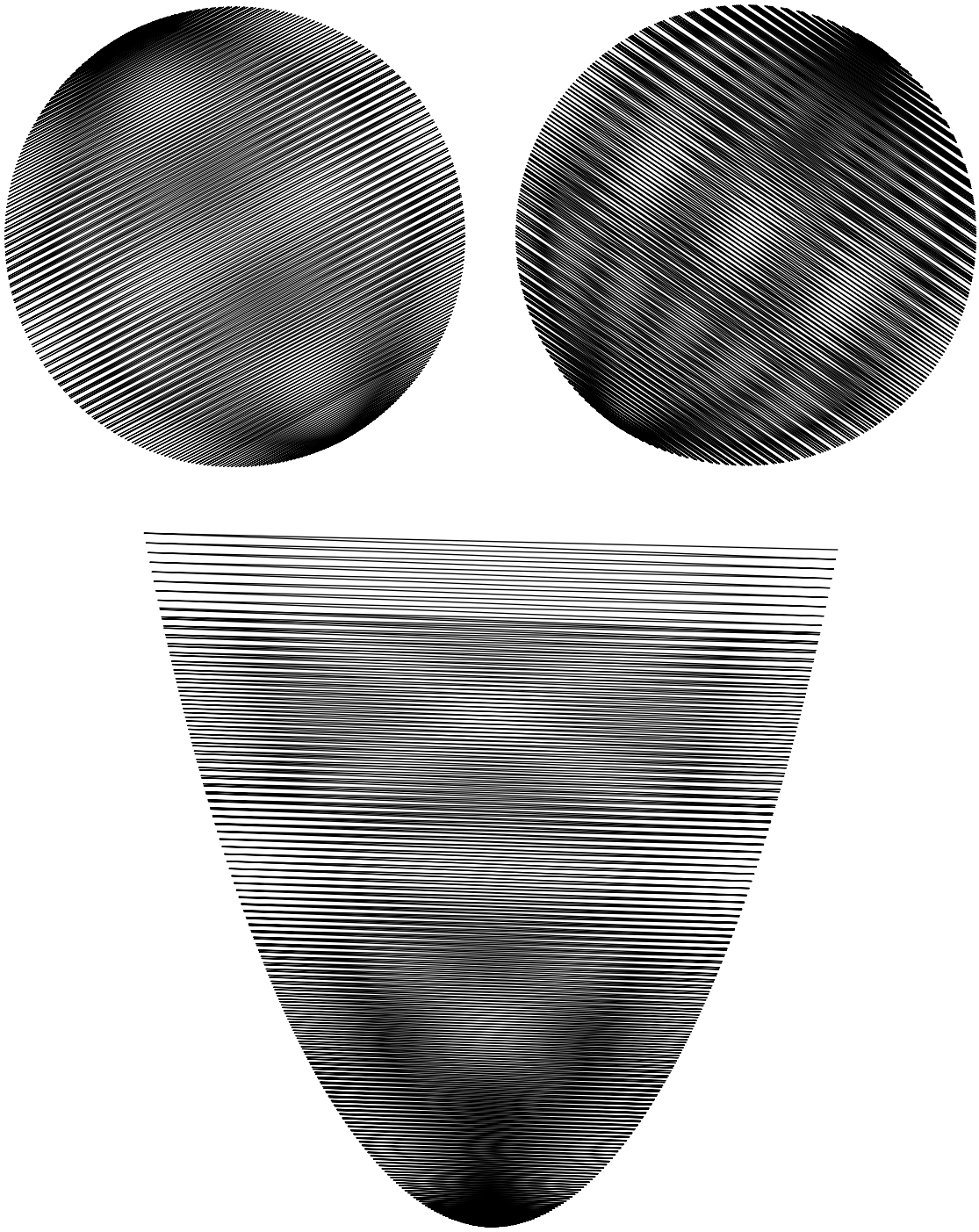
Organ

Signa in silico 2000



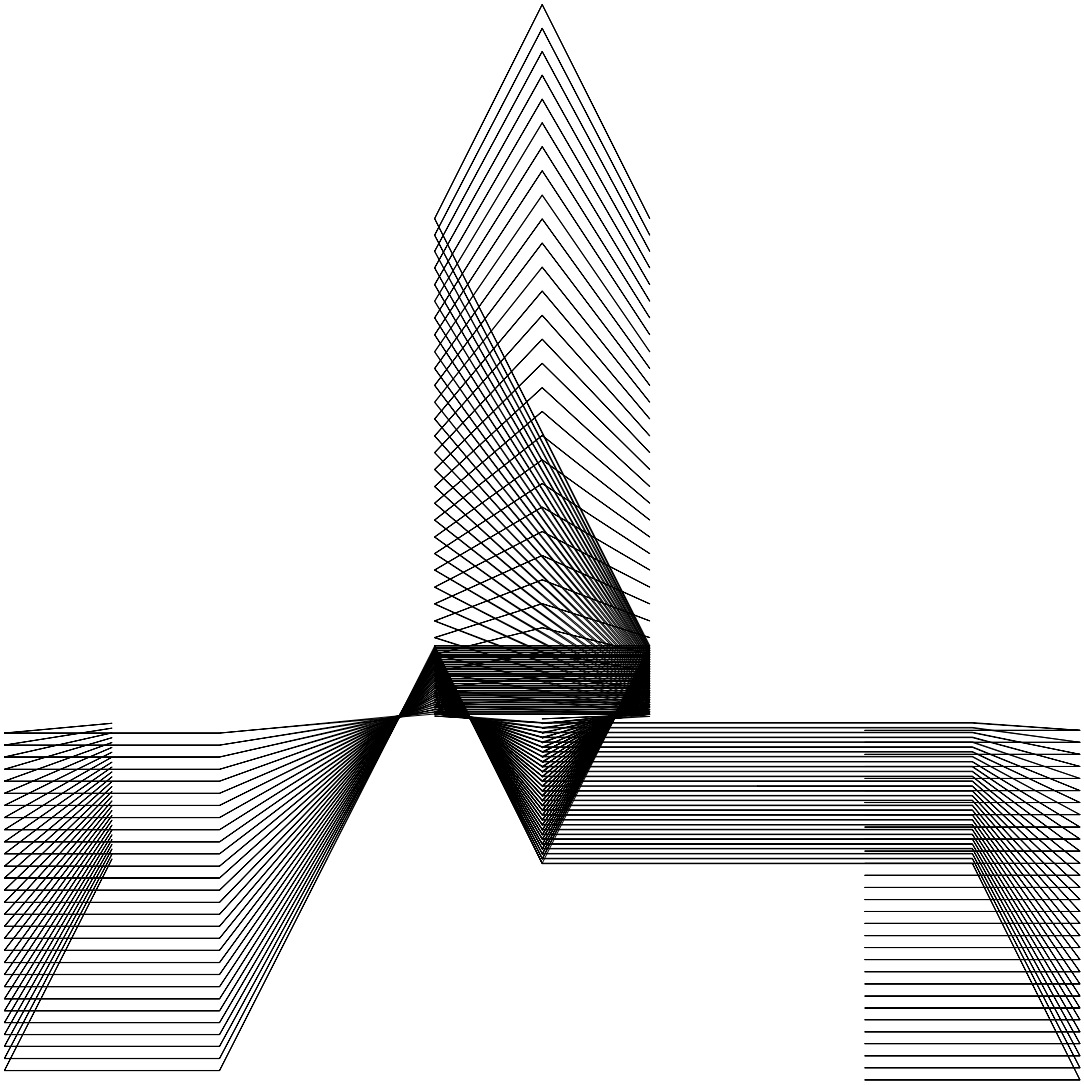
Fog

Signa in silico 2000



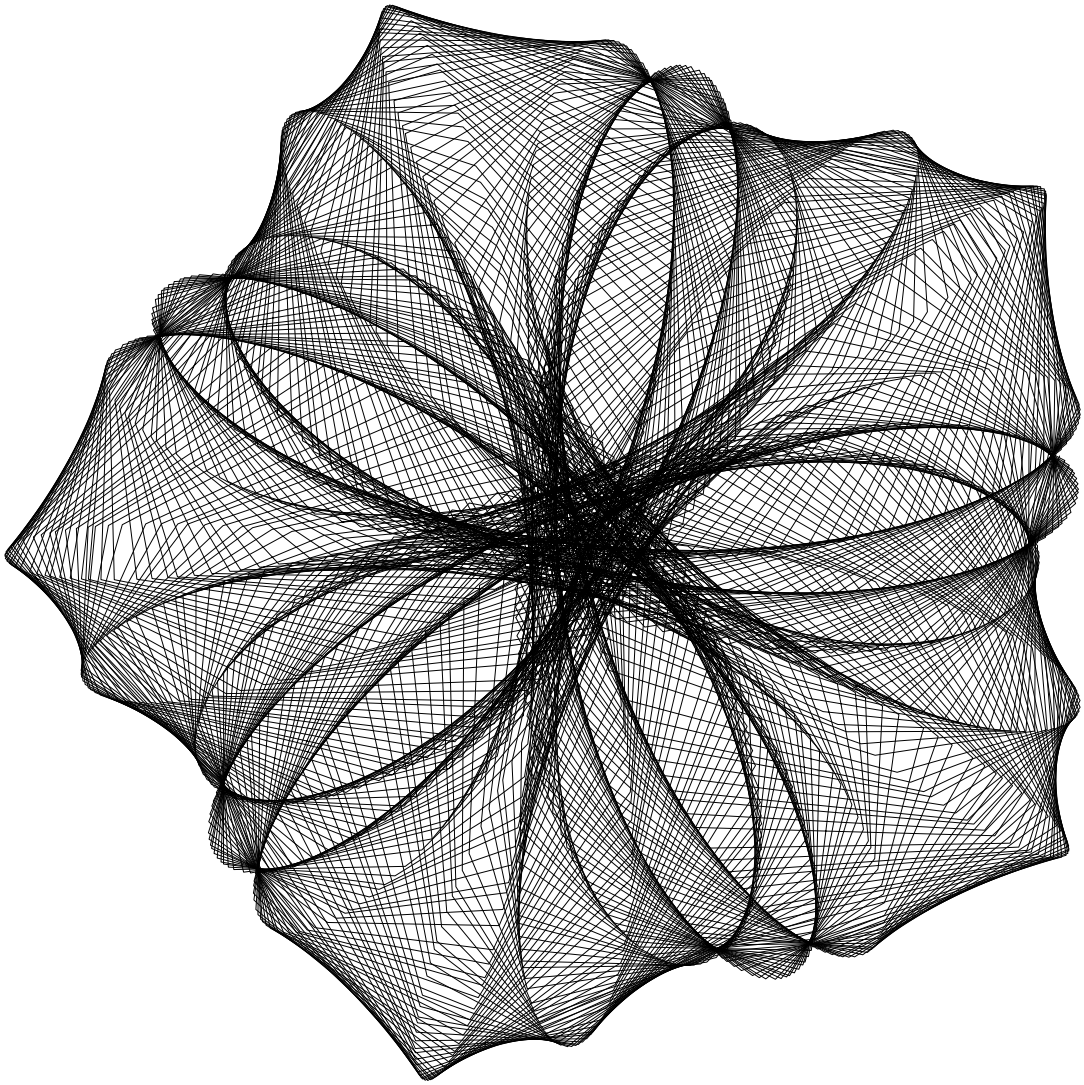
Vision

Signa in silico 2000



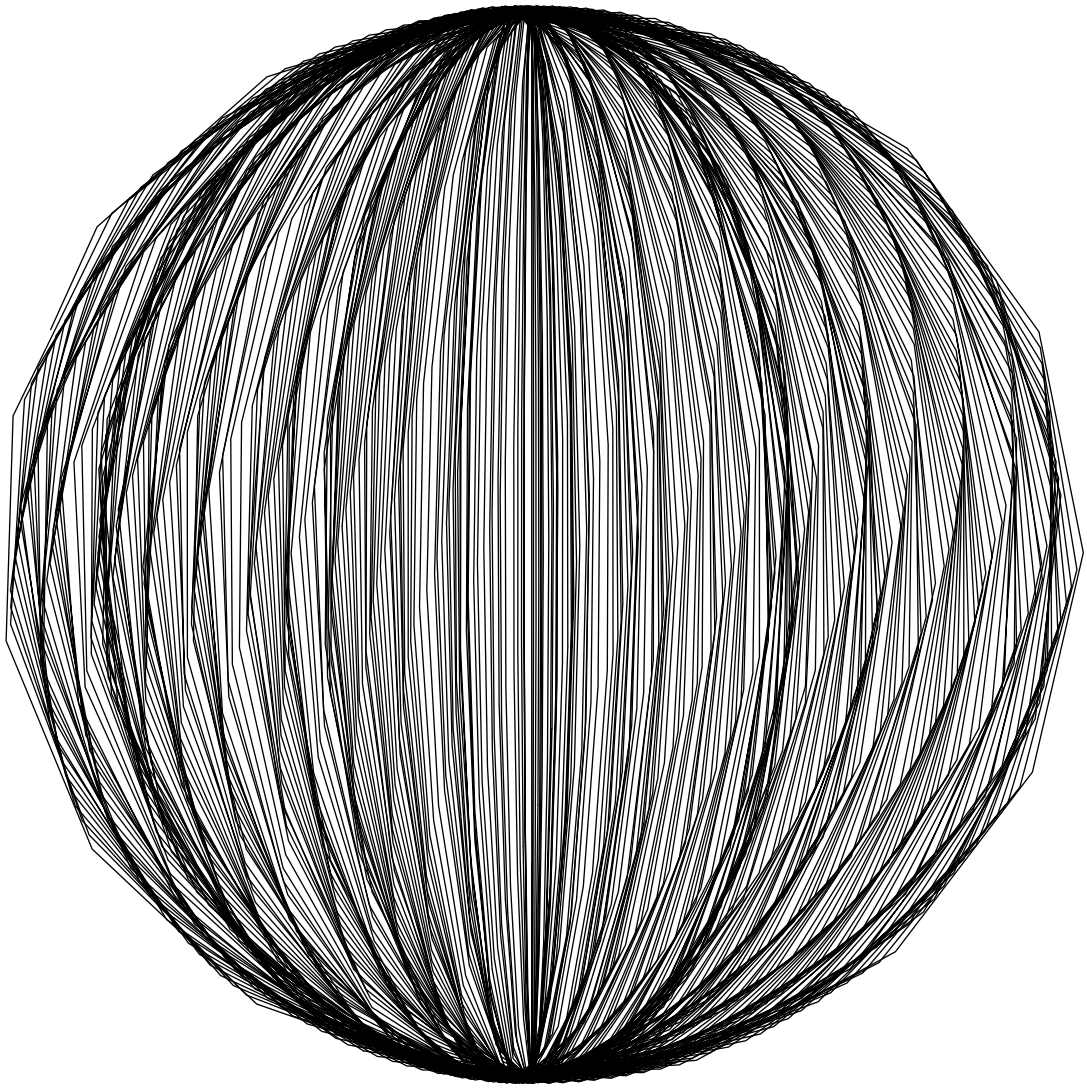
Perpetuum mobile

Signa in silico 2000



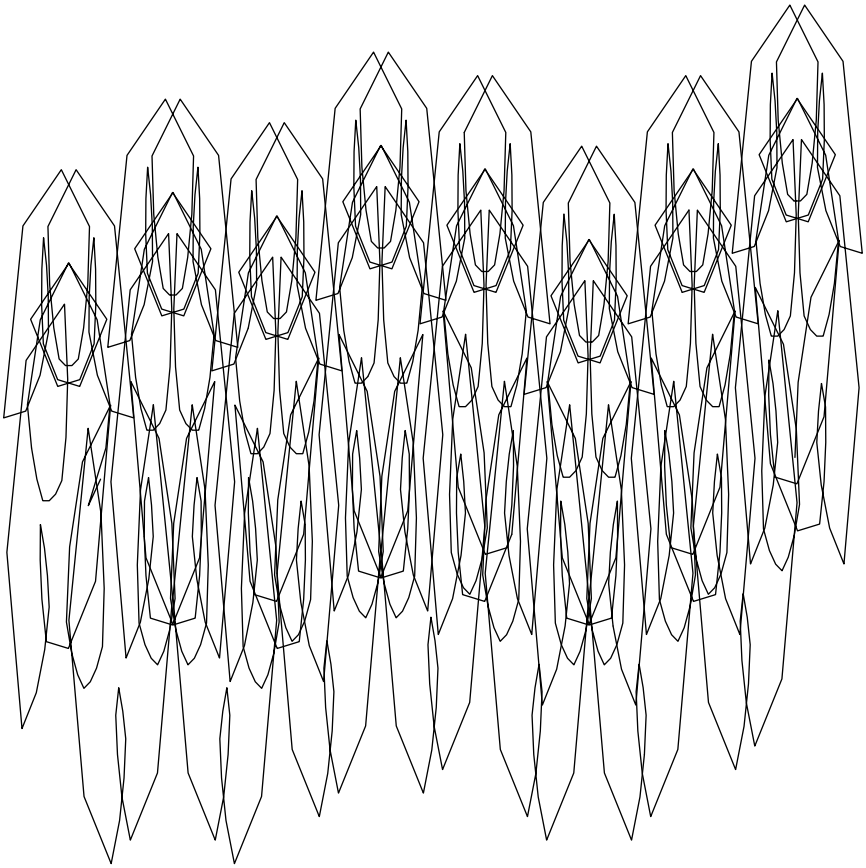
Tiffany lamp

Signa in silico 2000



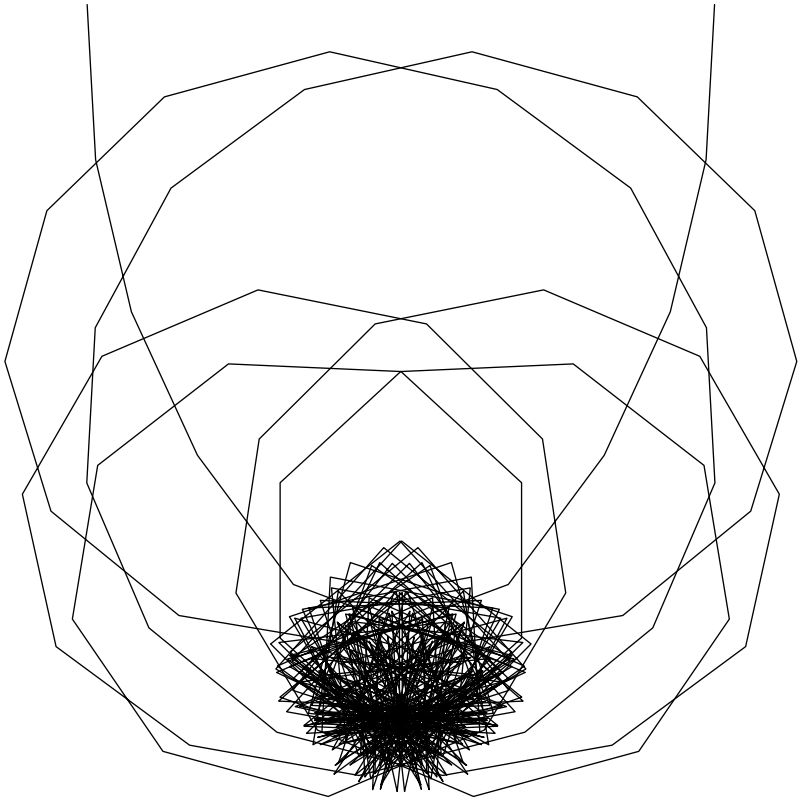
Chinese lantern

Signa in silico 2000



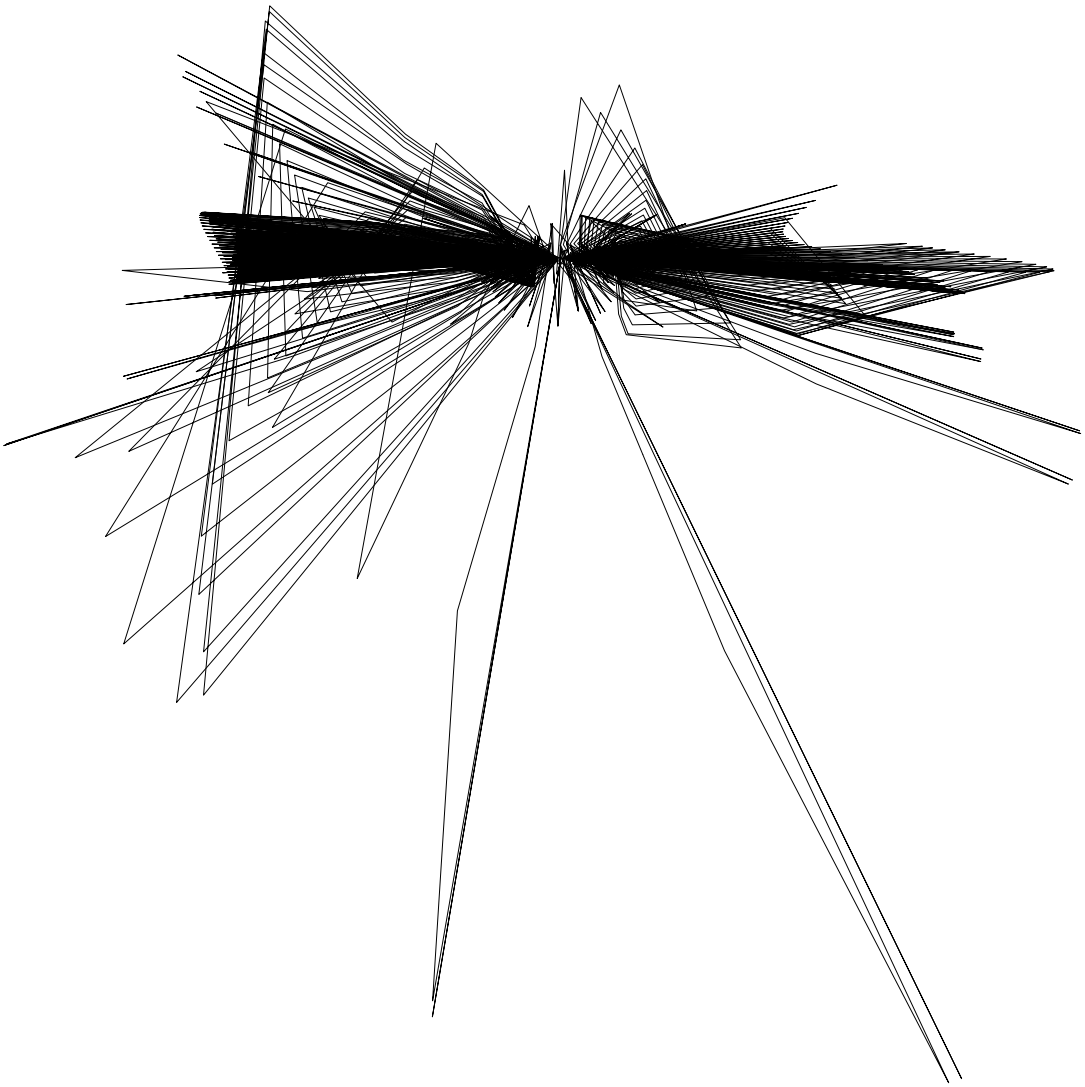
Mourners

Signa in silico 2000



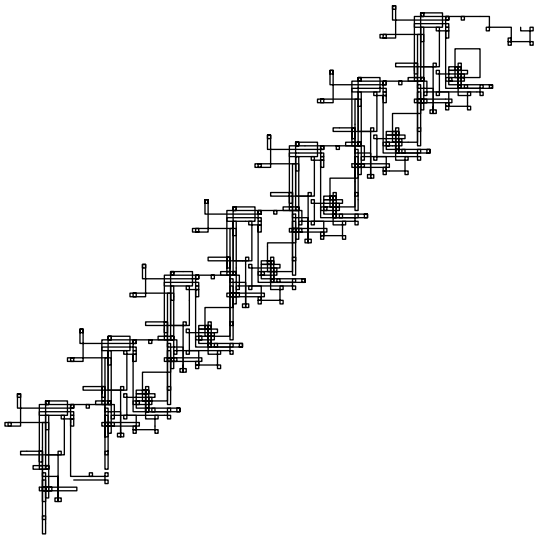
Aranea algorithmica

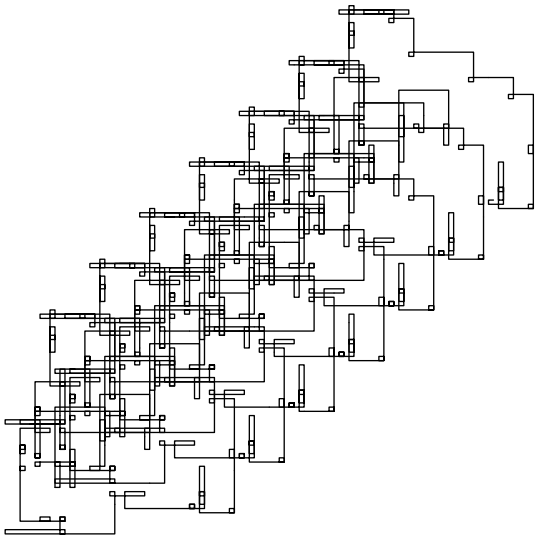
Signa in silico 2000

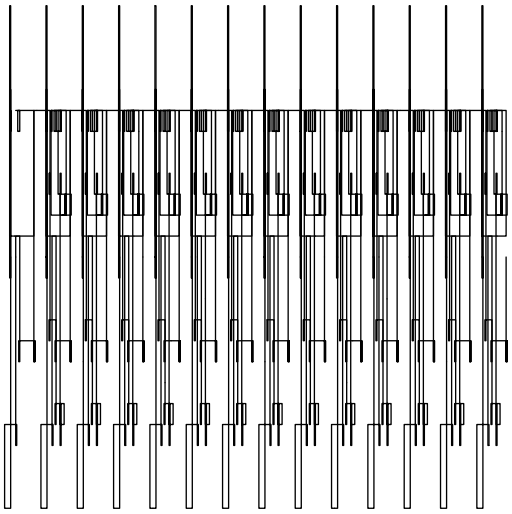


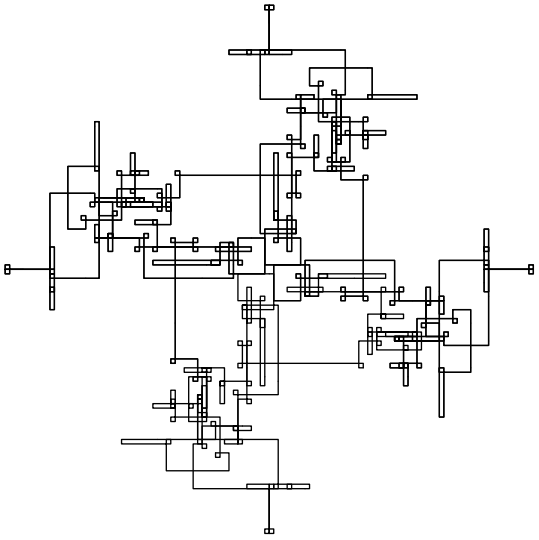
Exhibition fight

Signa in silico 2000



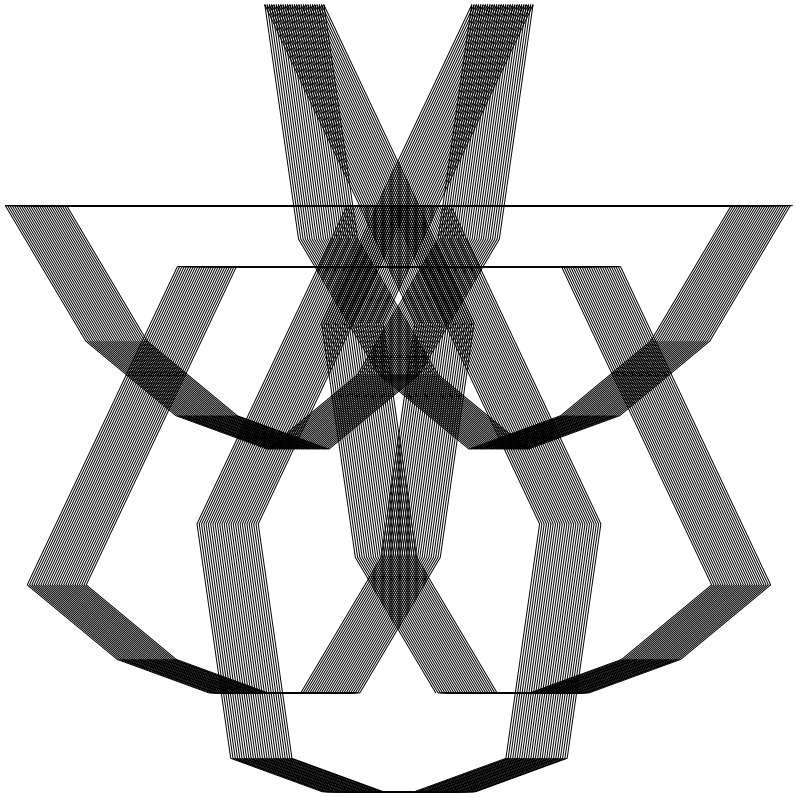


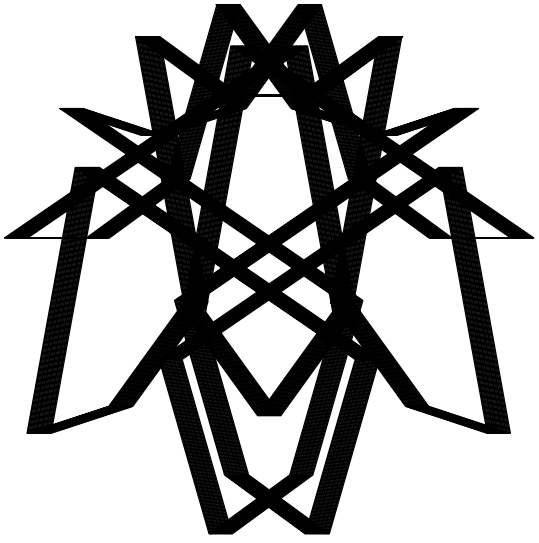


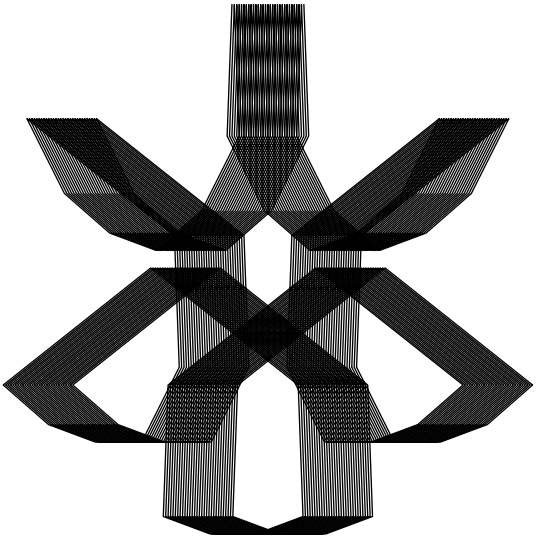


Techno II

Signa in silico 2000

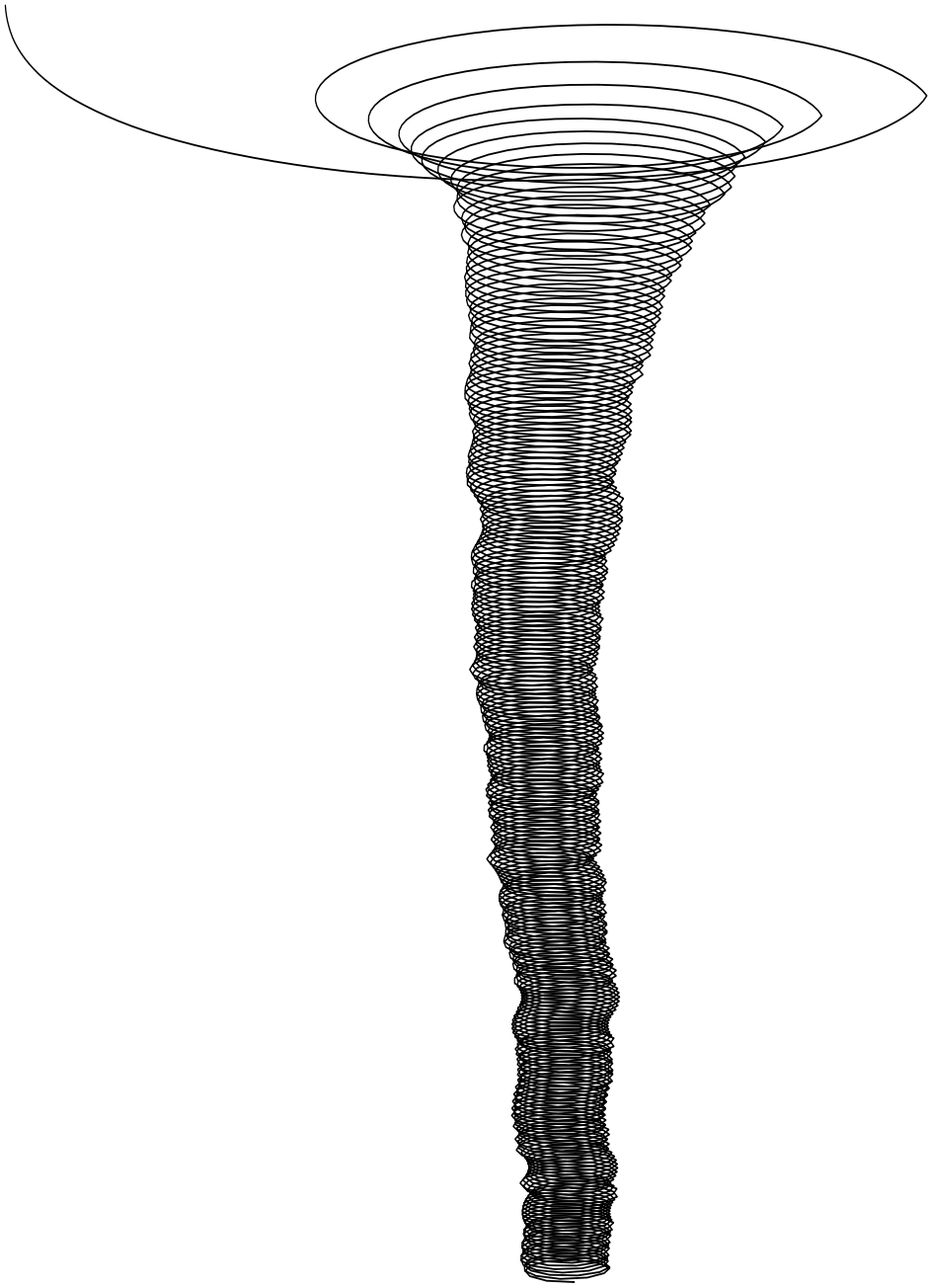






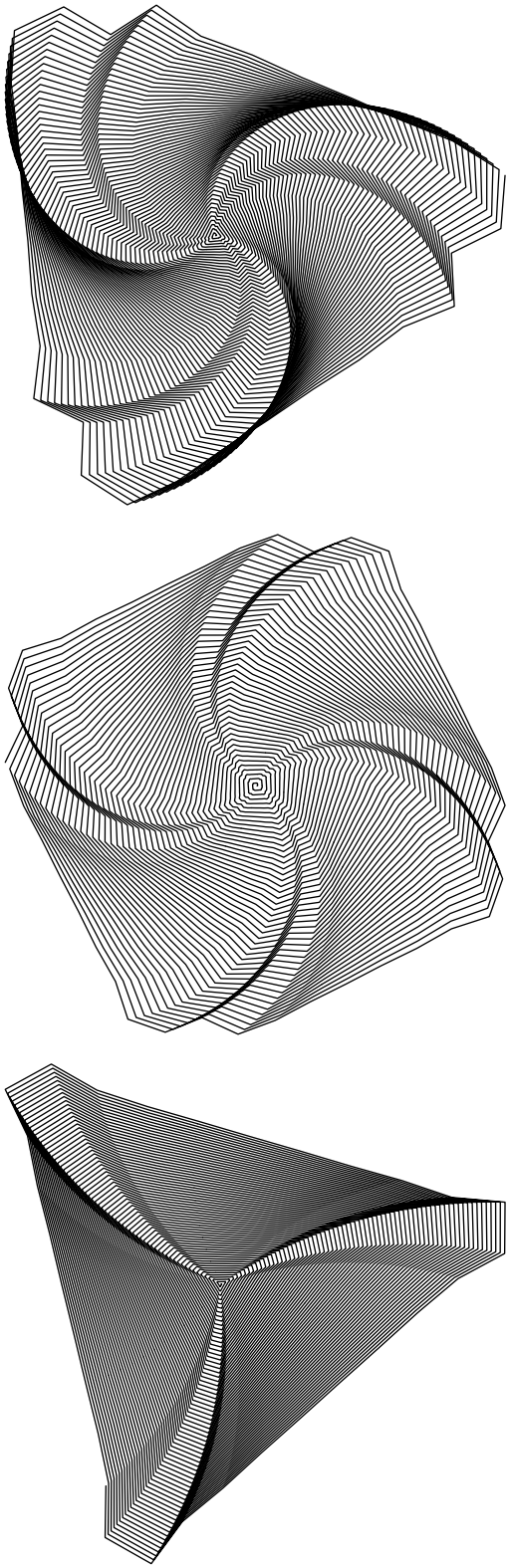
Calligraphy II

Signa in silico 2000



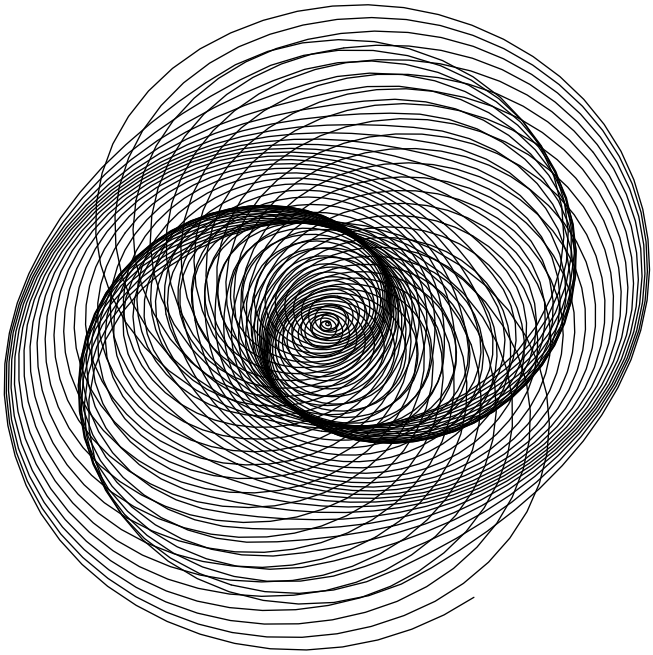
Tornado

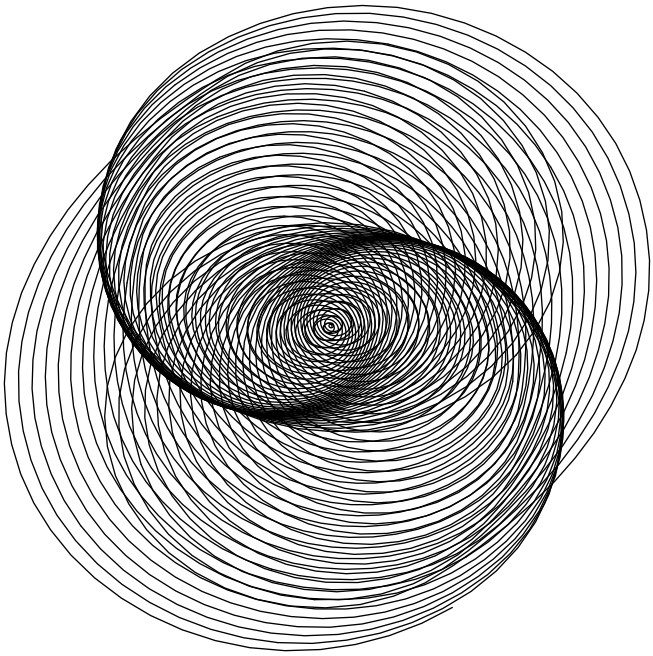
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Cross vaults

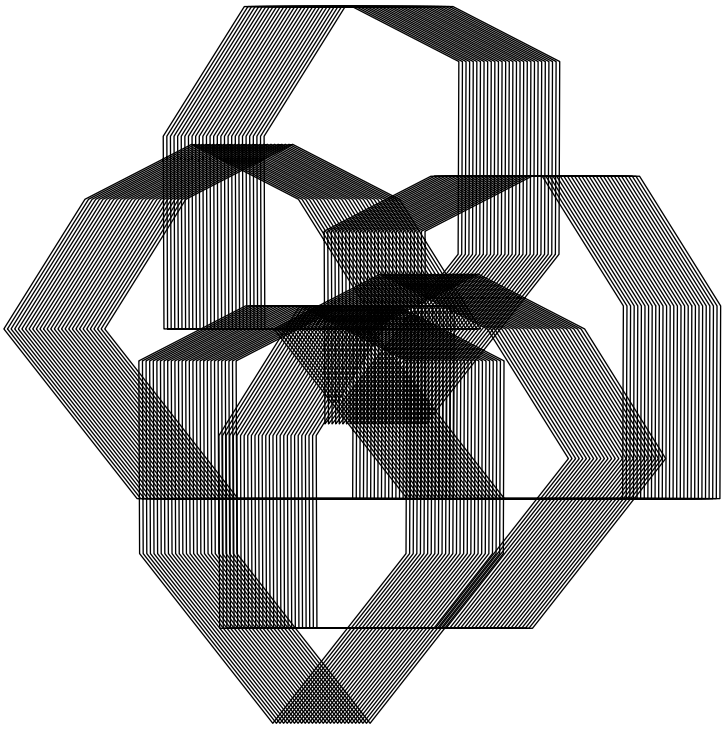
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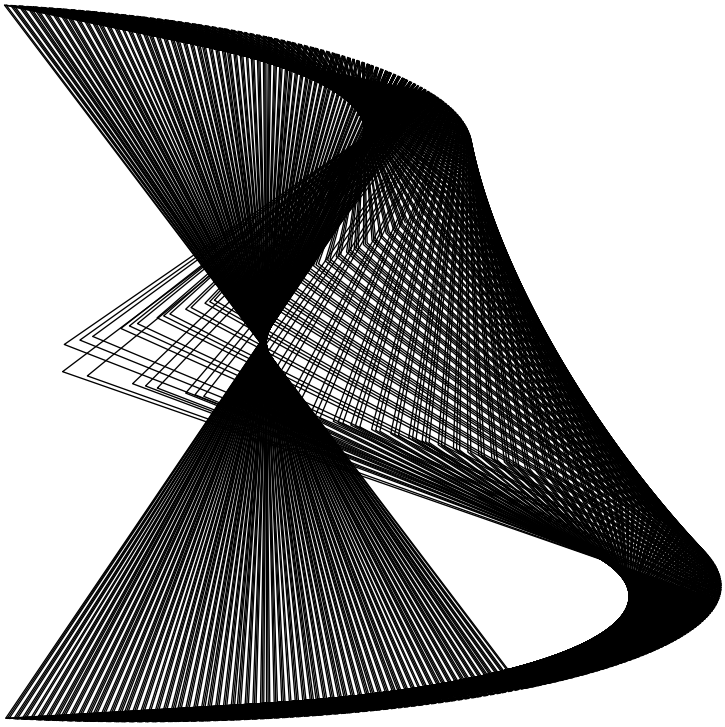
Ovalon

Signa in silico 2001



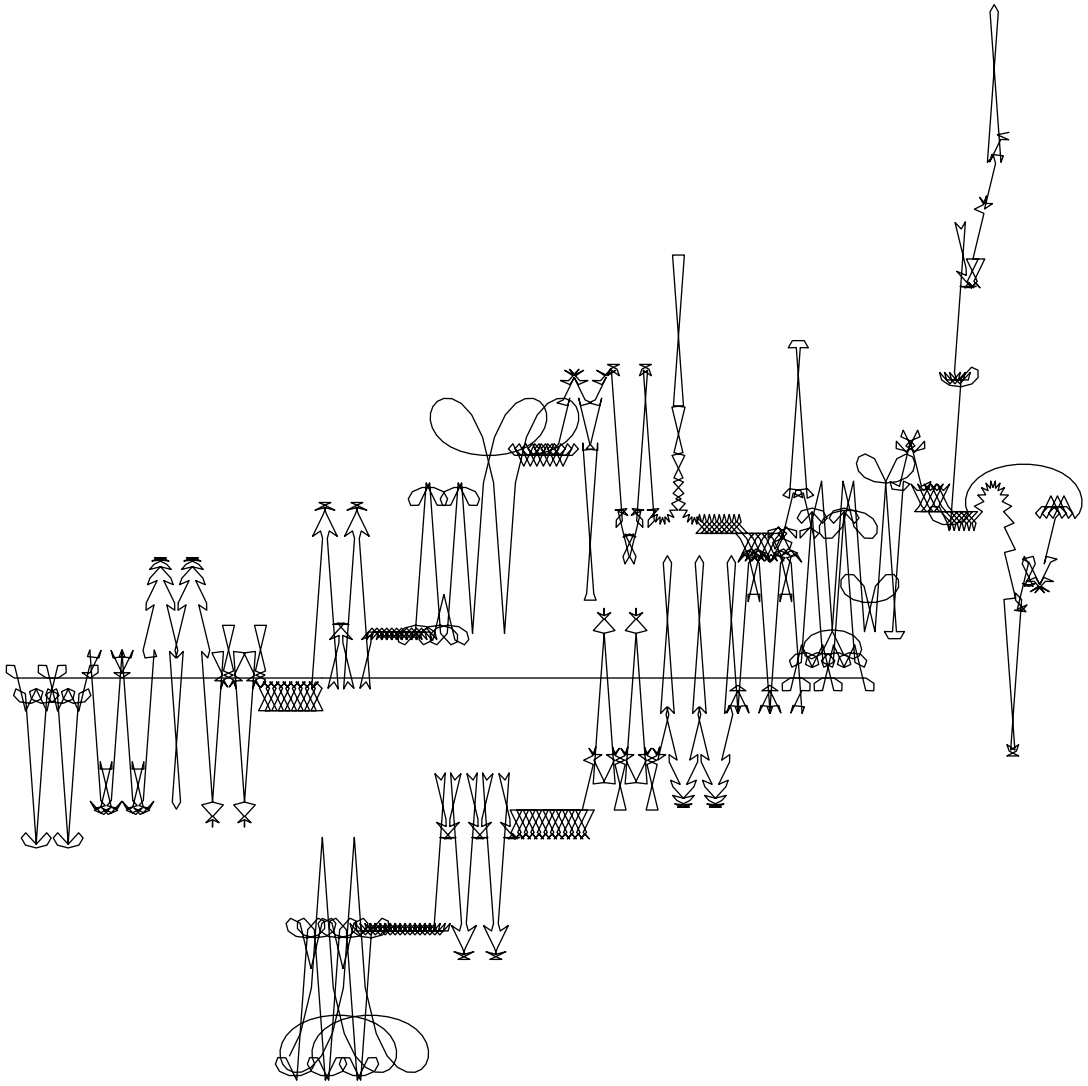
Homage to „Kunst der Fuge"

Signa in silico 2000



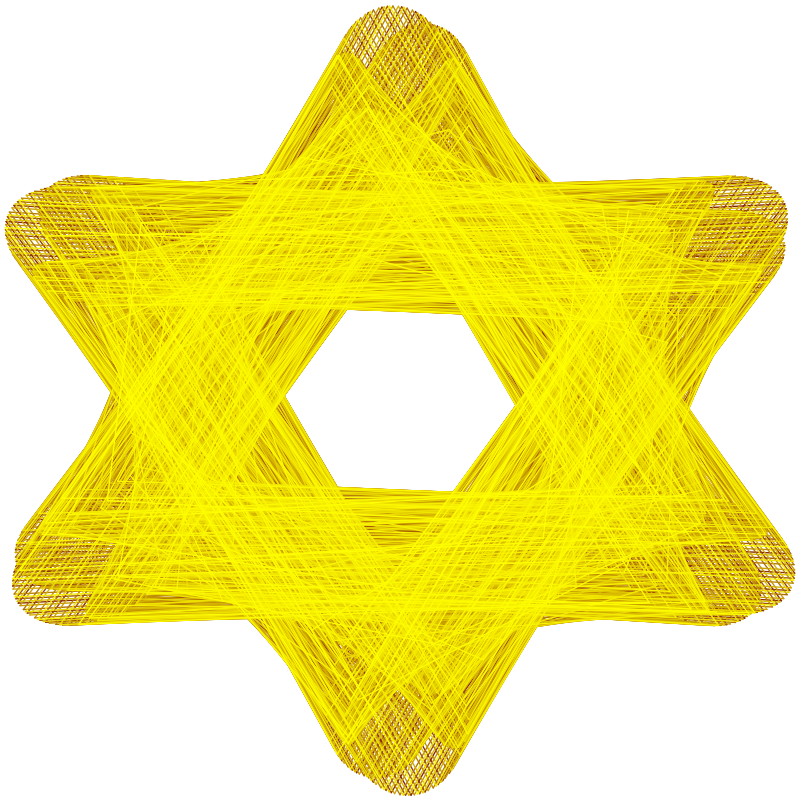
Hourglass

Signa in silico 2000



Alien scenery I

Signa in silico 2000



Synagogue

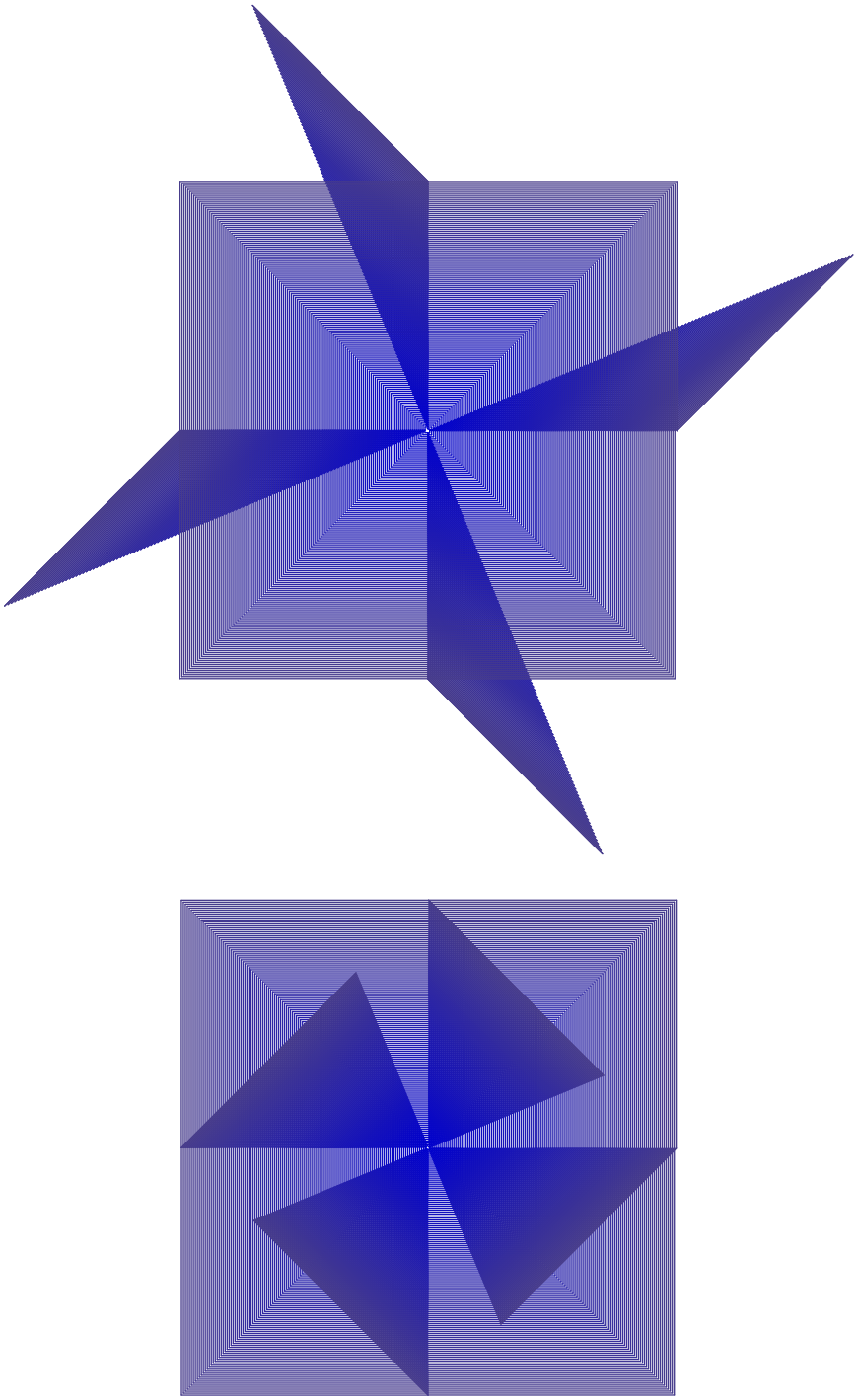
Signa in silico 2001





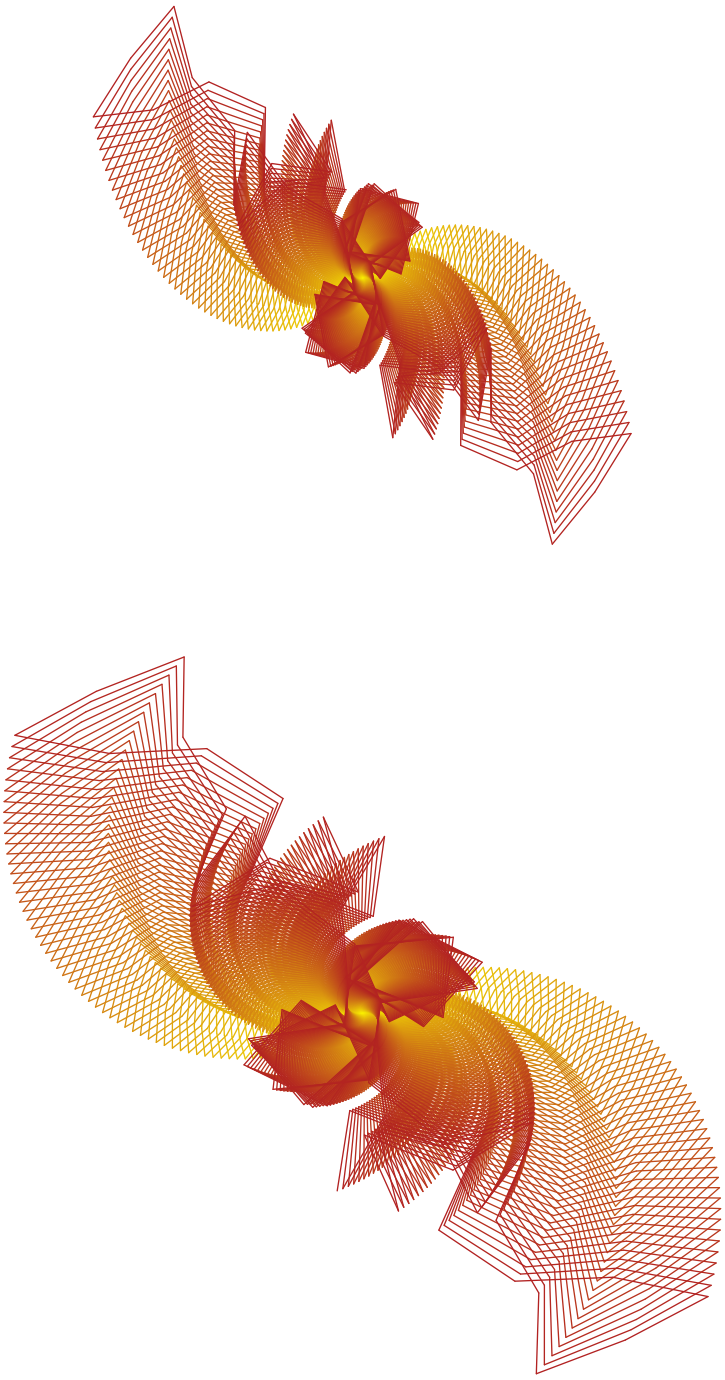
Bacchanalia

Signa in silico 2001



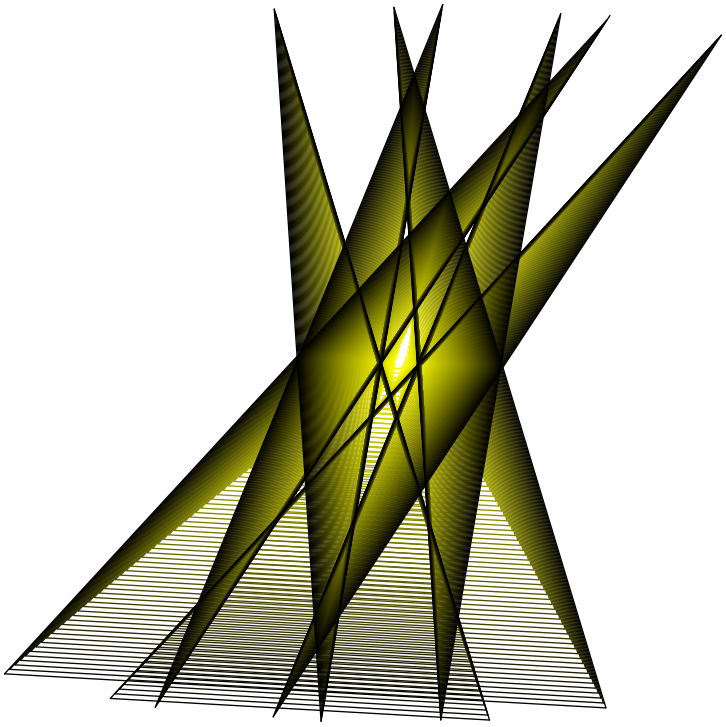
Don Quijote and Sancho Pansa

Signa in silico 2001



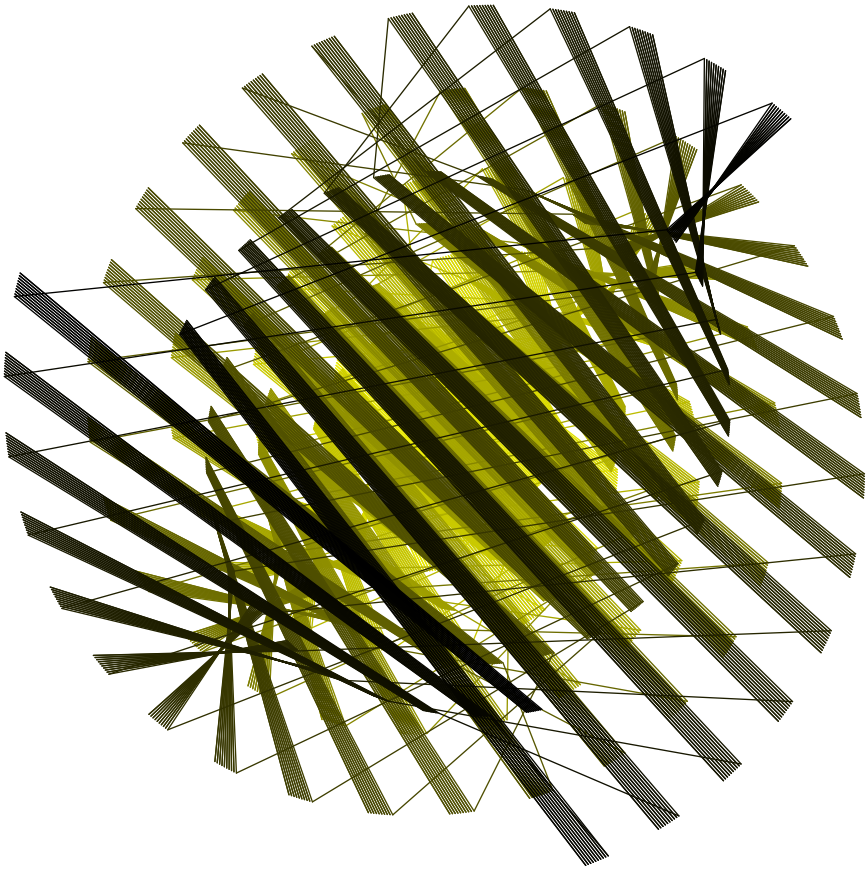
L'Oiseau de Feu

Signa in silico 2001



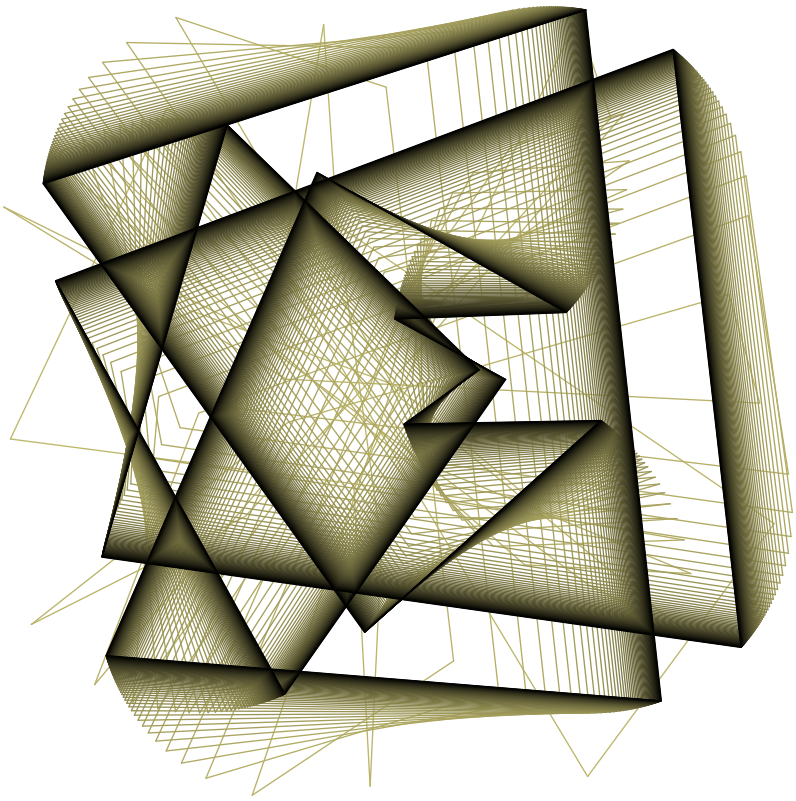
Aboriginal ornament on a Didgeridoo

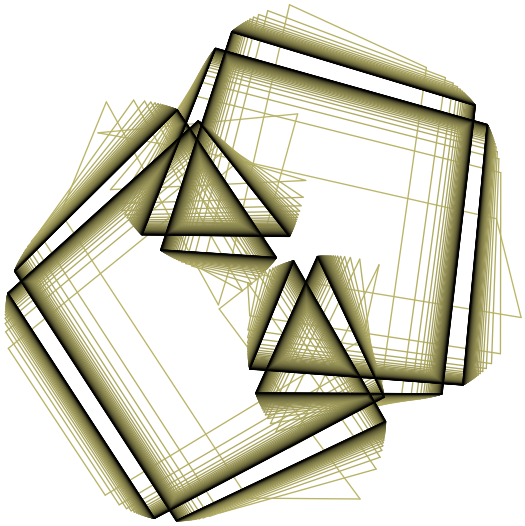
Signa in silico 2001

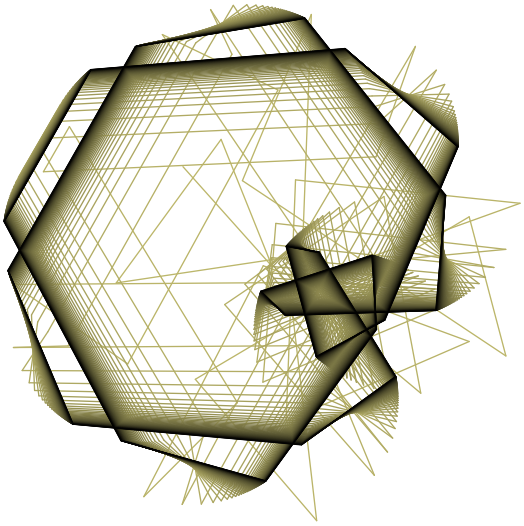


Jalousie

Signa in silico 2001

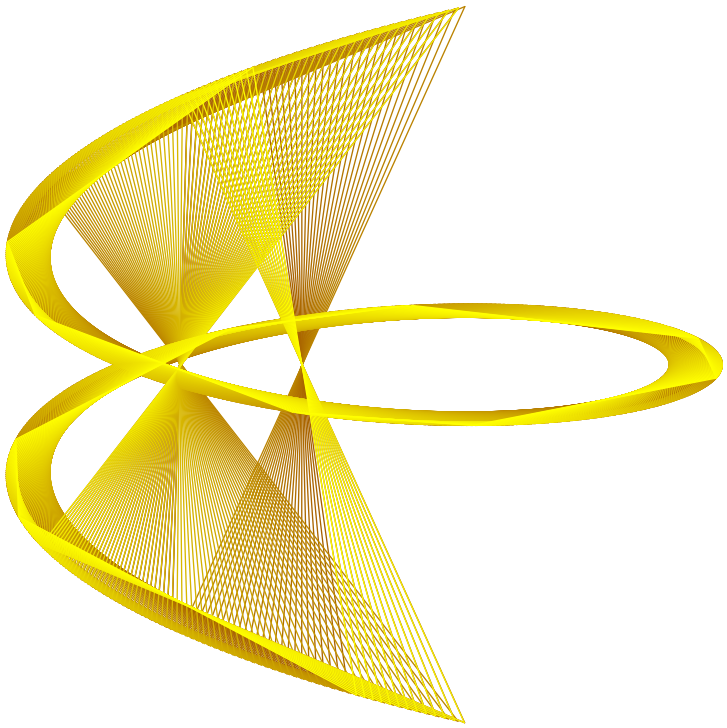






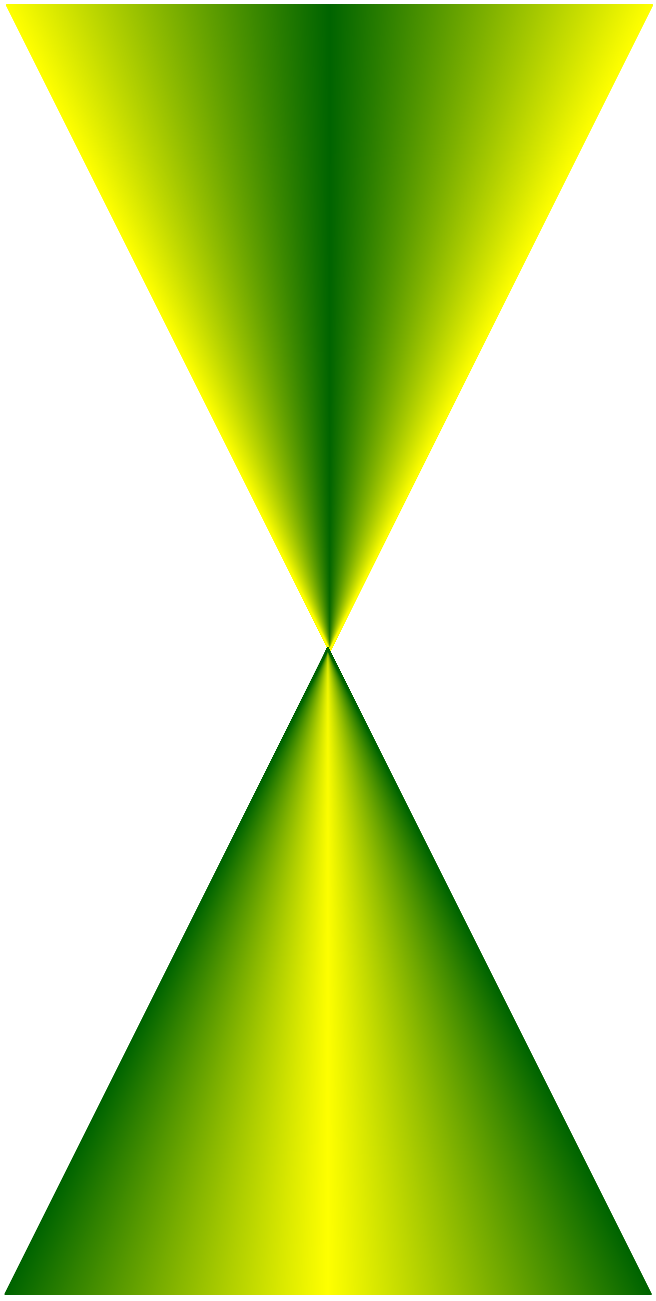
Algorithmicon

Signa in silico 2001



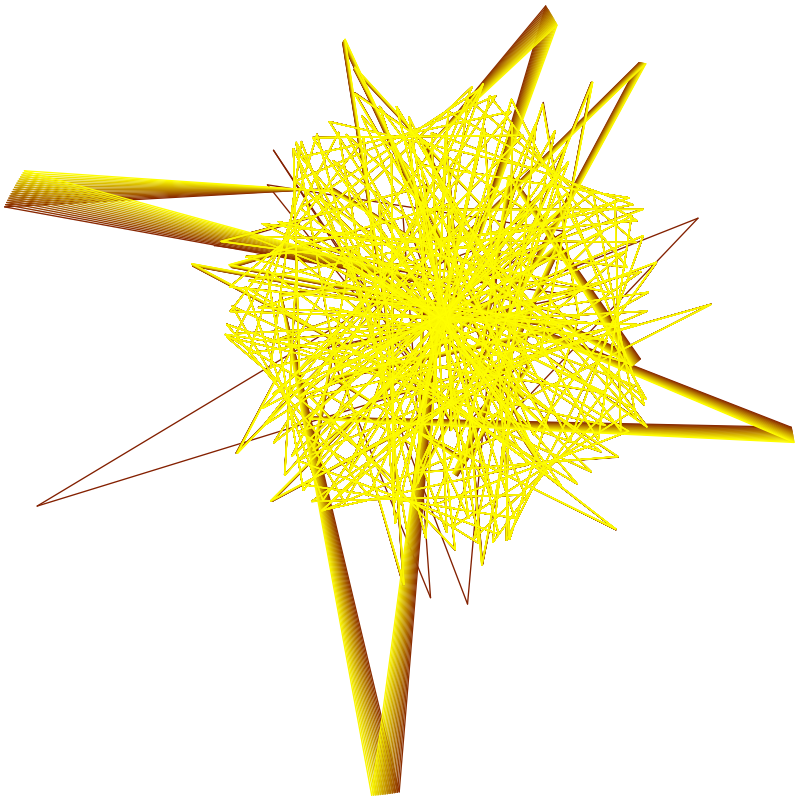
Sanctus

Signa in silico 2001



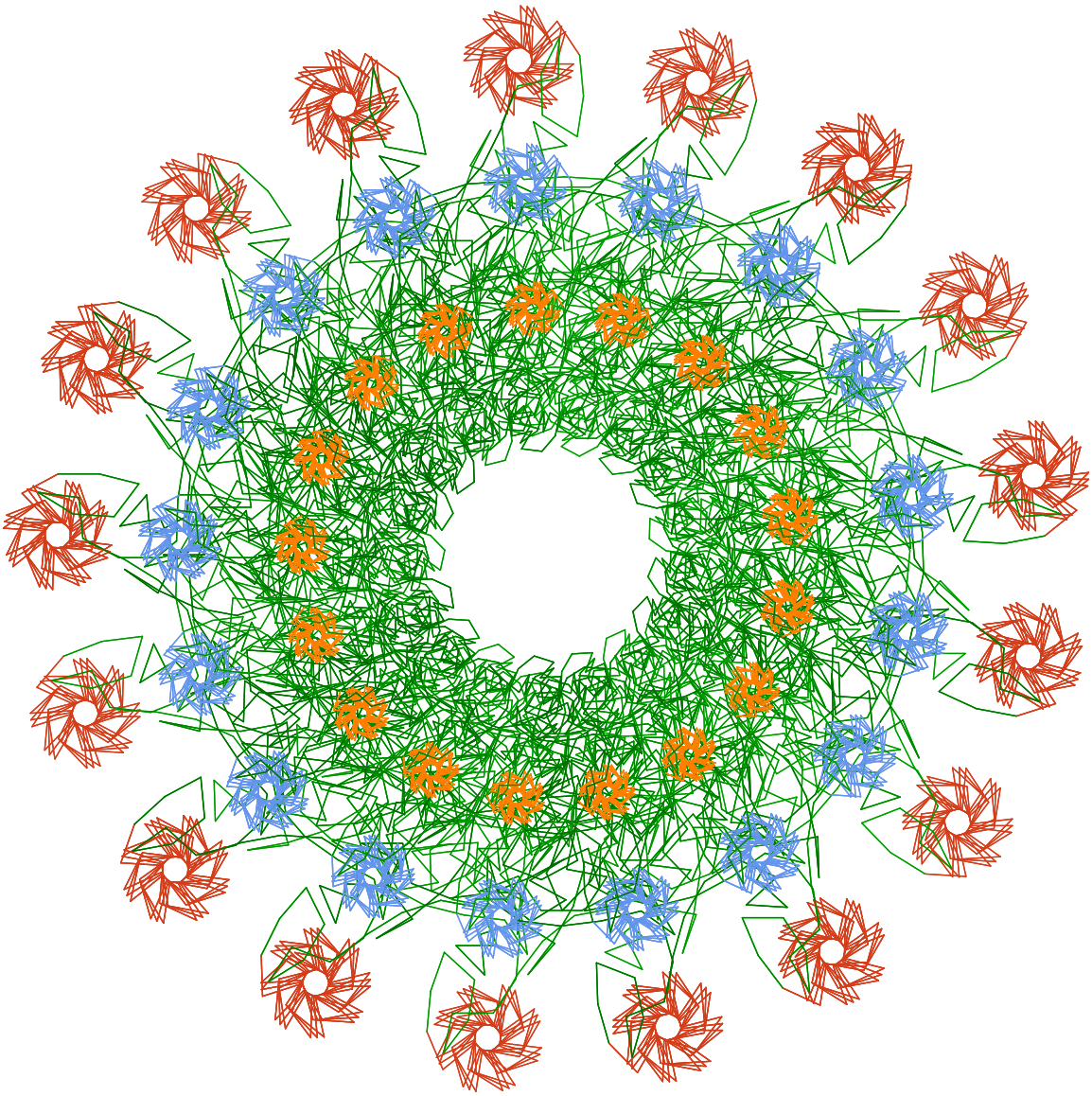
Inversion

Signa in silico 2001



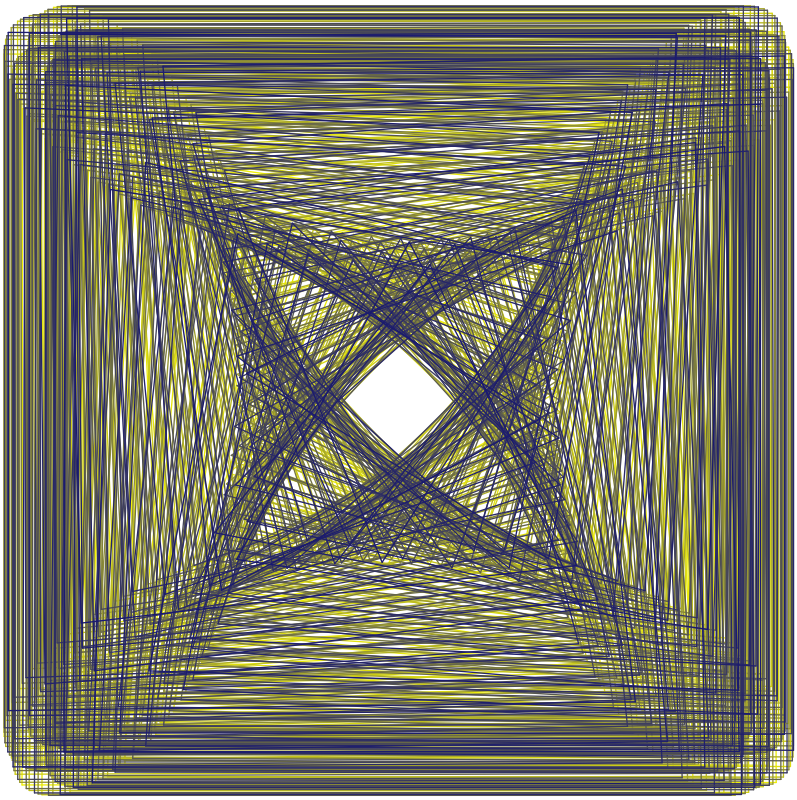
Hope

Signa in silico 2001



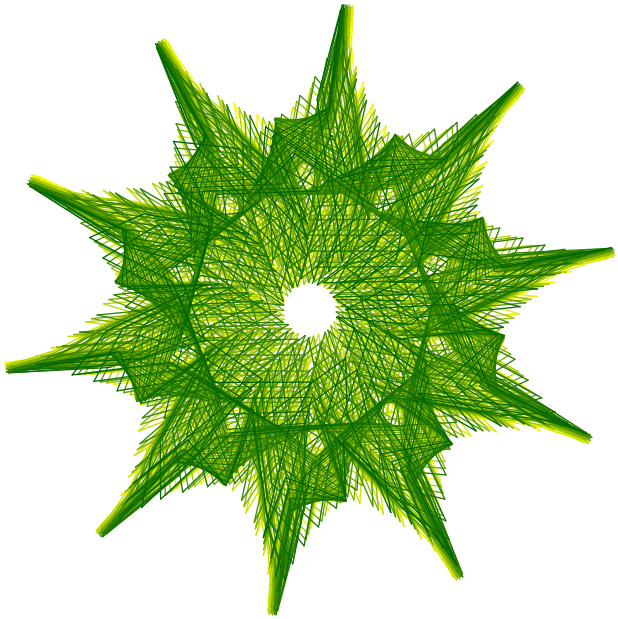
Matrjoschka

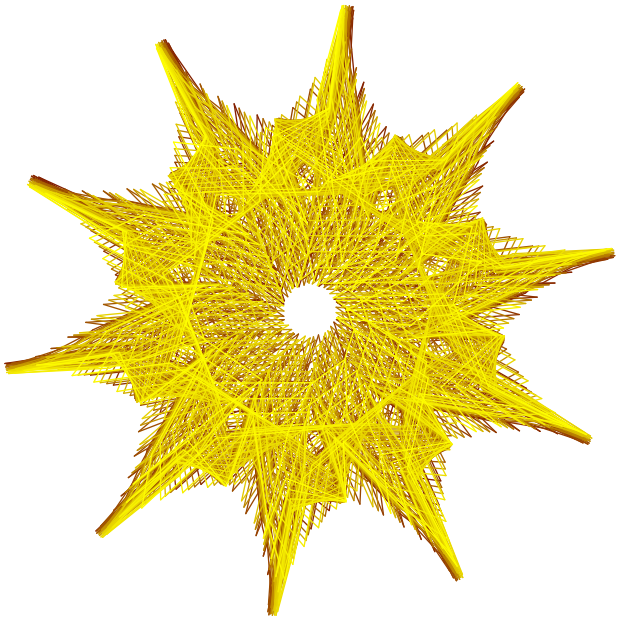
Signa in silico 2001



Memento mori

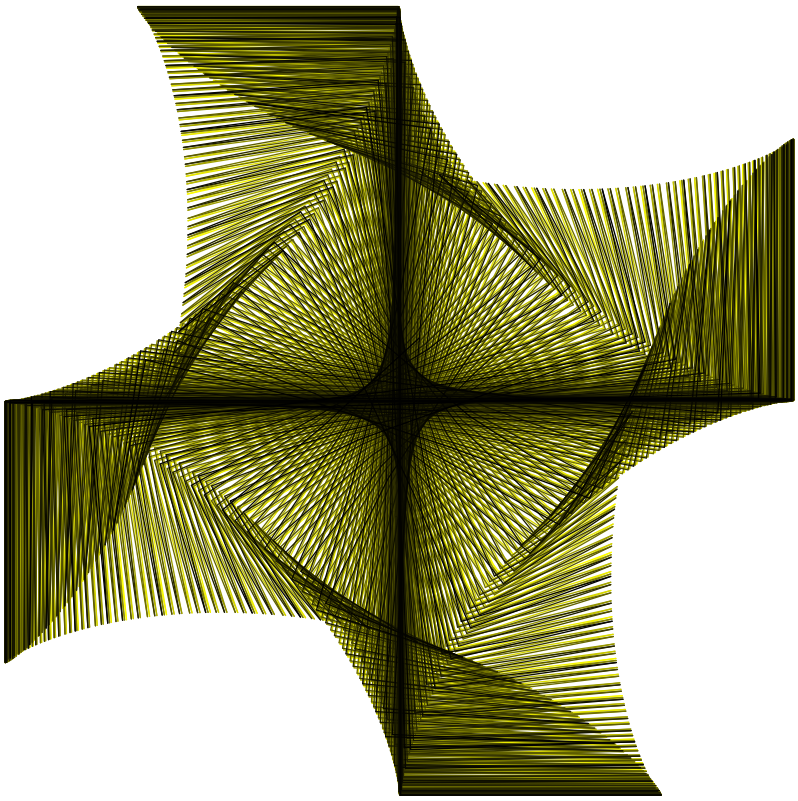
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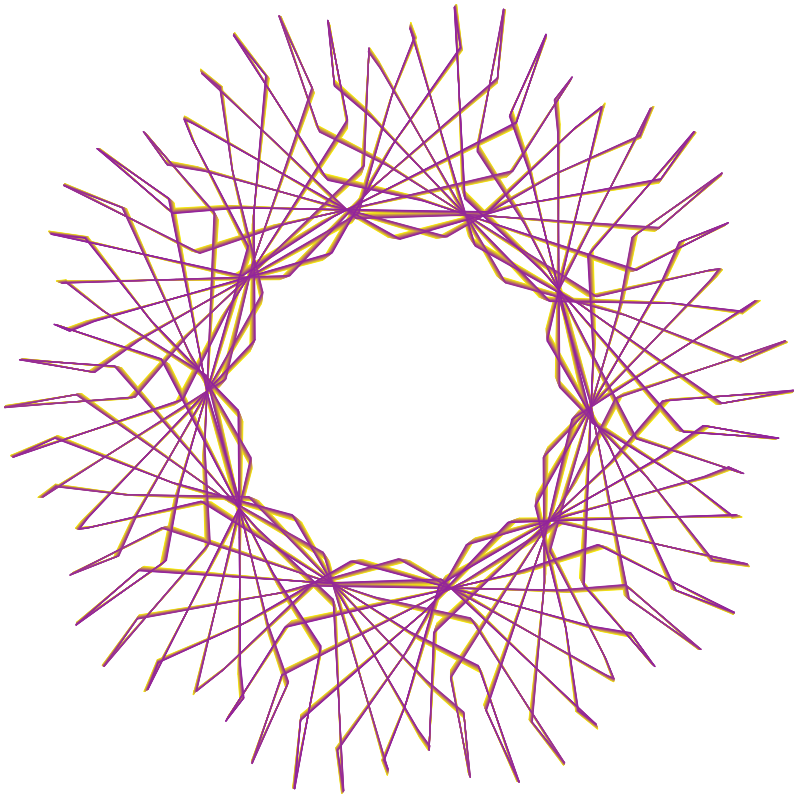
Medal–Stars

Signa in silico 2001



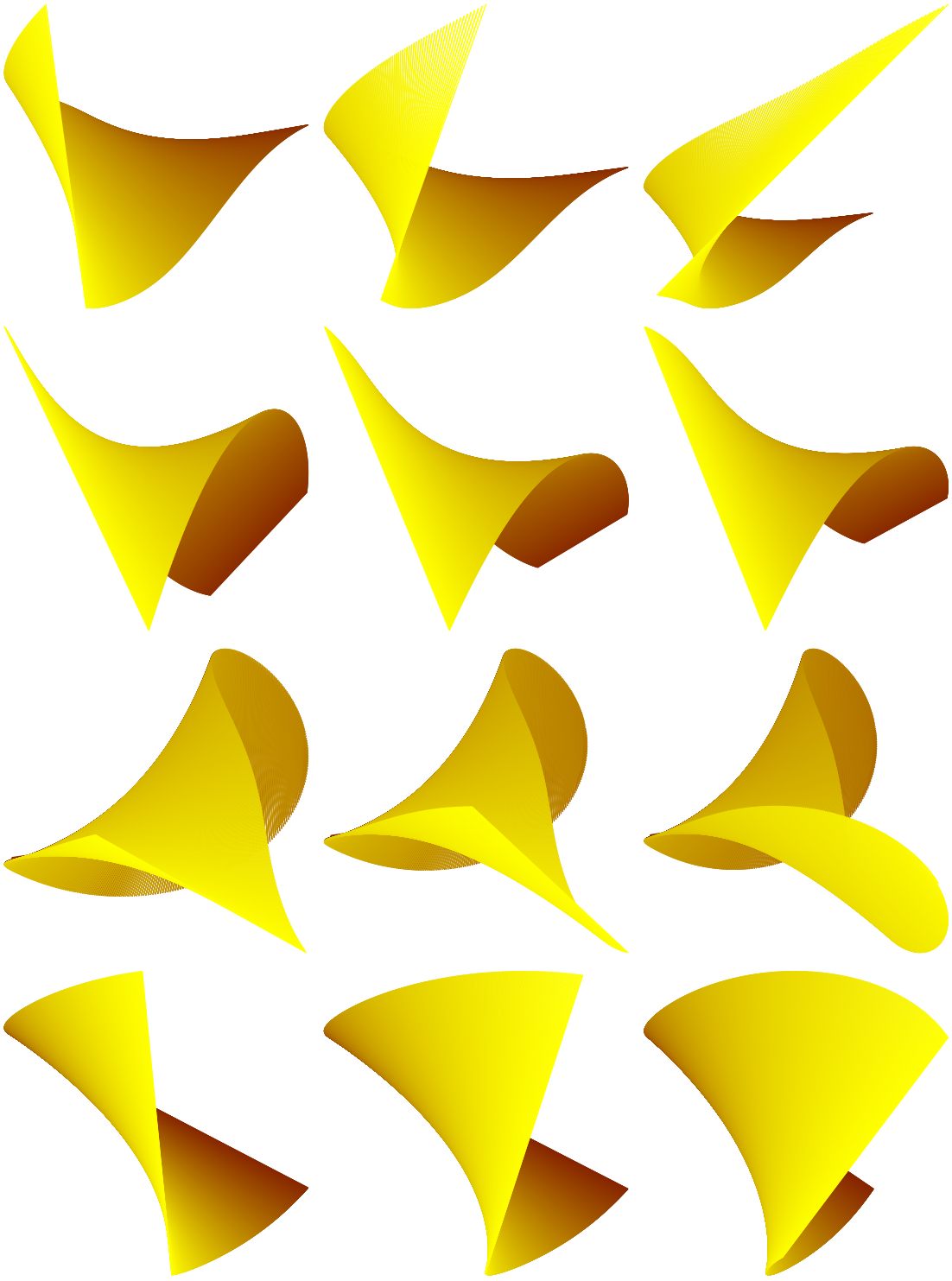
The phantom menace I

Signa in silico 2001



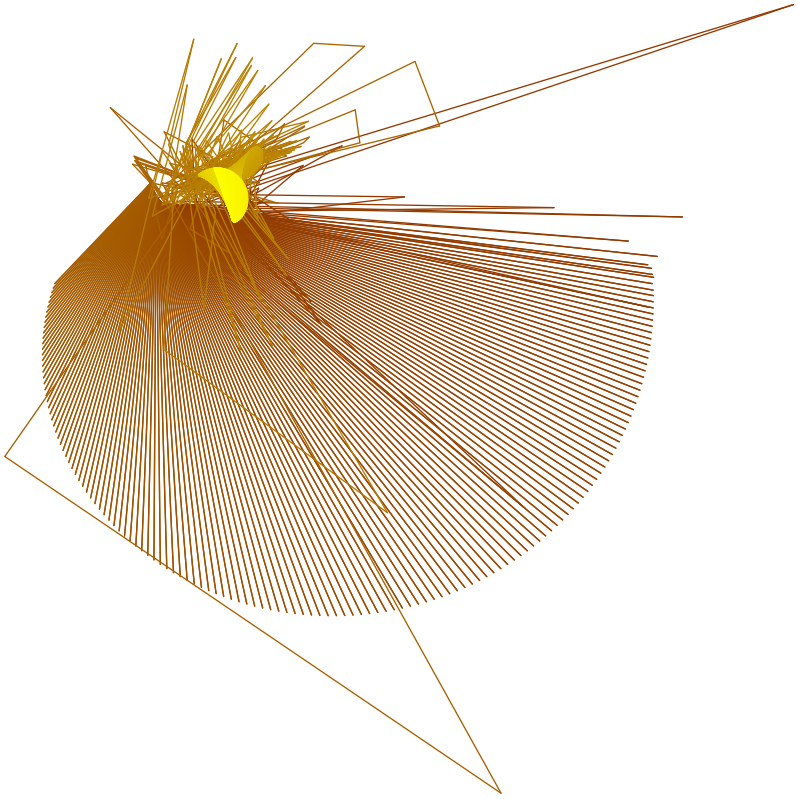
Spider's dance

Signa in silico 2001



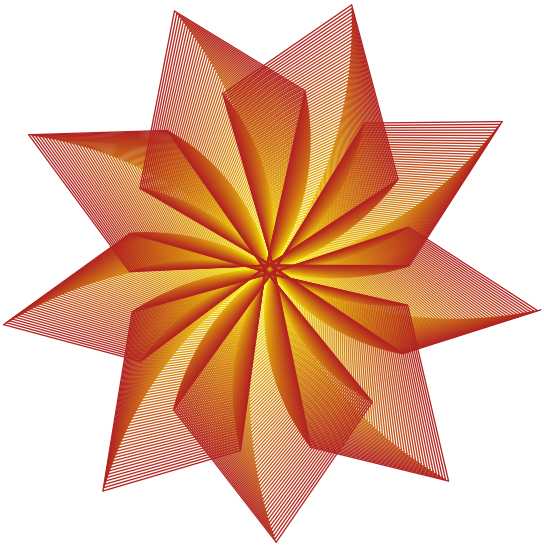
Curved surfaces

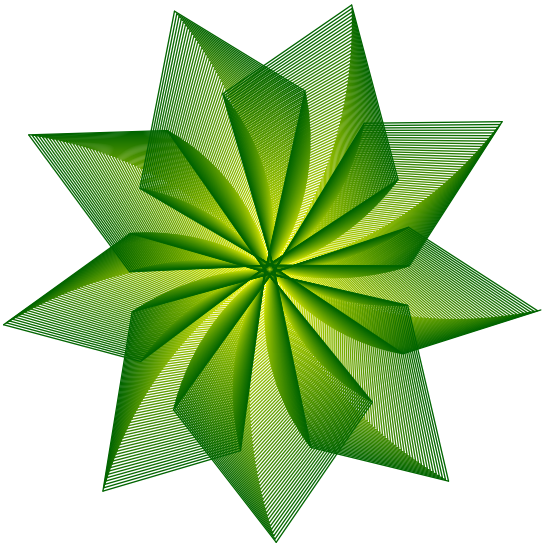
Signa in silico 2001



Picture puzzle

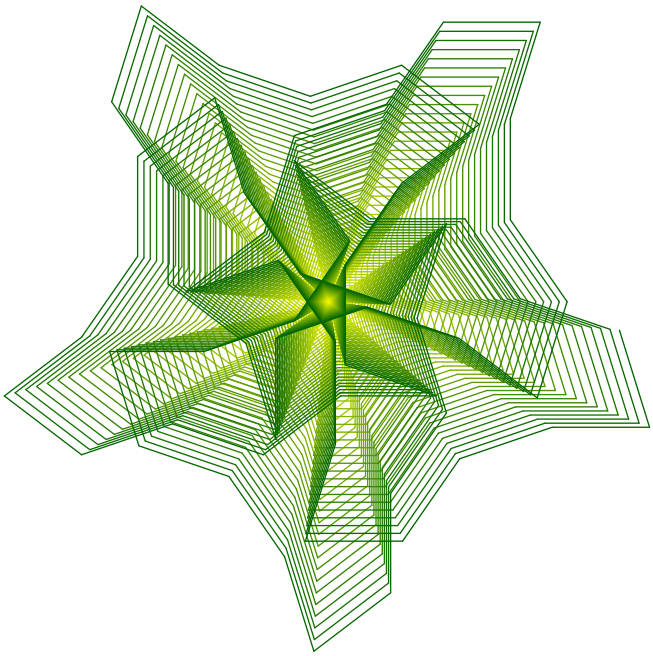
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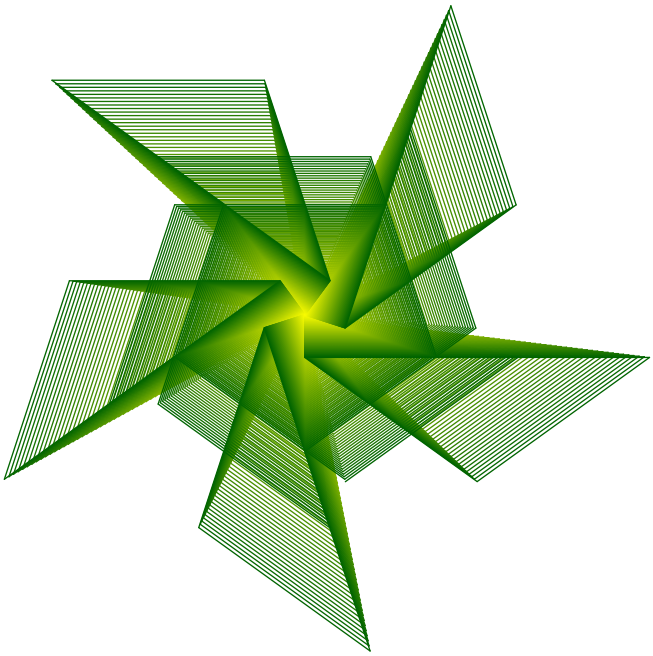


Sigillum secretum

Signa in silico 2001



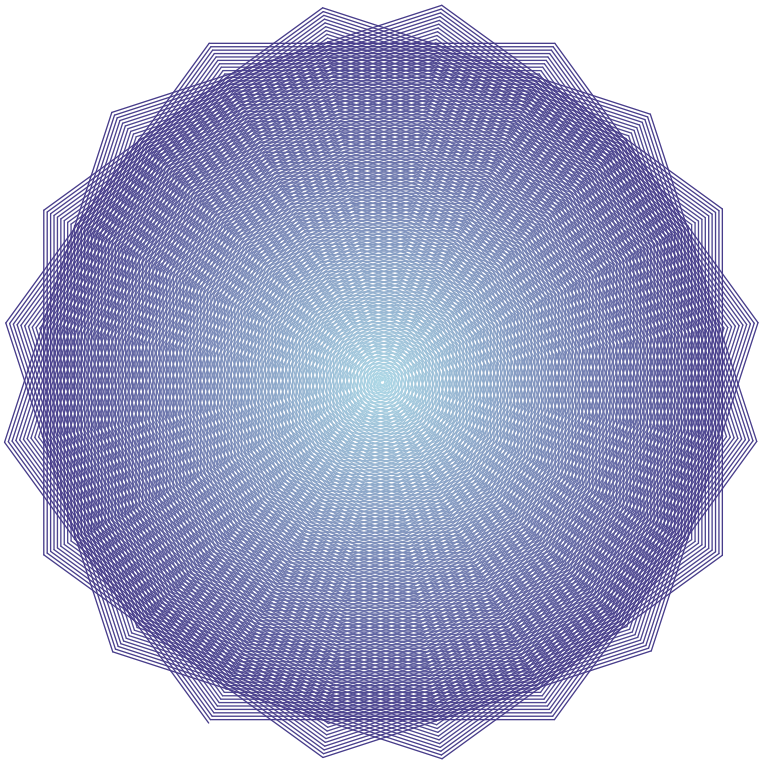
Gungan subdrive



Naboo hyperdrive

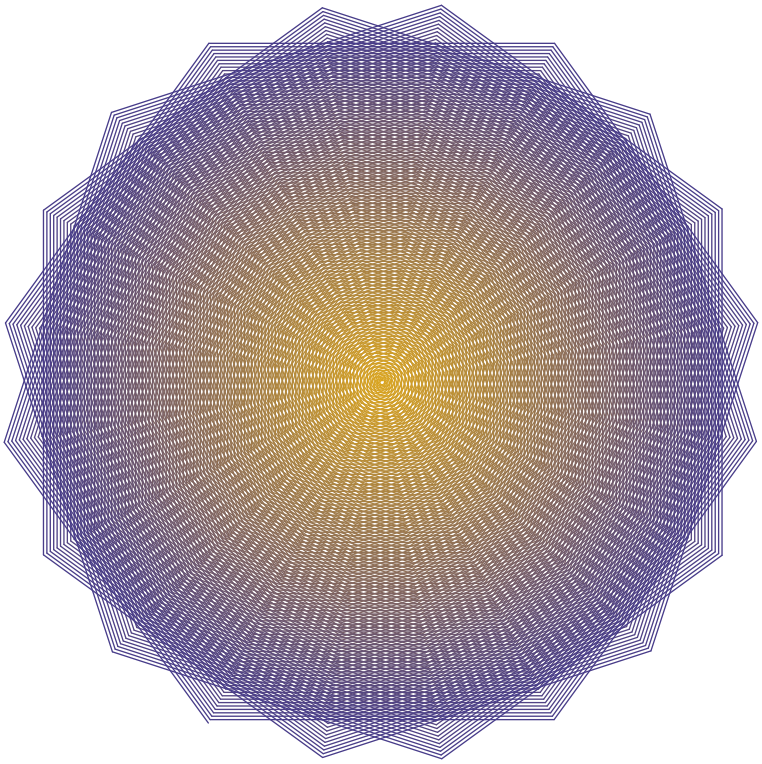
The Phantom Menace

Signa in silico 2001



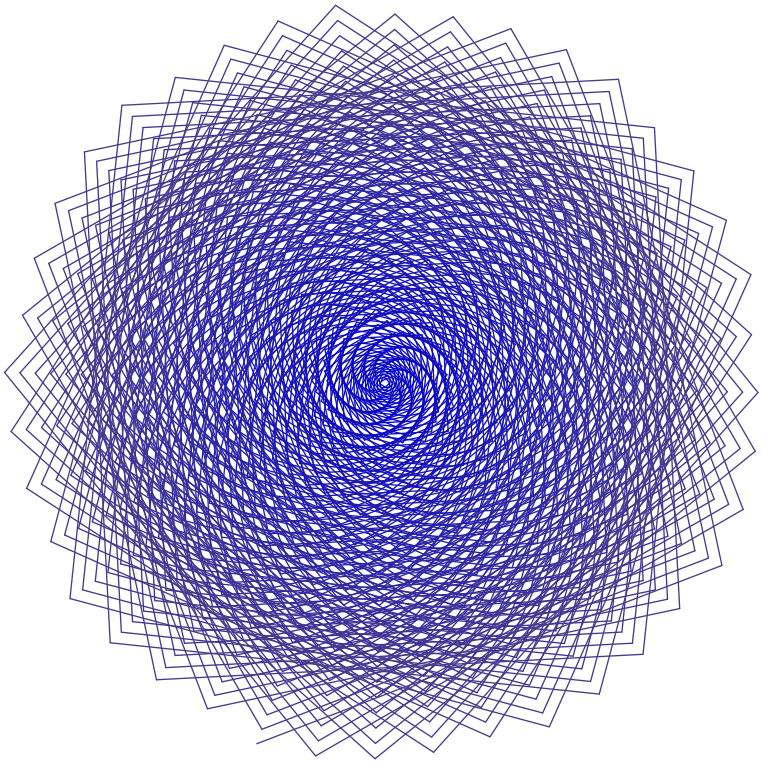
Chants of water I

Signa in silico 2001



Chants of water II

Signa in silico 2001



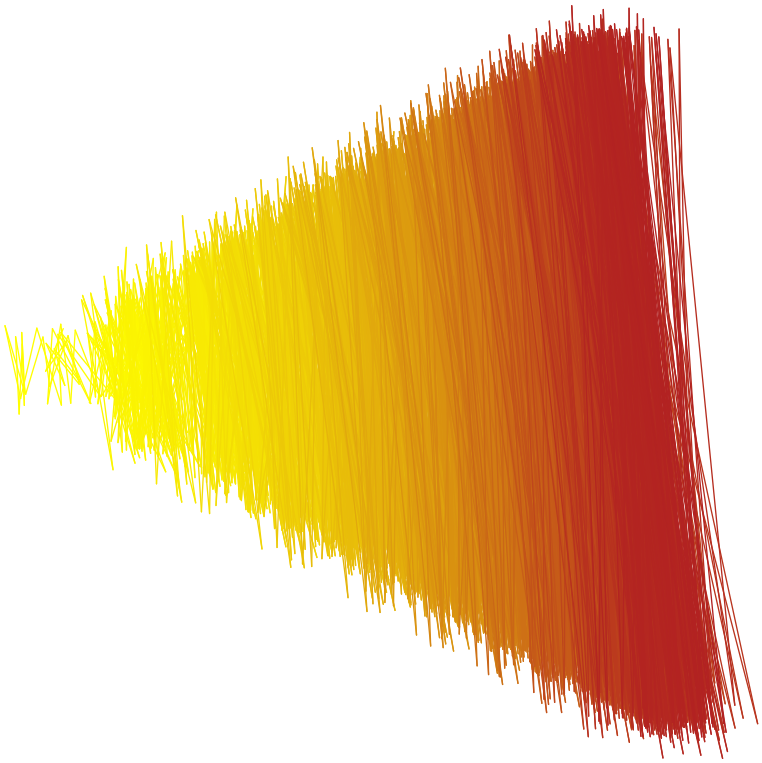
Chants of water III

Signa in silico 2001



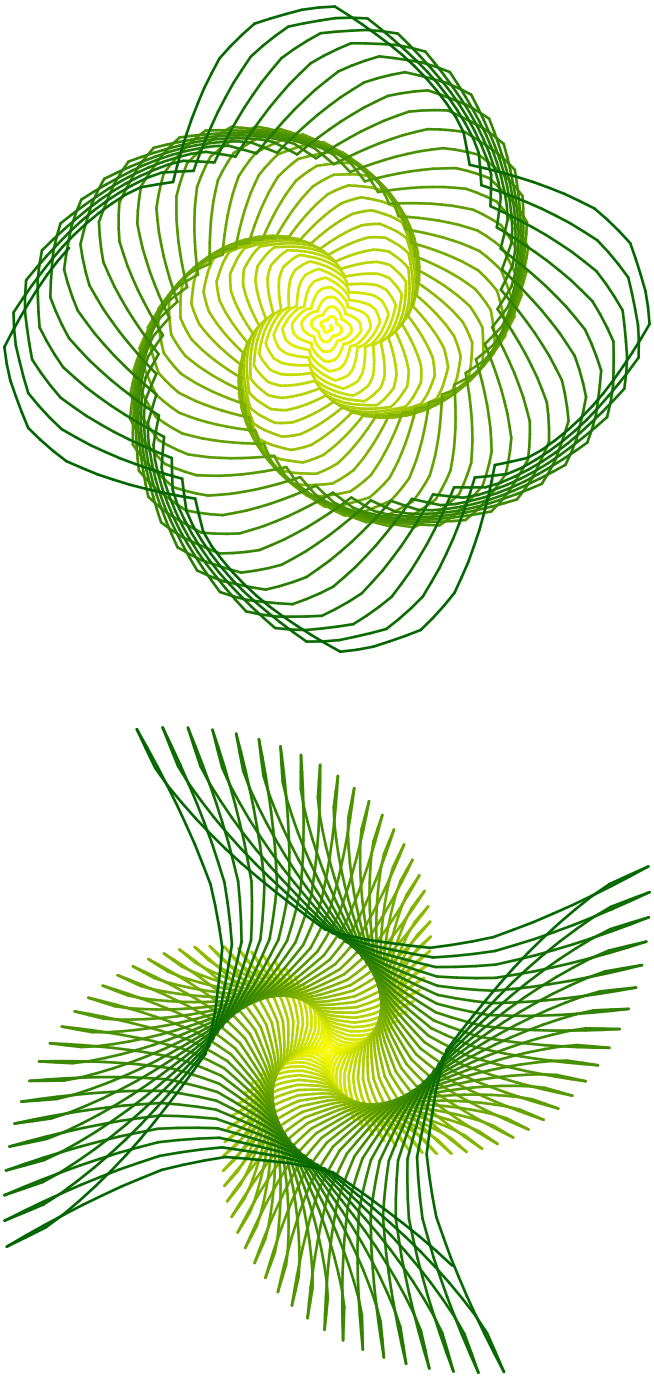
Gothic insect collection

Signa in silico 2001



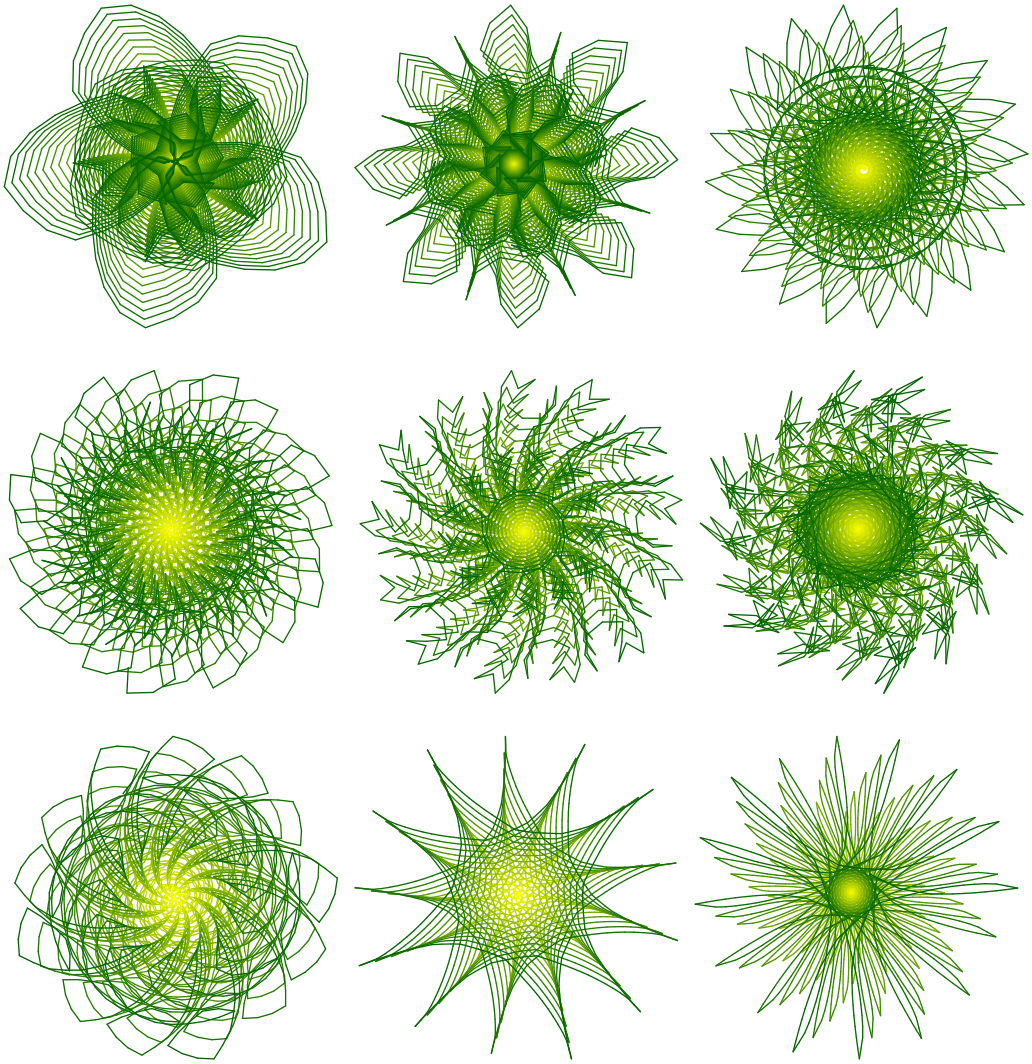
Vincent

Signa in silico 2001



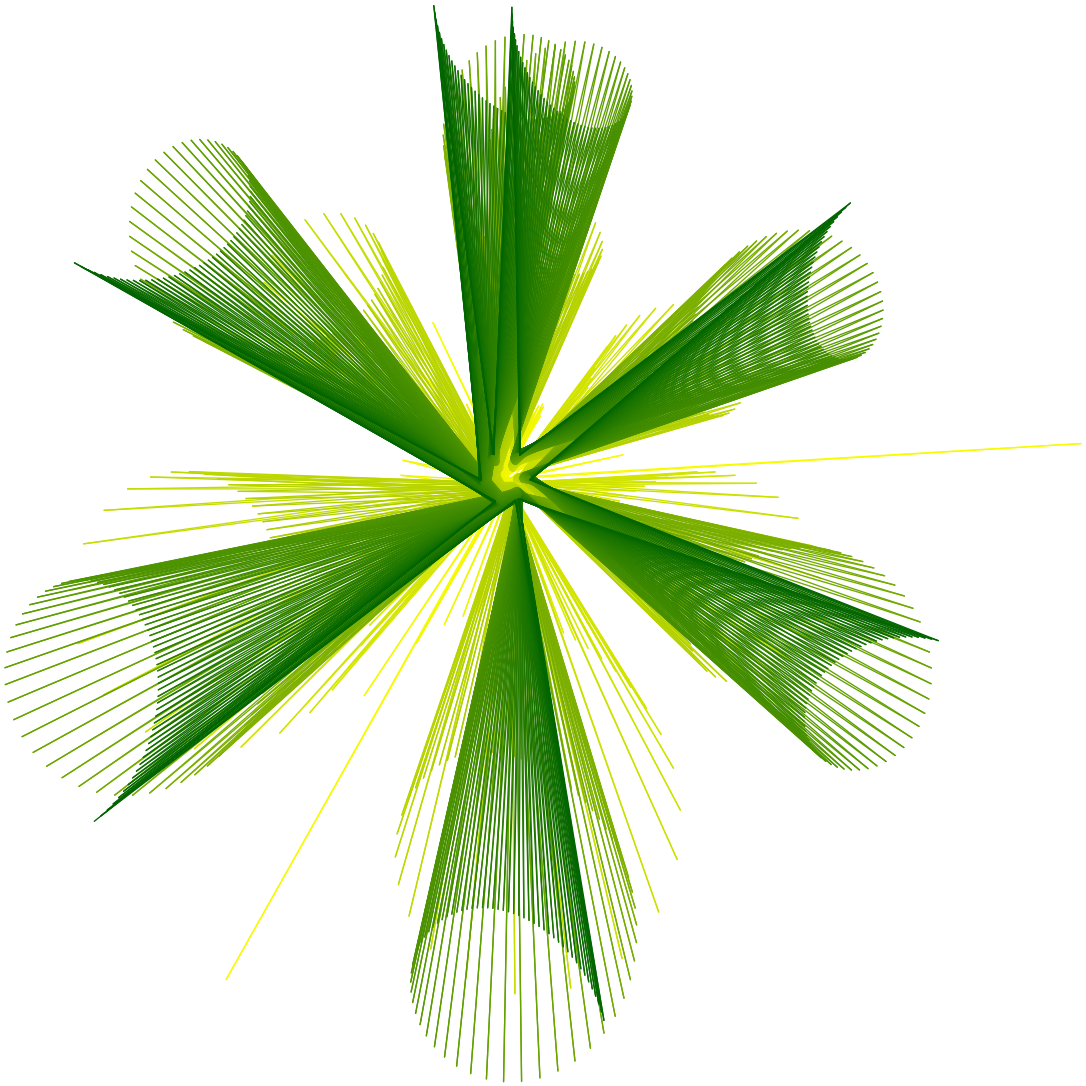
Forward – backward

Signa in silico 2001



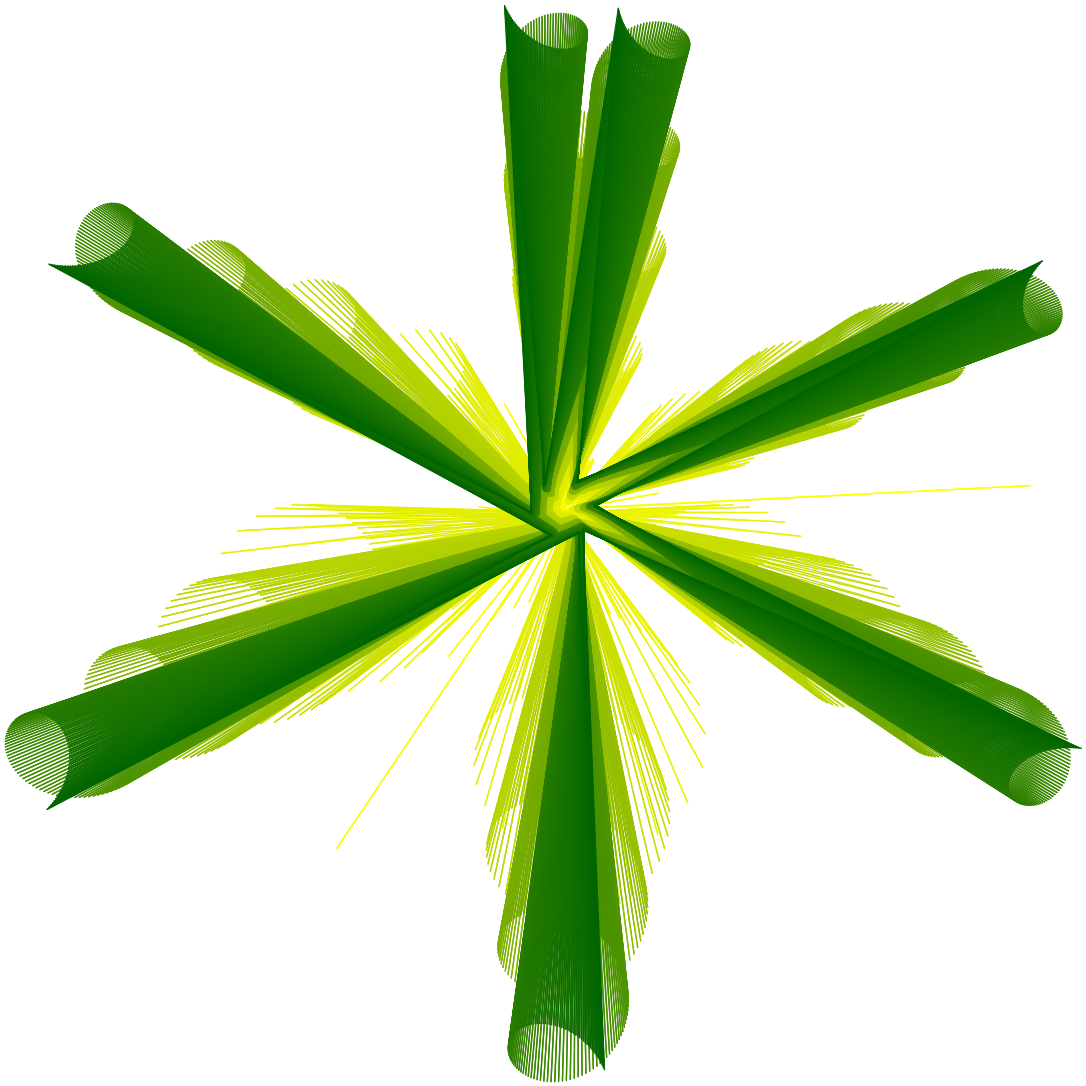
Pictures on a Japanese jewellery box

Signa in silico 2001



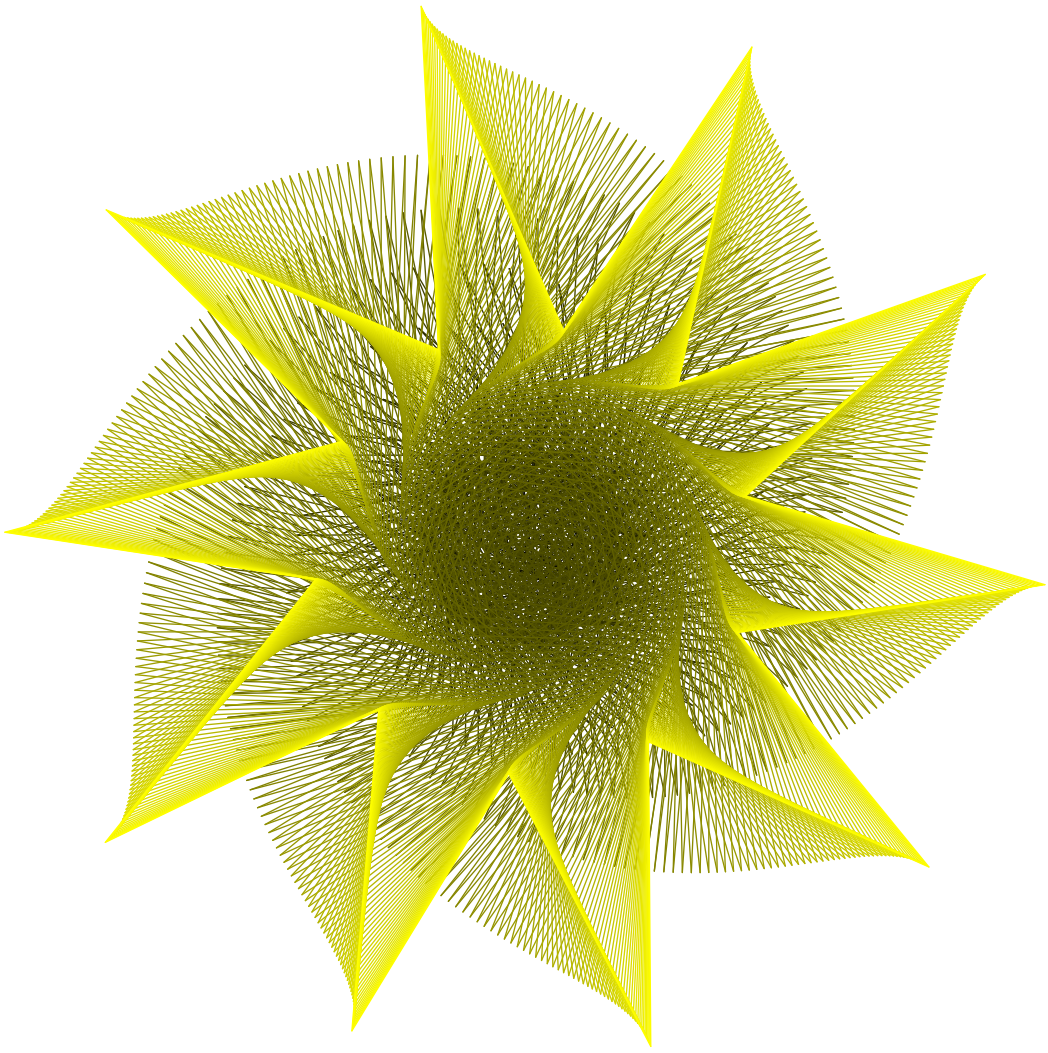
Dyne I

Signa in silico 2001



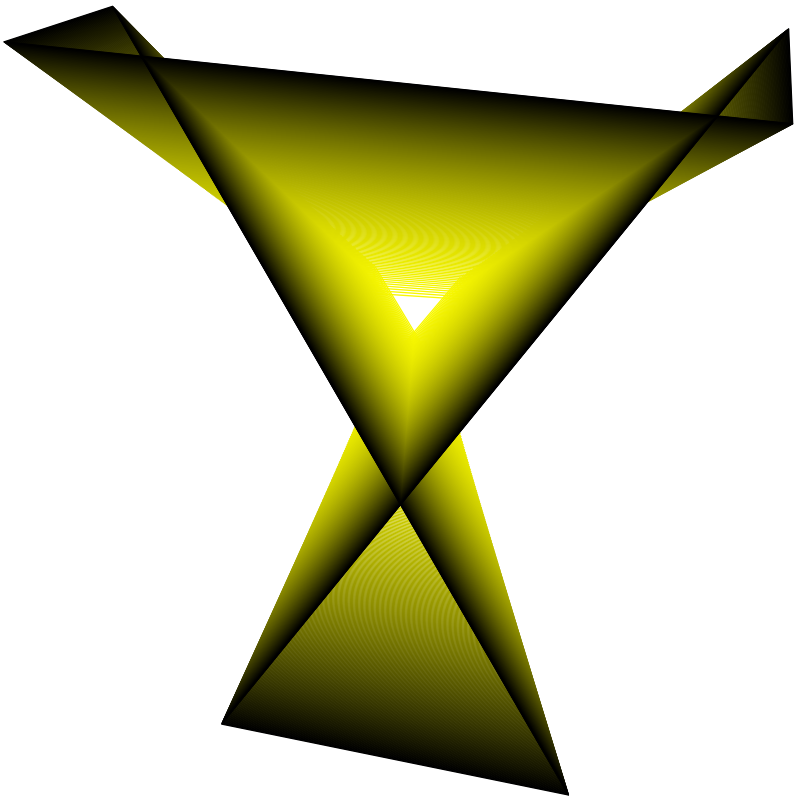
Dyne II

Signa in silico 2001

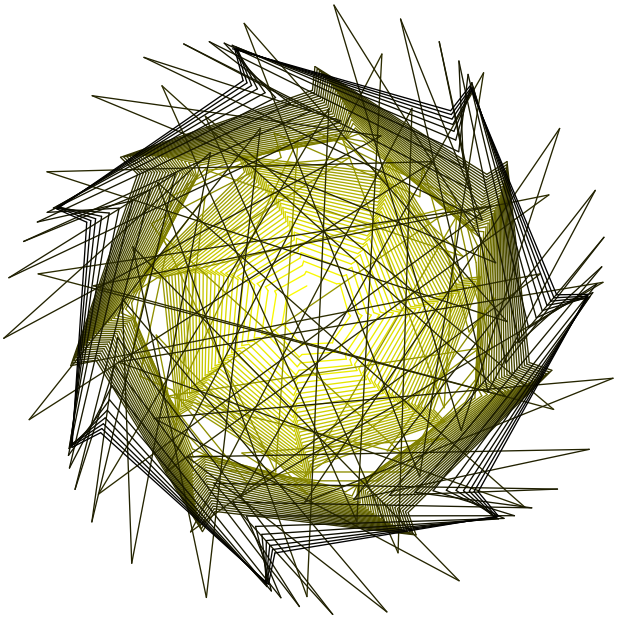


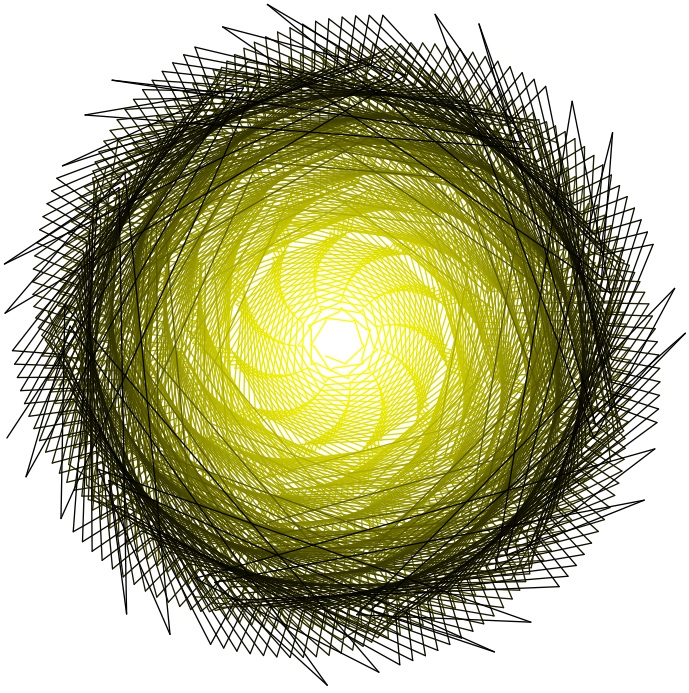
Fantasy IV

Signa in silico 2001



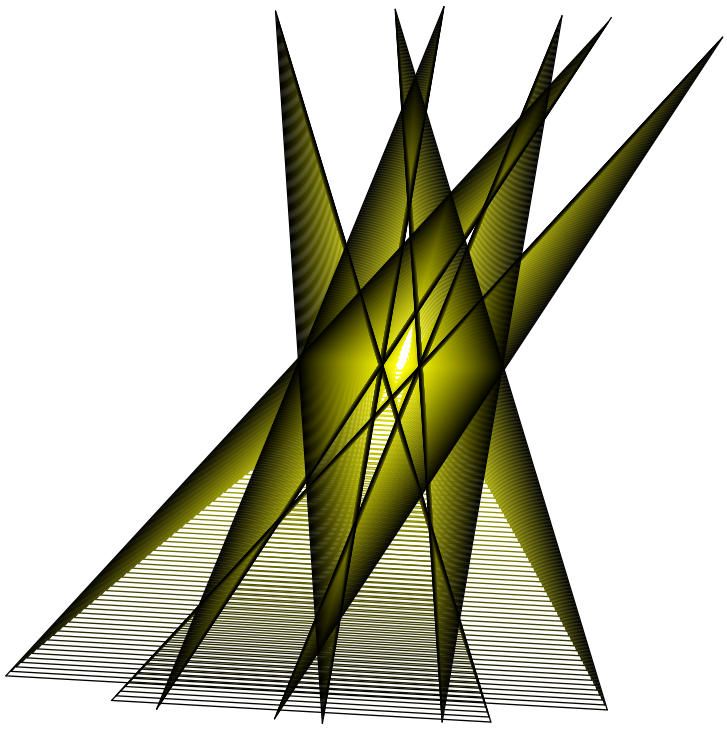
KōanSigna in silico 2001





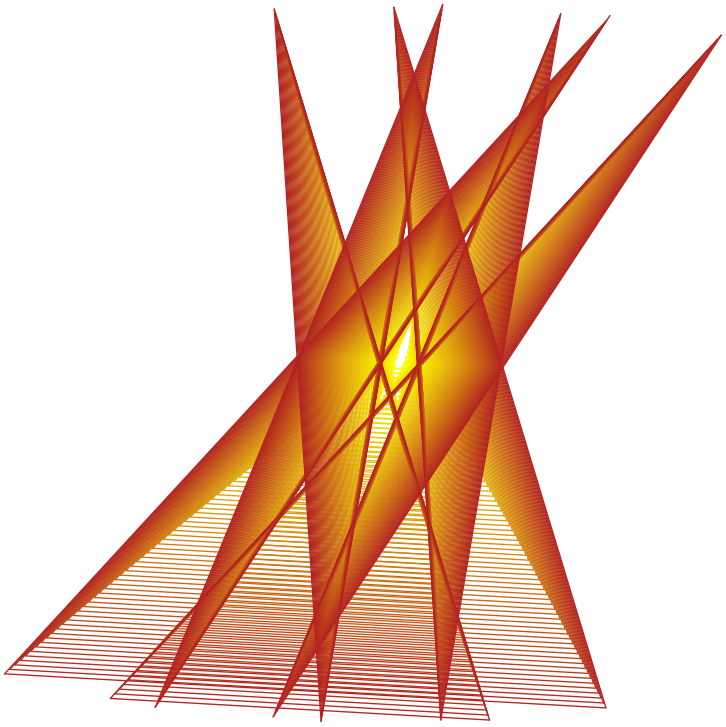
The way of the Buddha

Signa in silico 2001



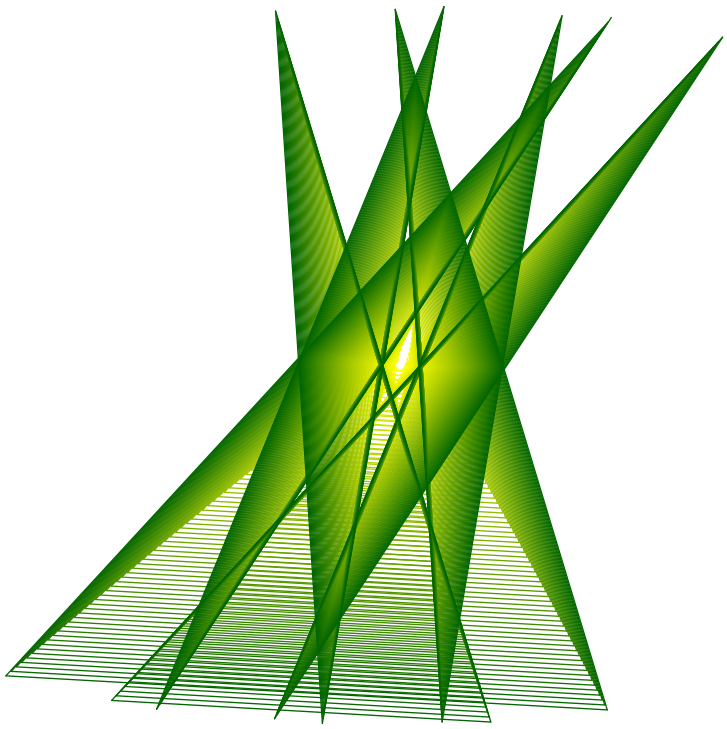
Aboriginal ornament on a Didgeridoo

Signa in silico 2001



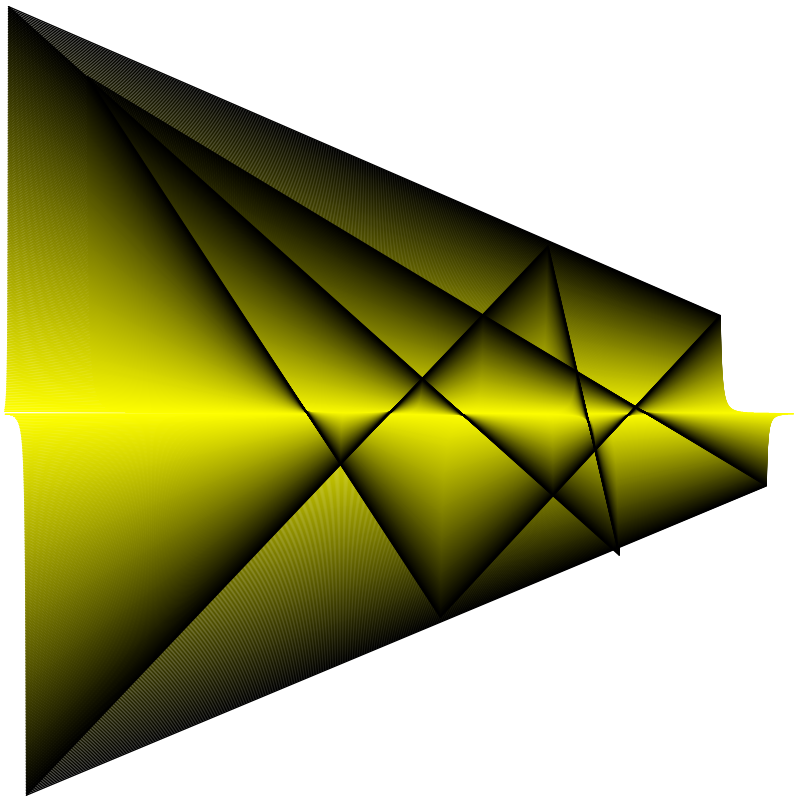
Aboriginal ornament on a Didgeridoo

Signa in silico 2001



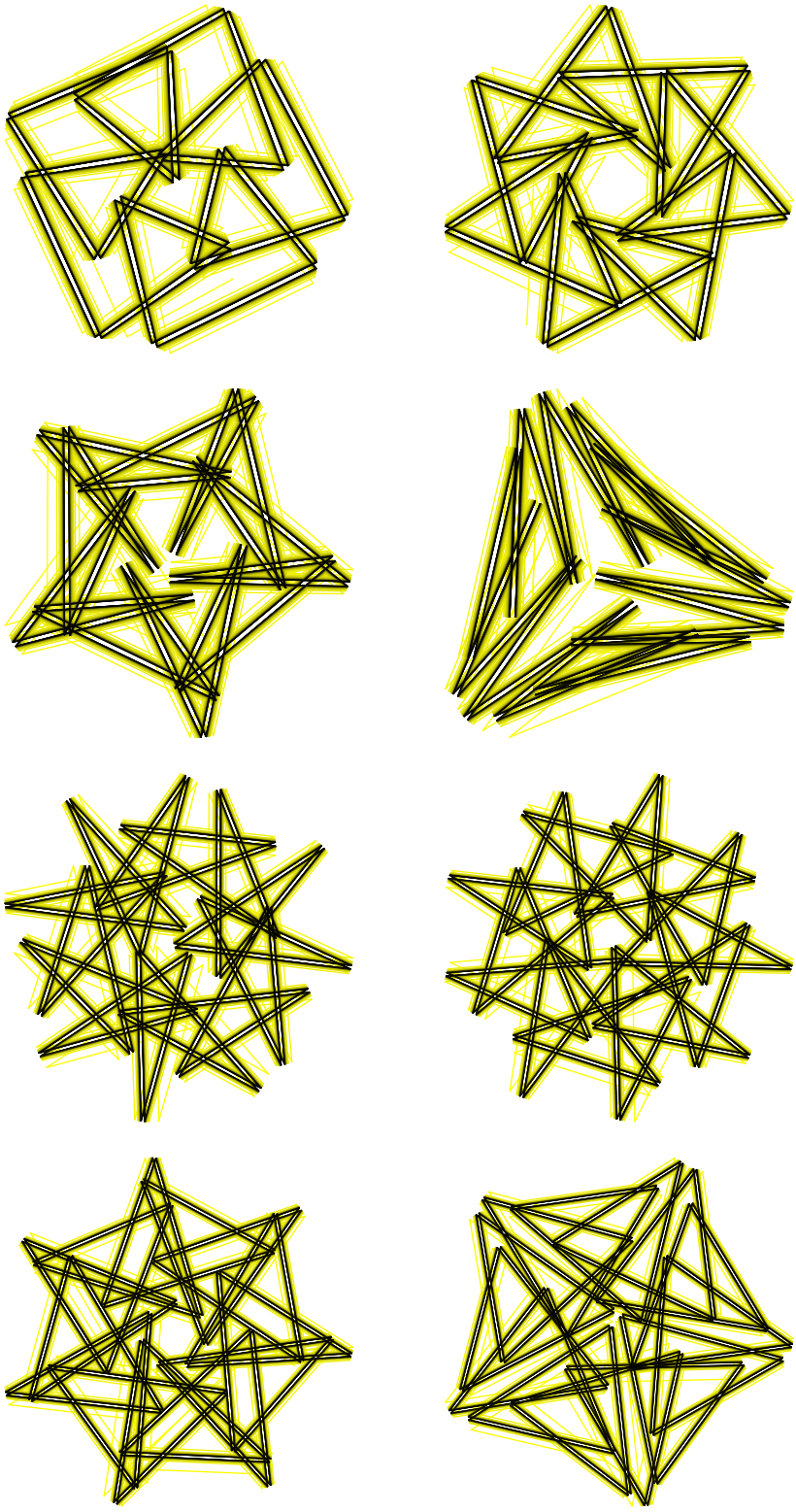
Aboriginal ornament on a Didgeridoo

Signa in silico 2001



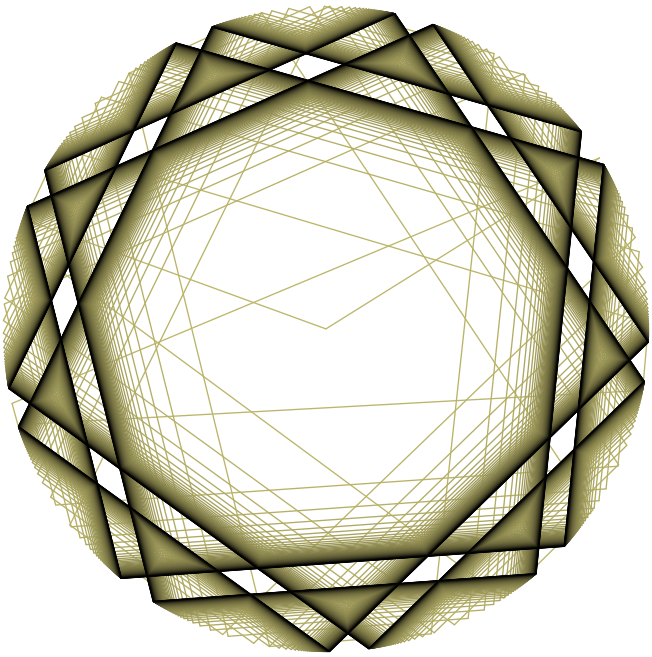
Brass I

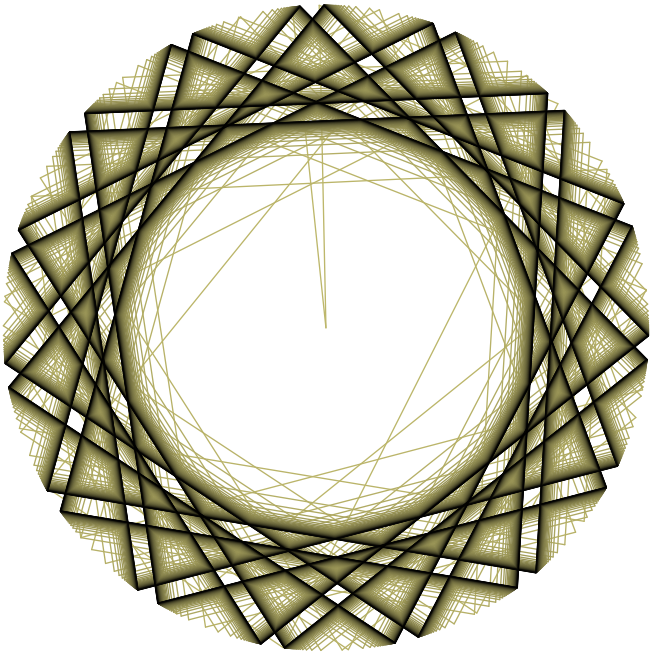
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Dresden Knotwork Carving I

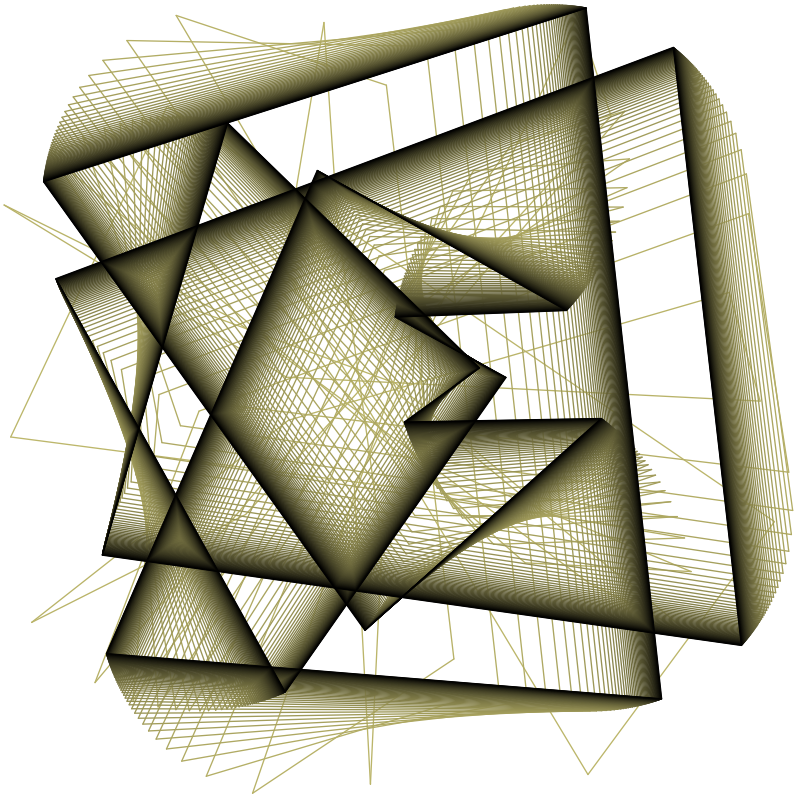
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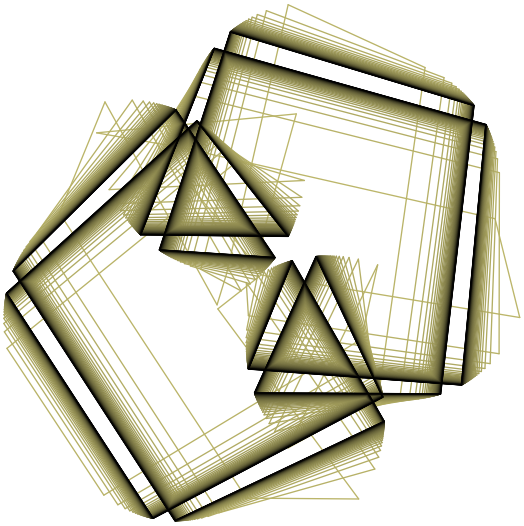


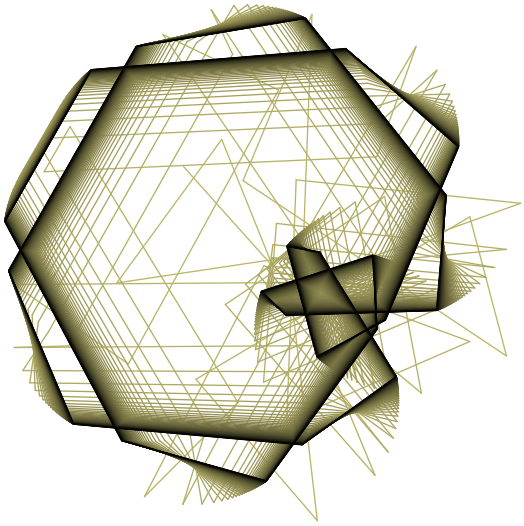


Concatenation

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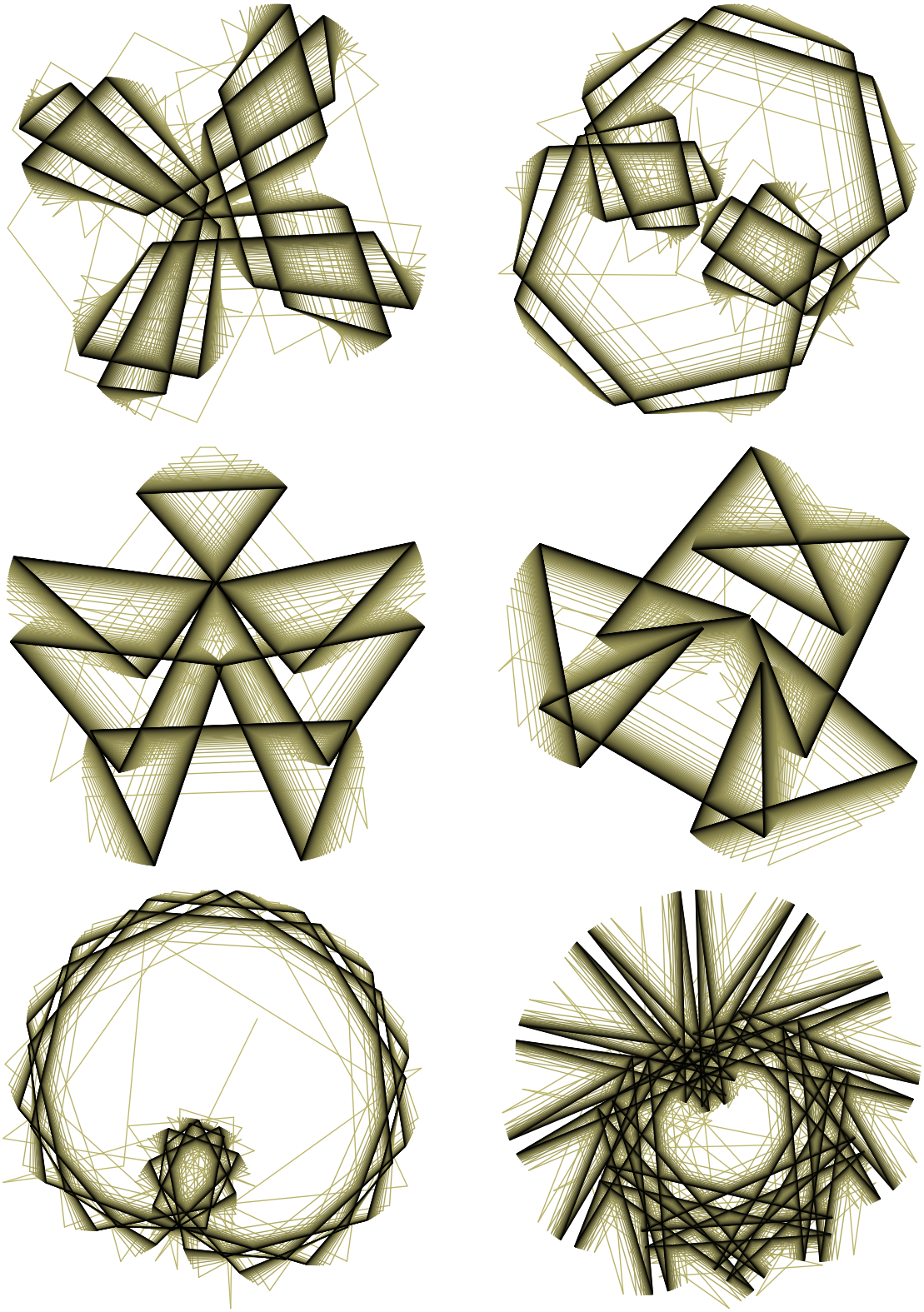






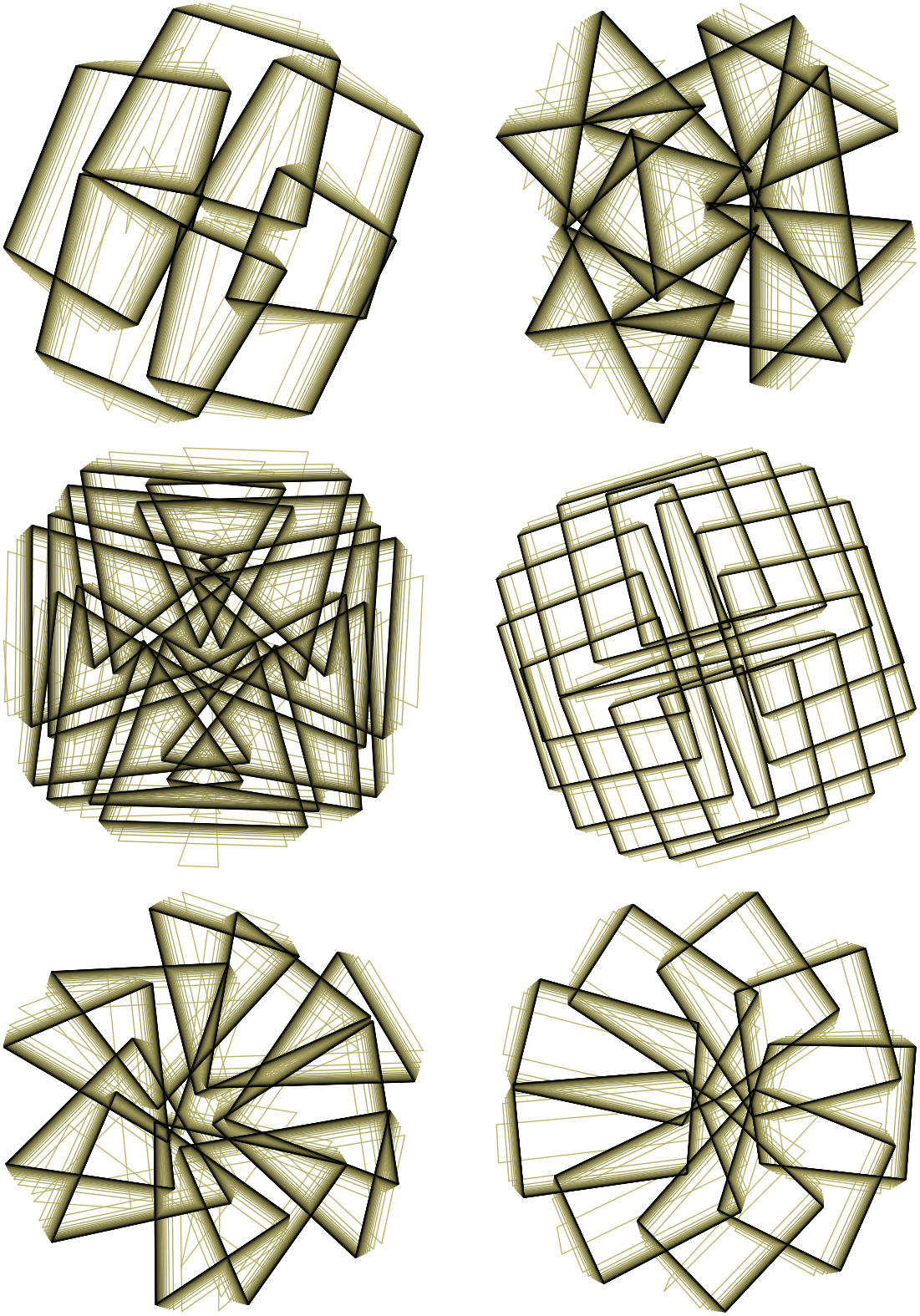
Algorithmicon

Signa in silico 2001



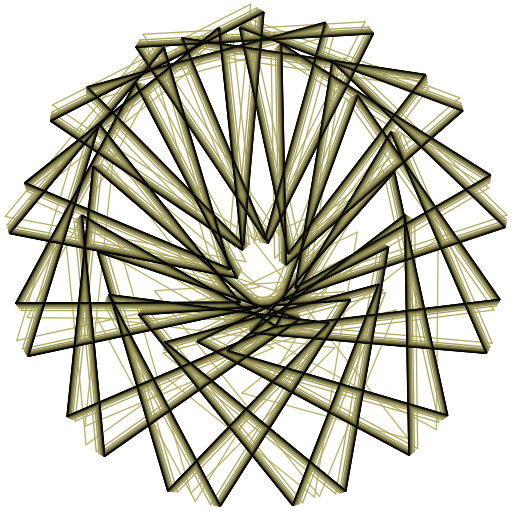
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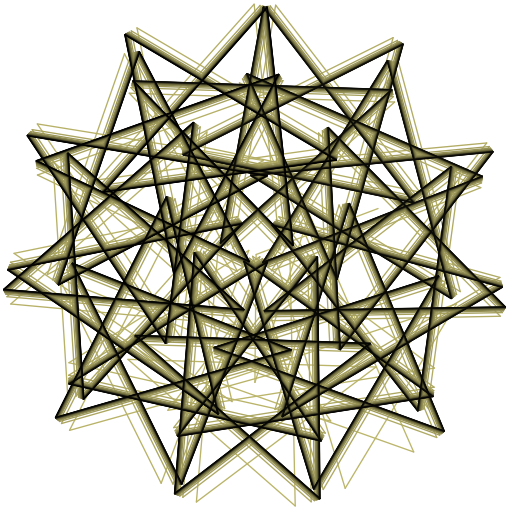
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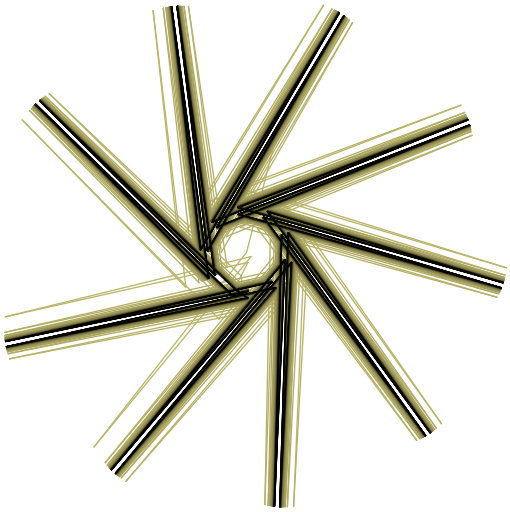


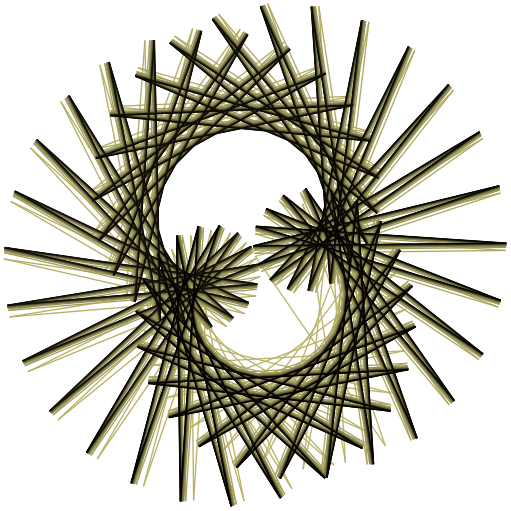
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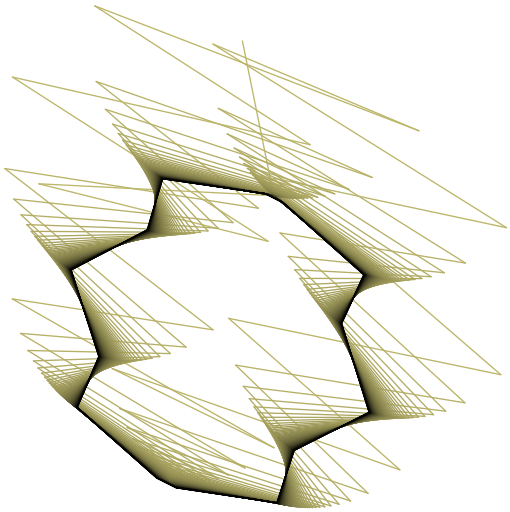
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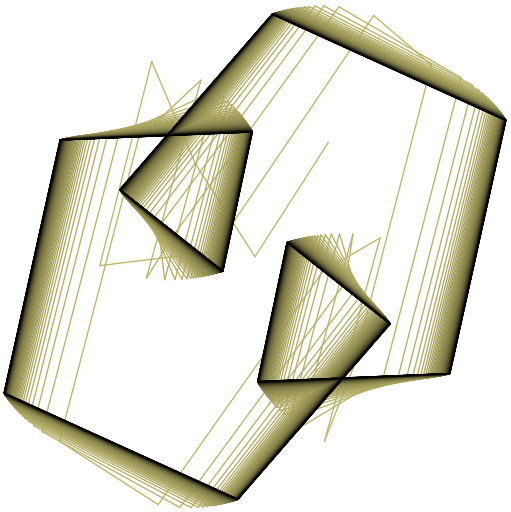






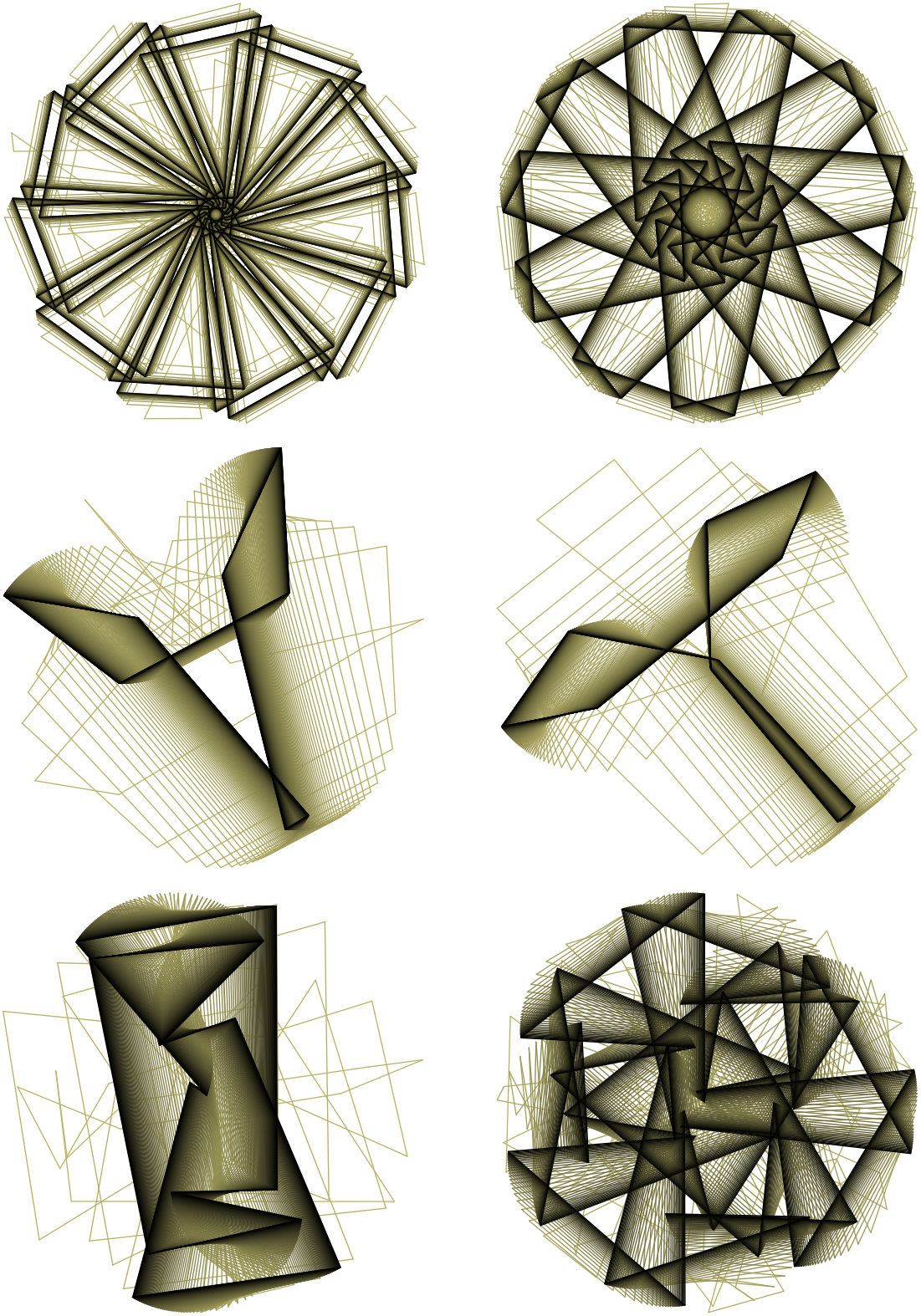






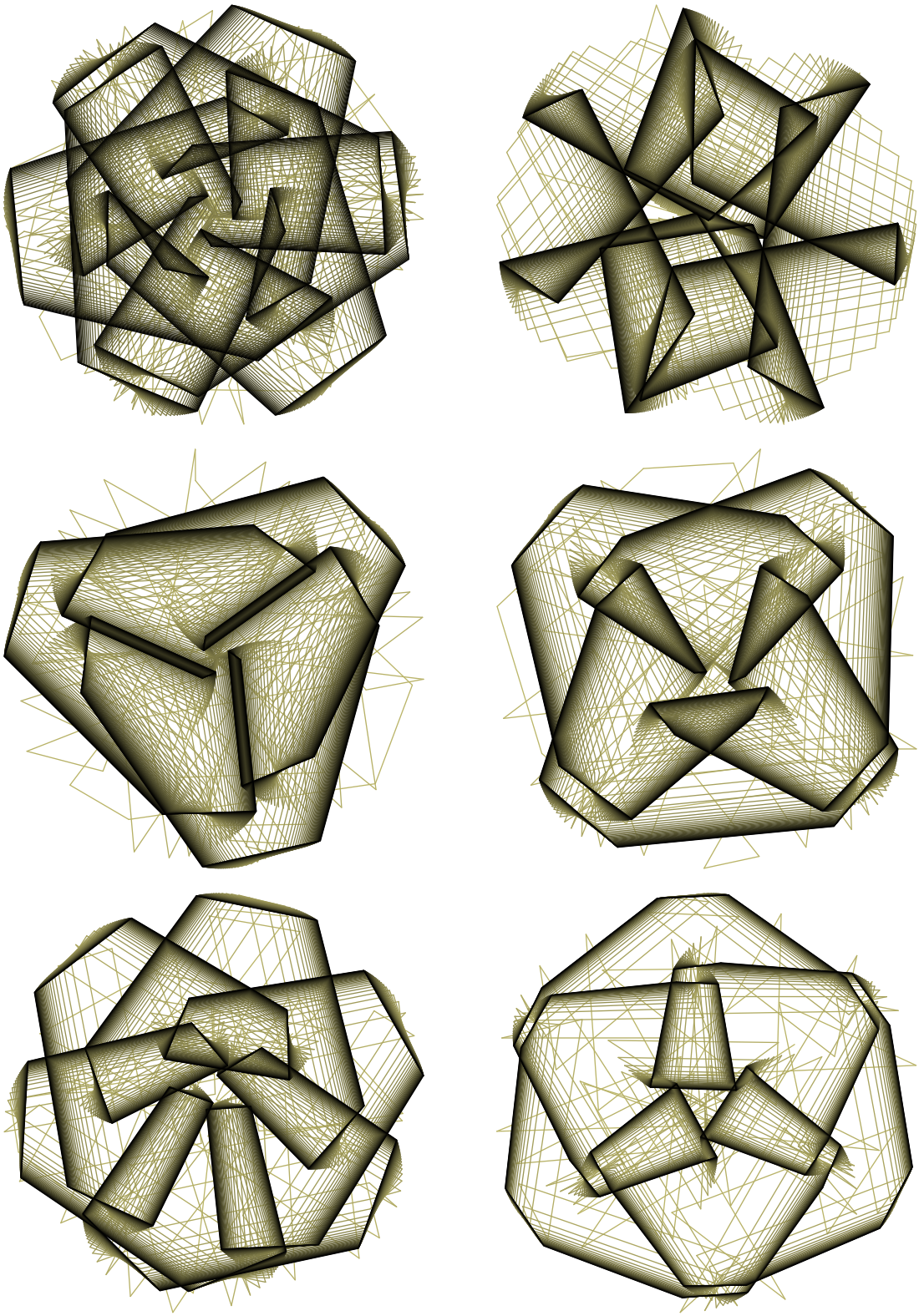
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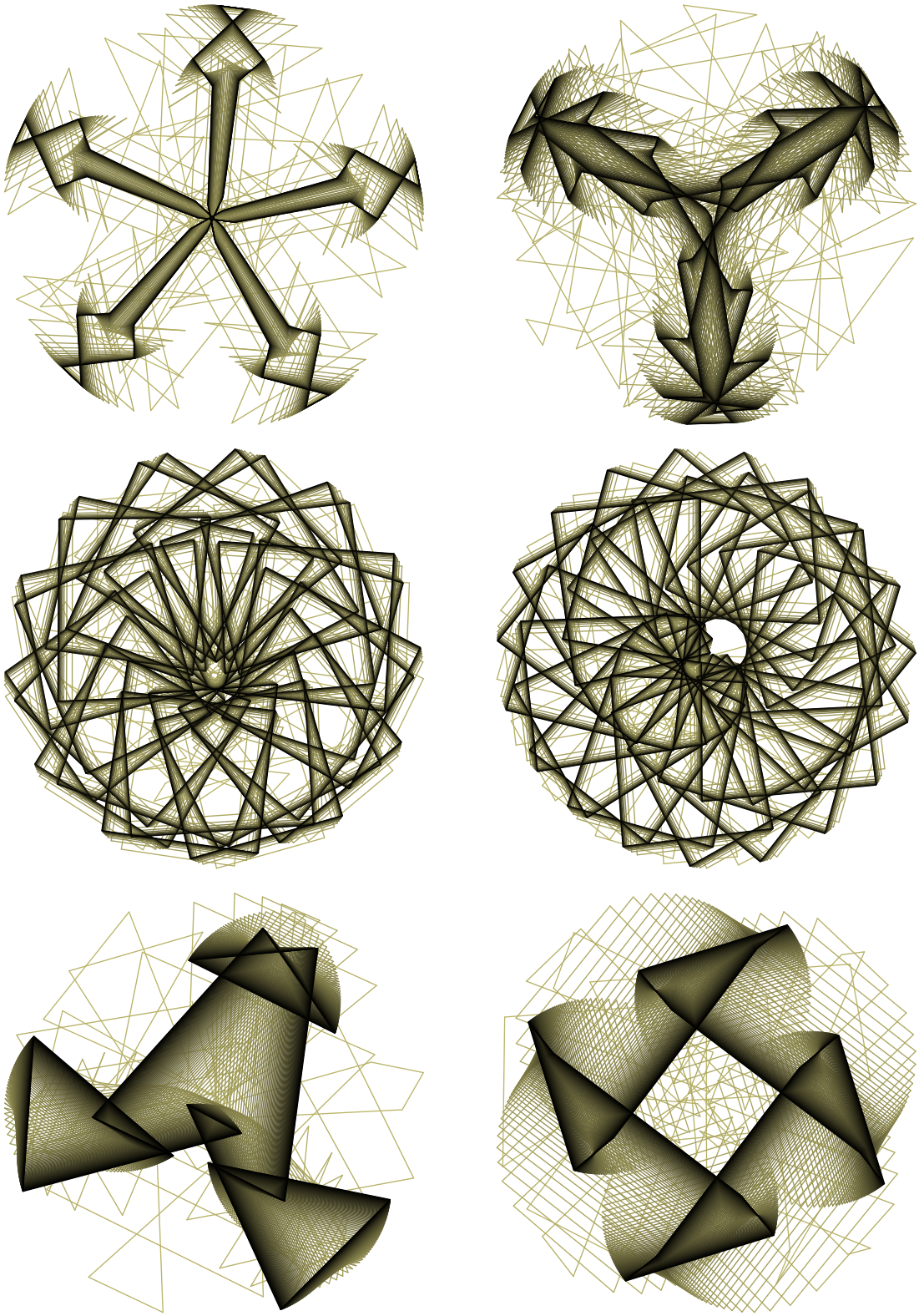
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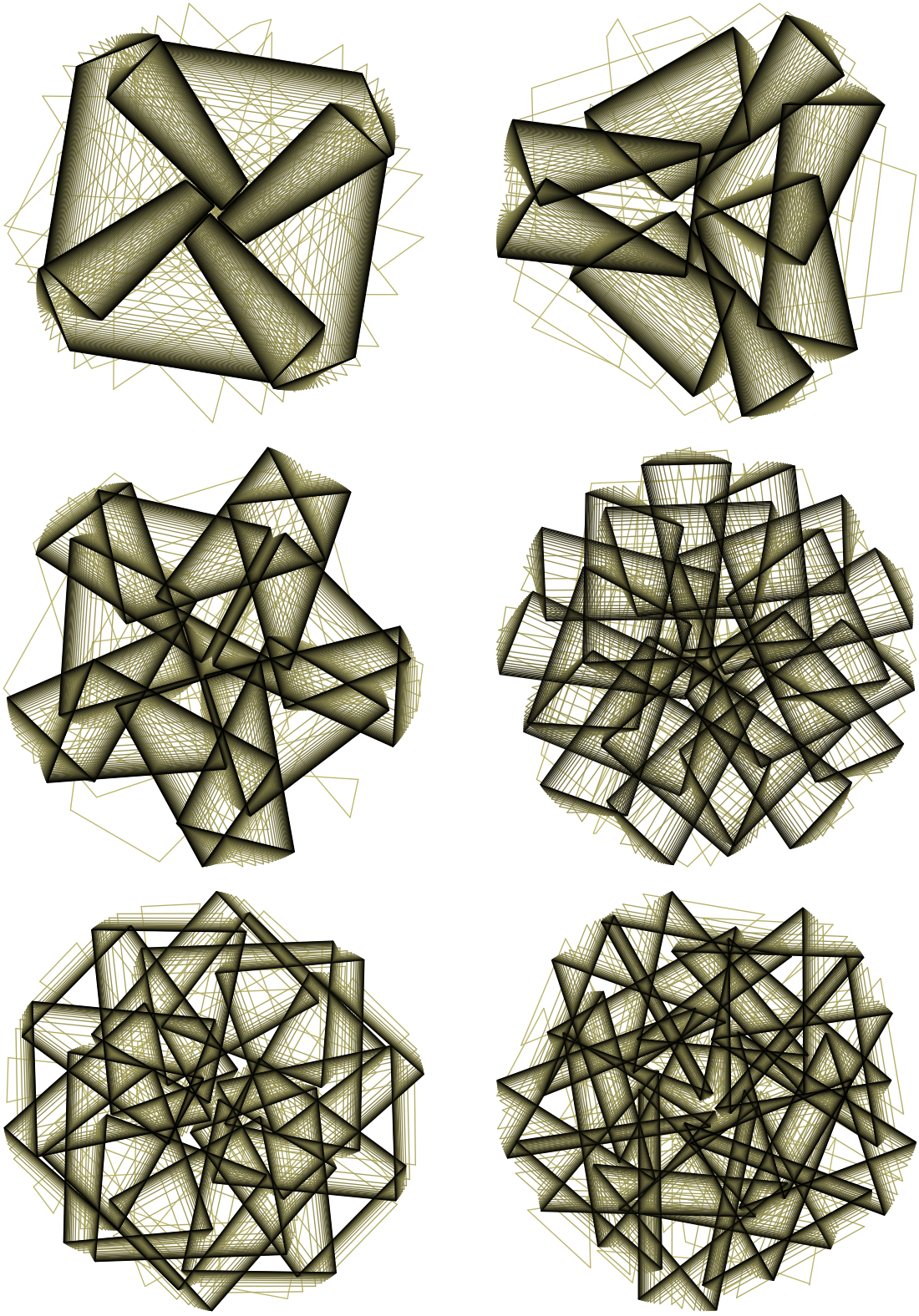
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Signa in silico 2001



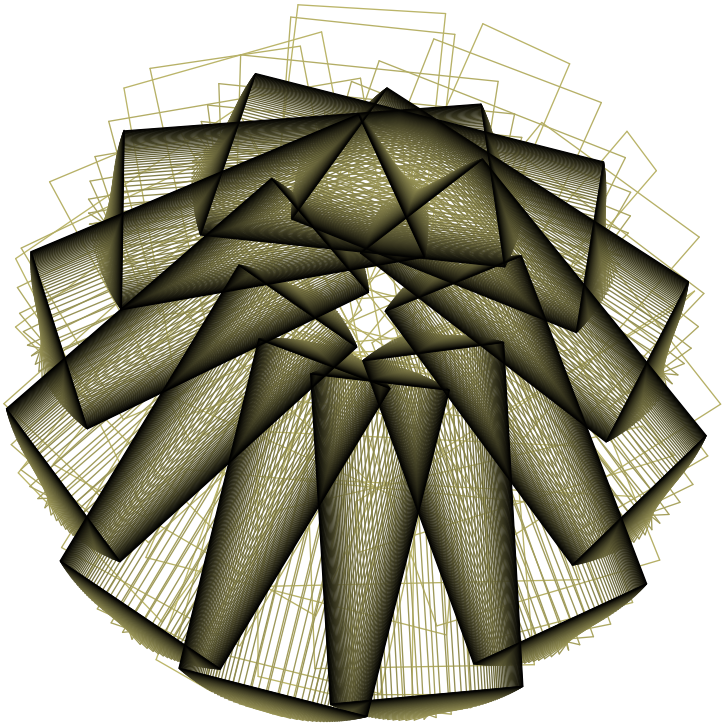
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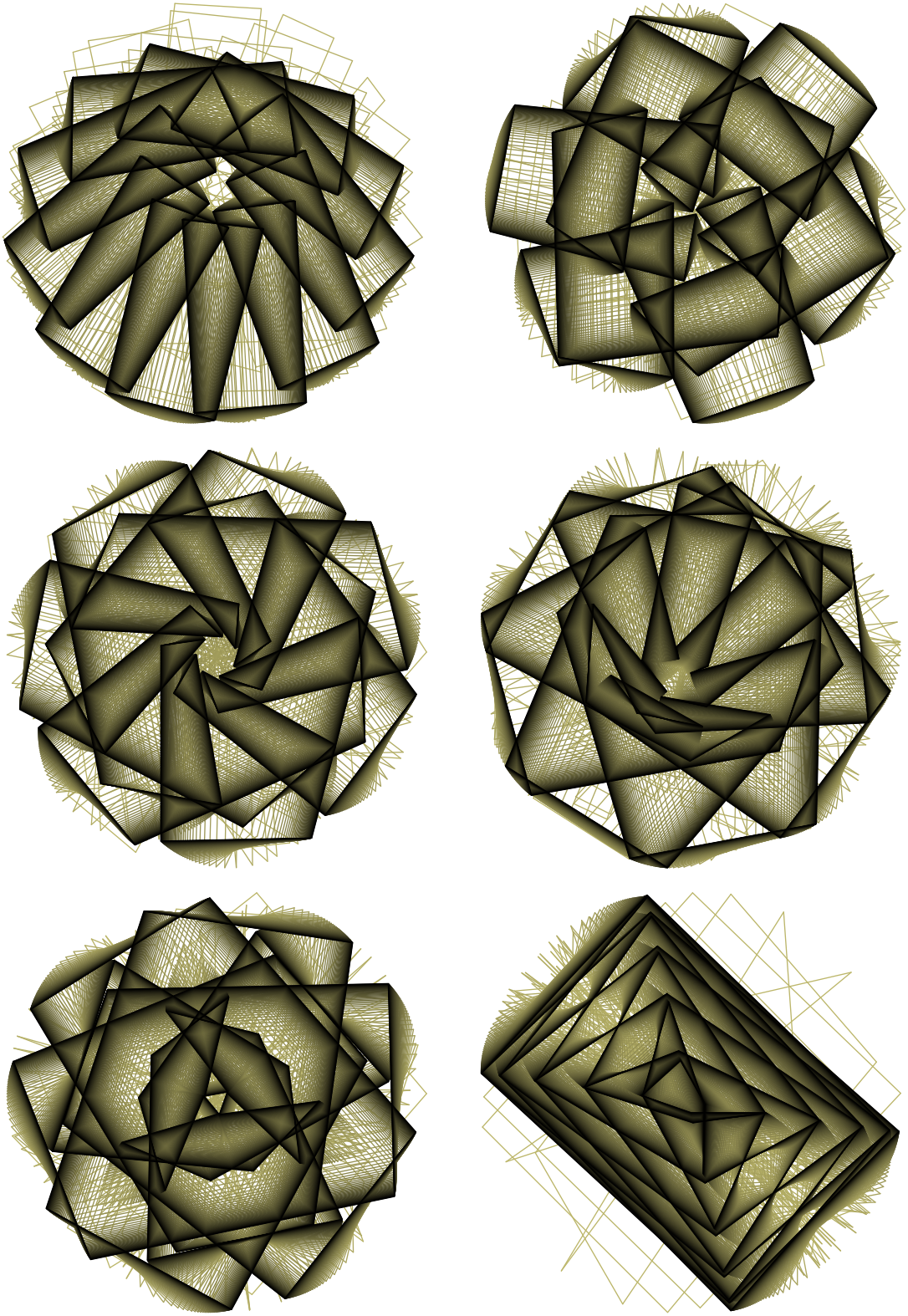
Signa in silico 2001



Armadillo variations I

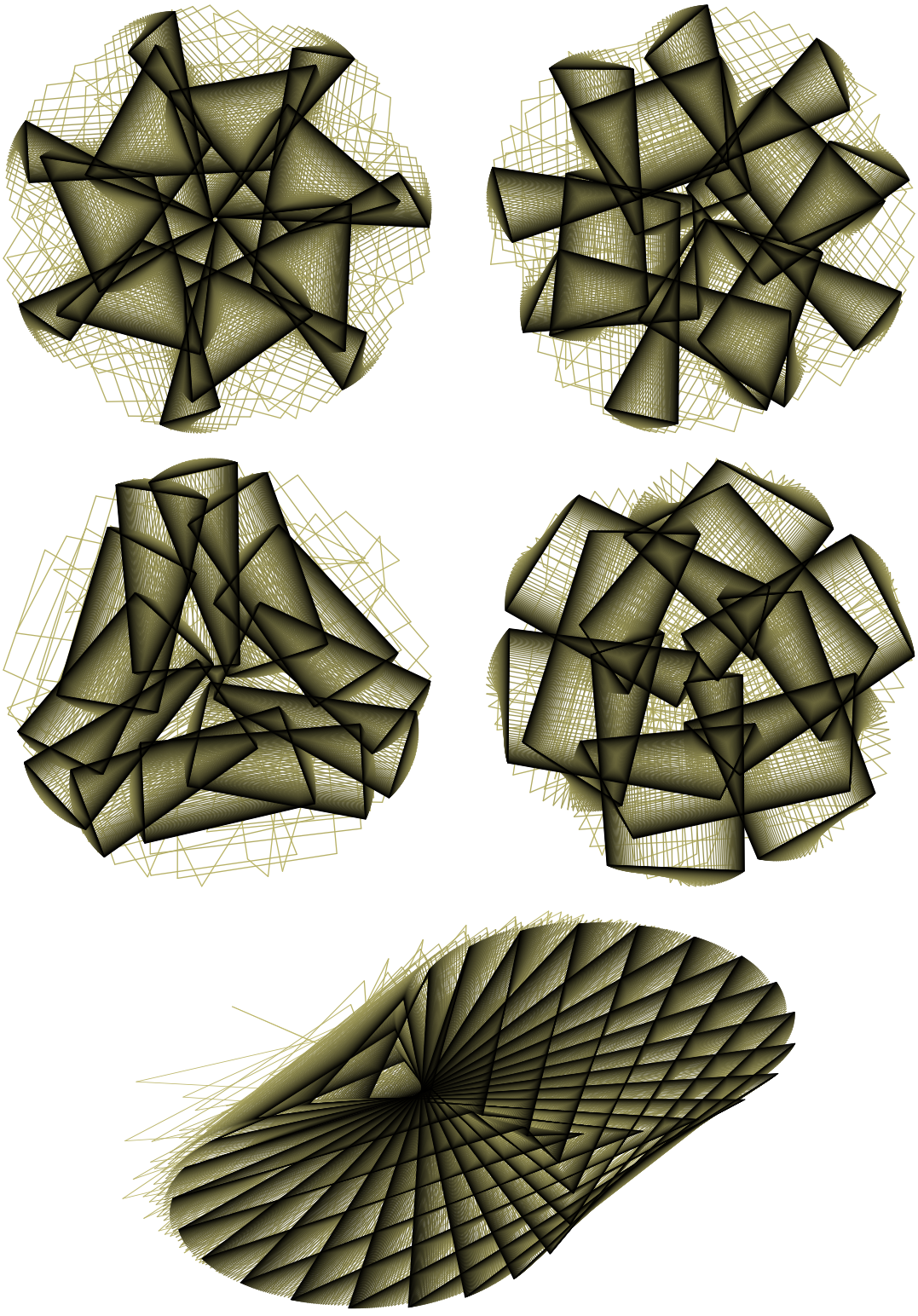
Algorithmic metamorphoses

Signa in silico 2001



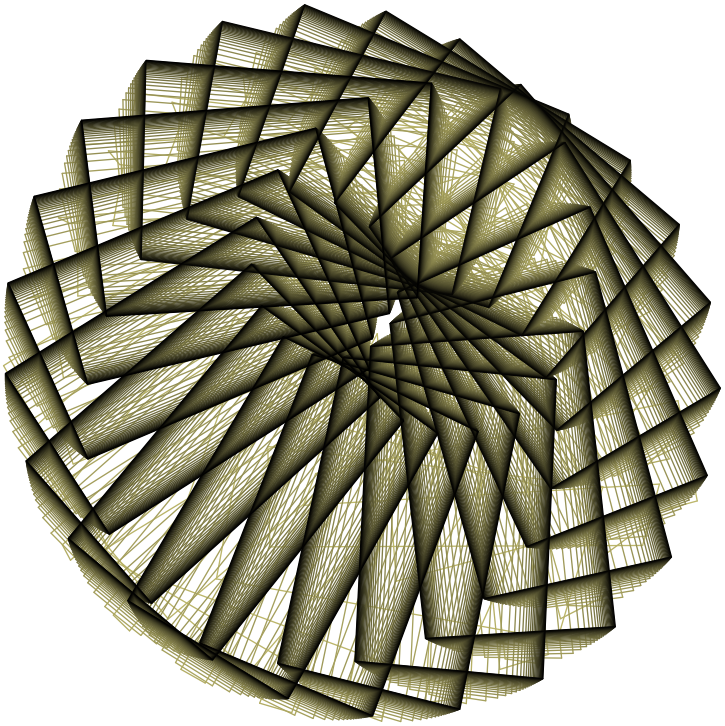
Armadillo variations I

Signa in silico 2001



Armadillo variations I

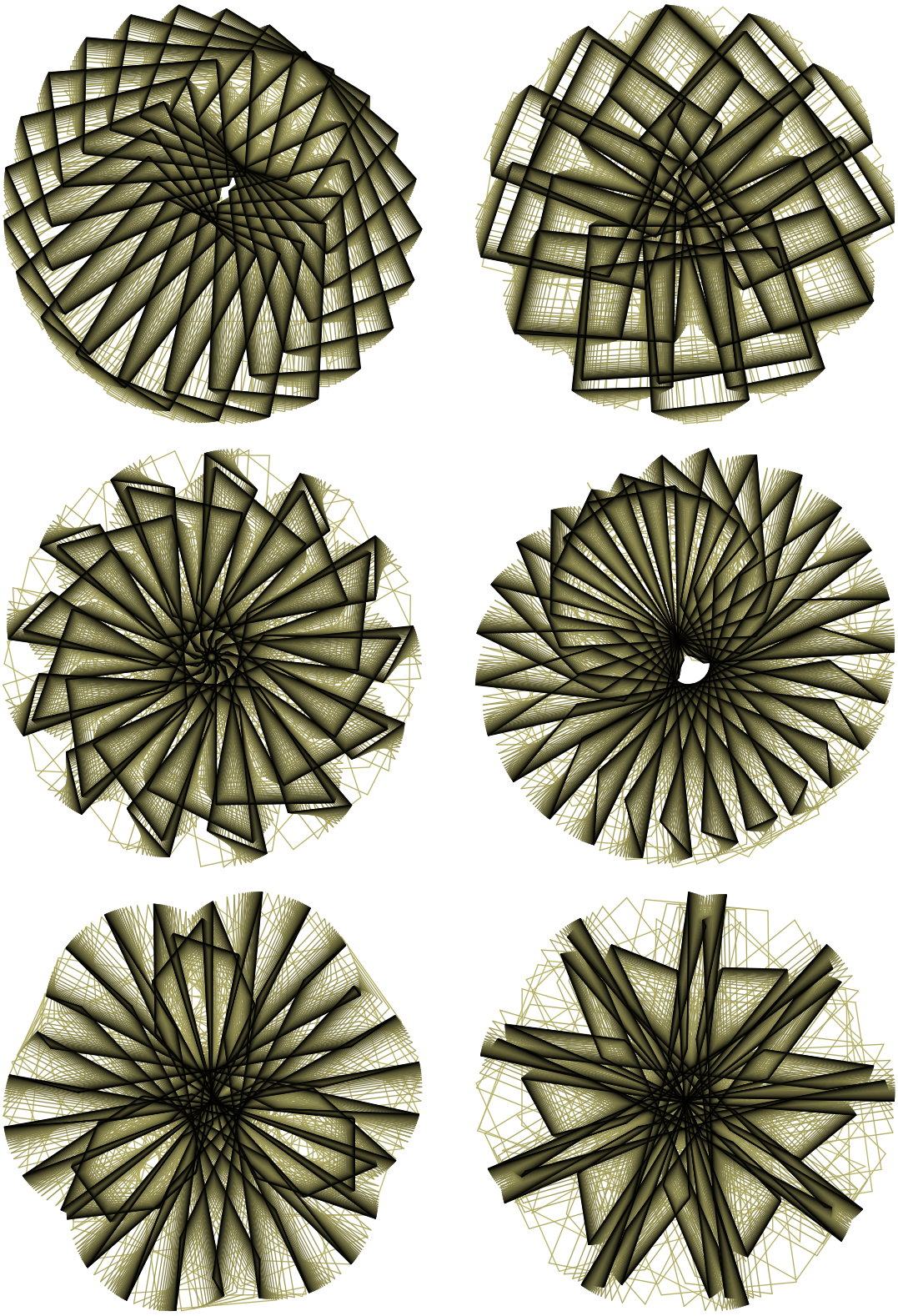
Signa in silico 2001



Armadillo variations II

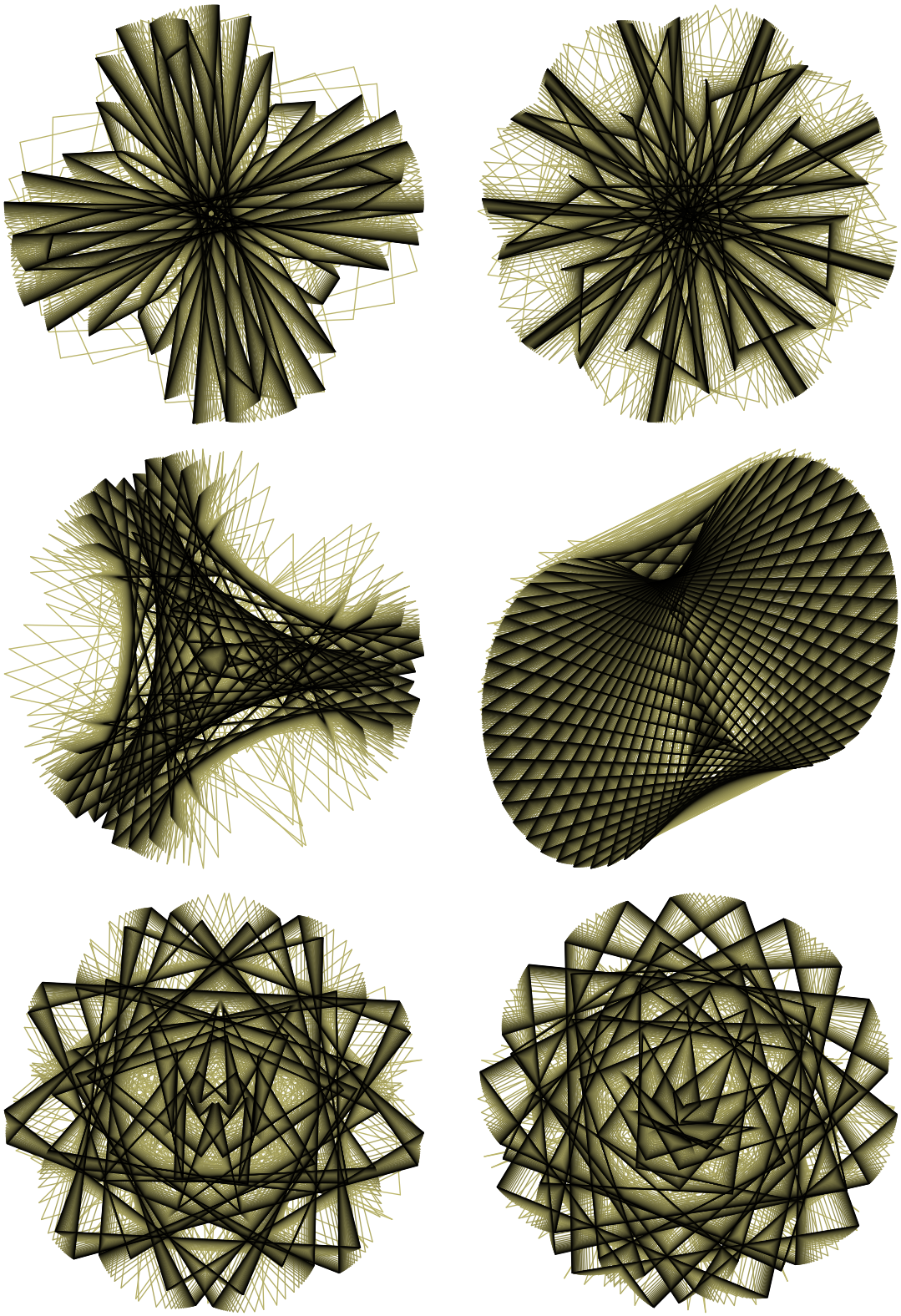
Algorithmic metamorphoses

Signa in silico 2001



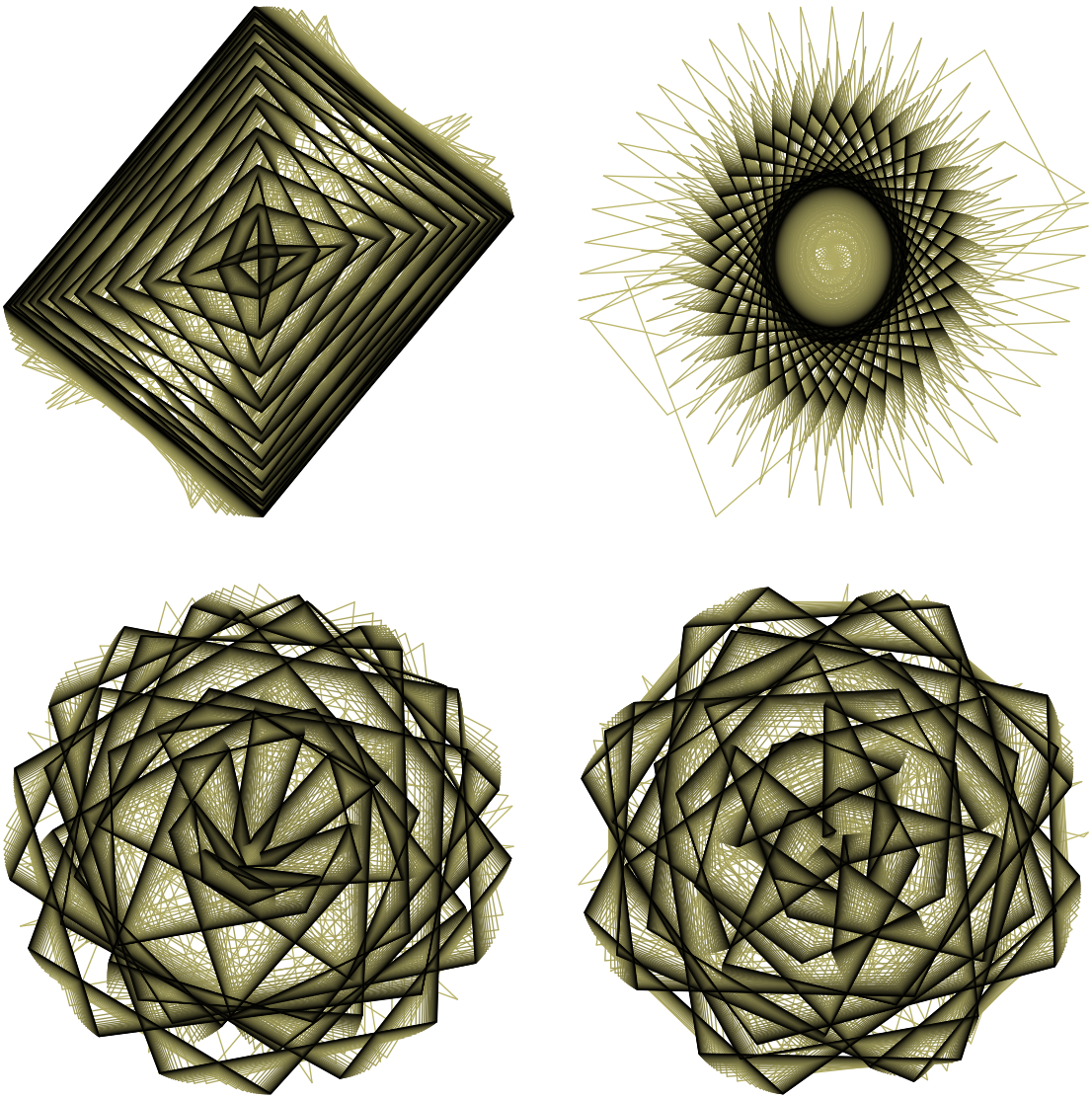
Armadillo variations II

Signa in silico 2001



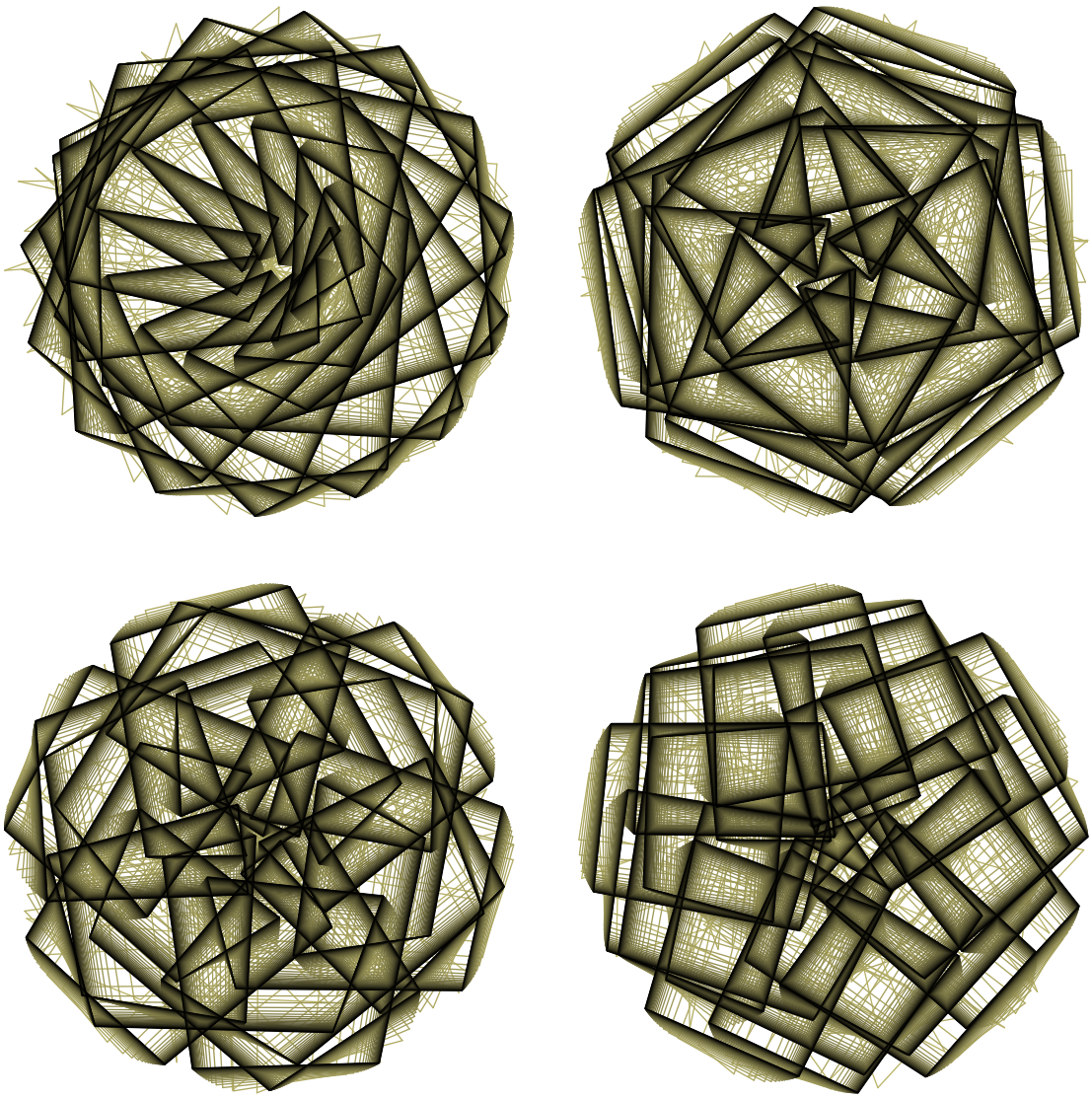
Armadillo variations II

Signa in silico 2001



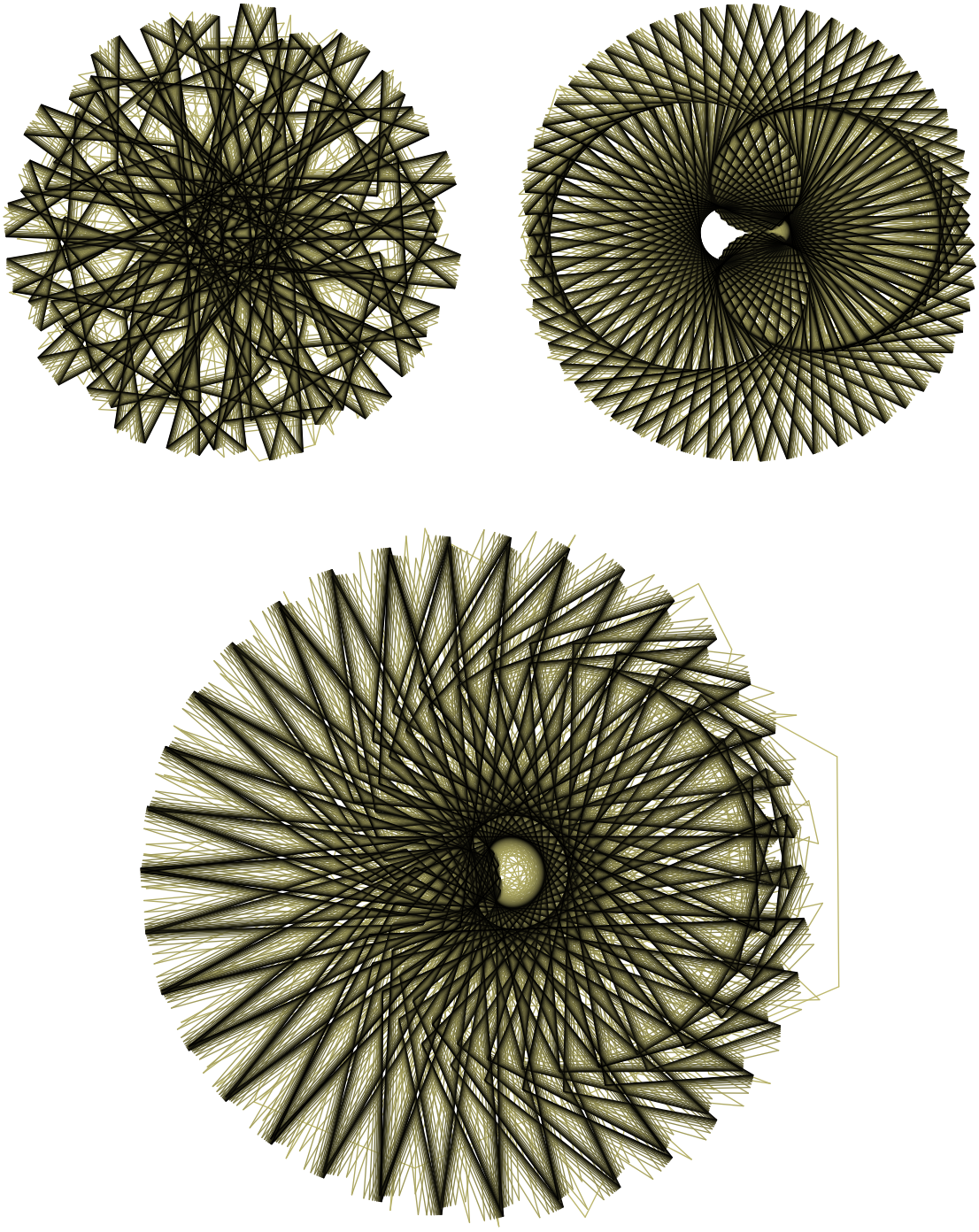
Armadillo variations II

Signa in silico 2001



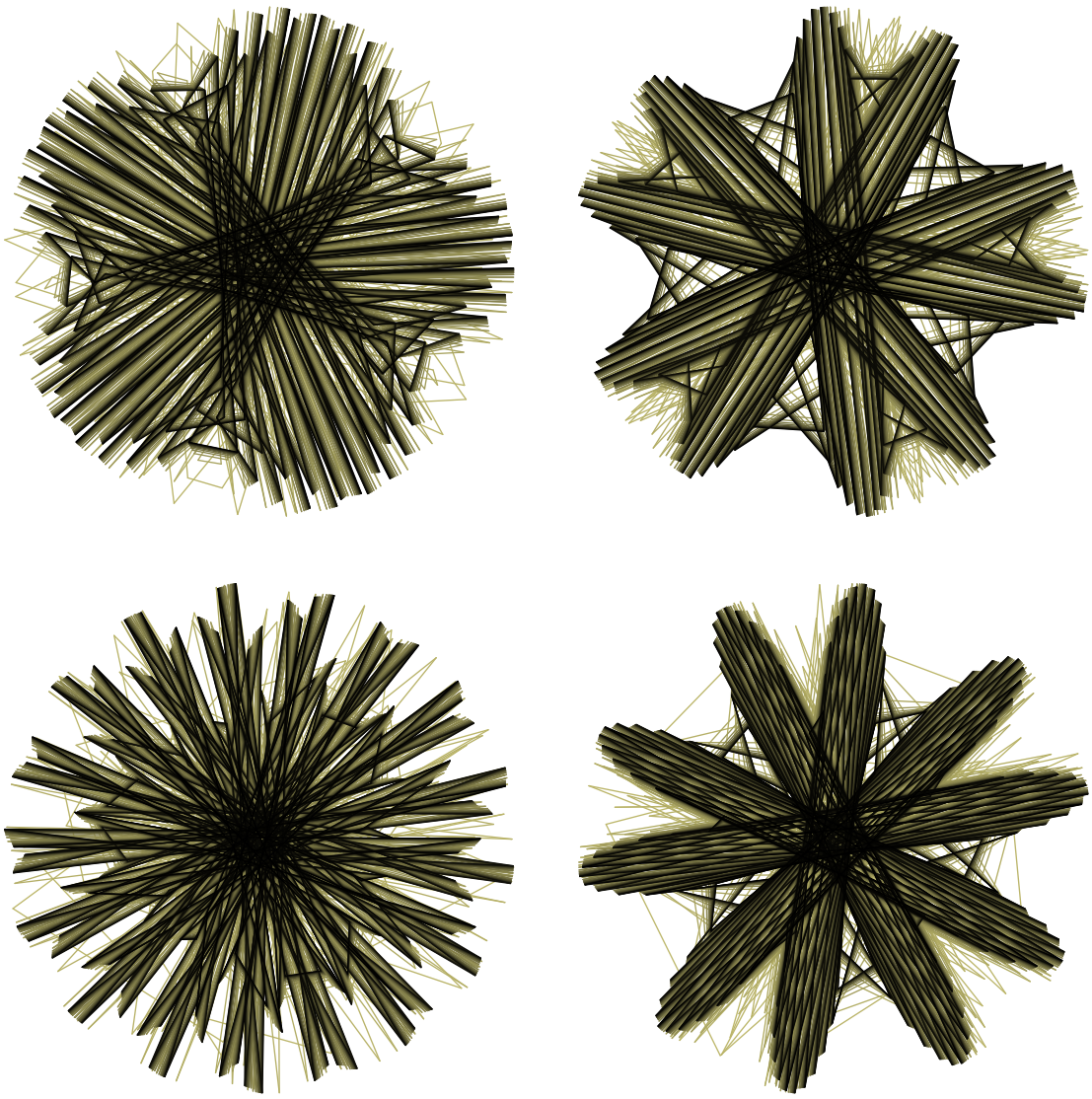
Armadillo variations II

Signa in silico 2001



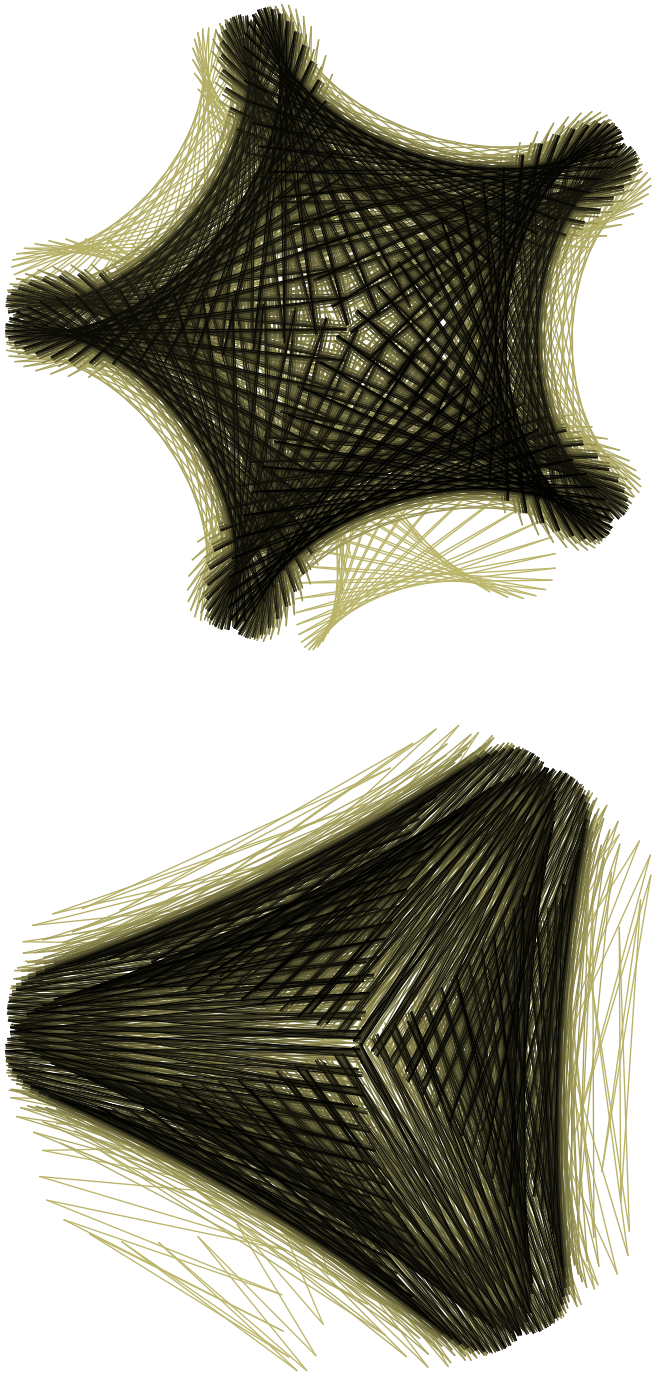
Armadillo variations II

Signa in silico 2001



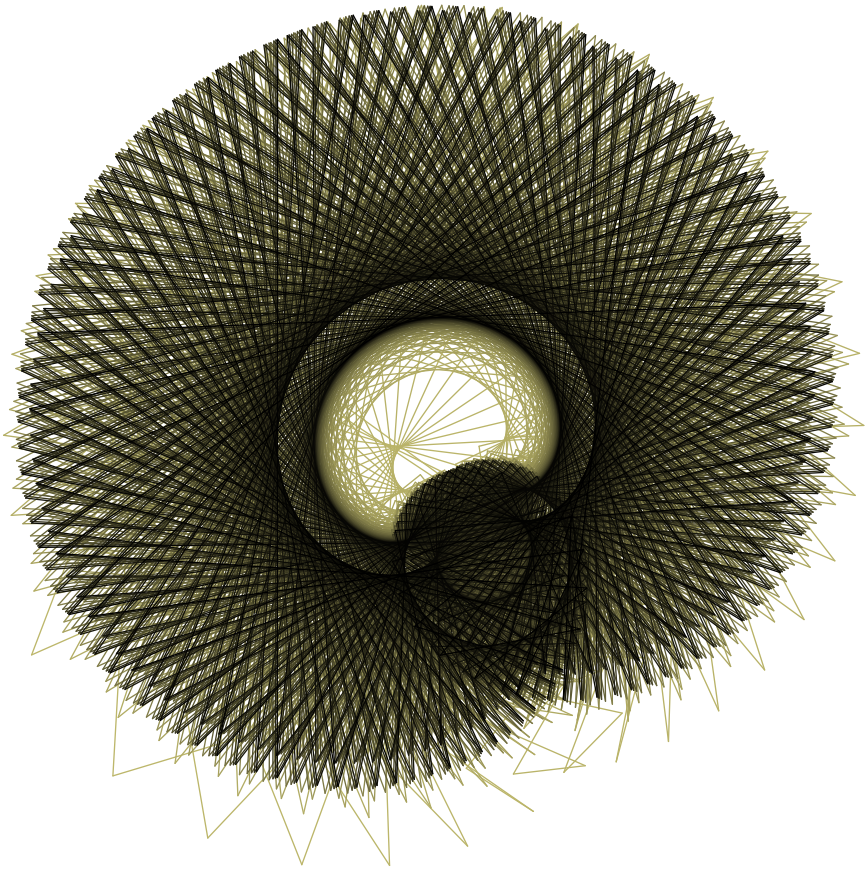
Armadillo variations II

Signa in silico 2001



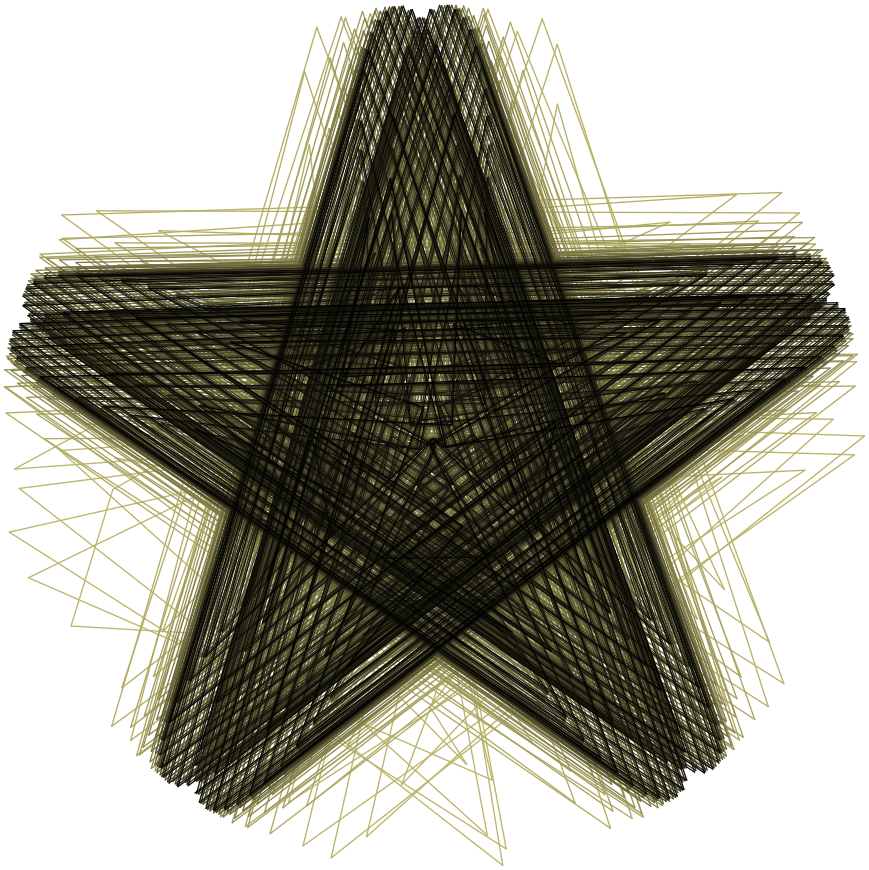
Armadillo variations II

Signa in silico 2001



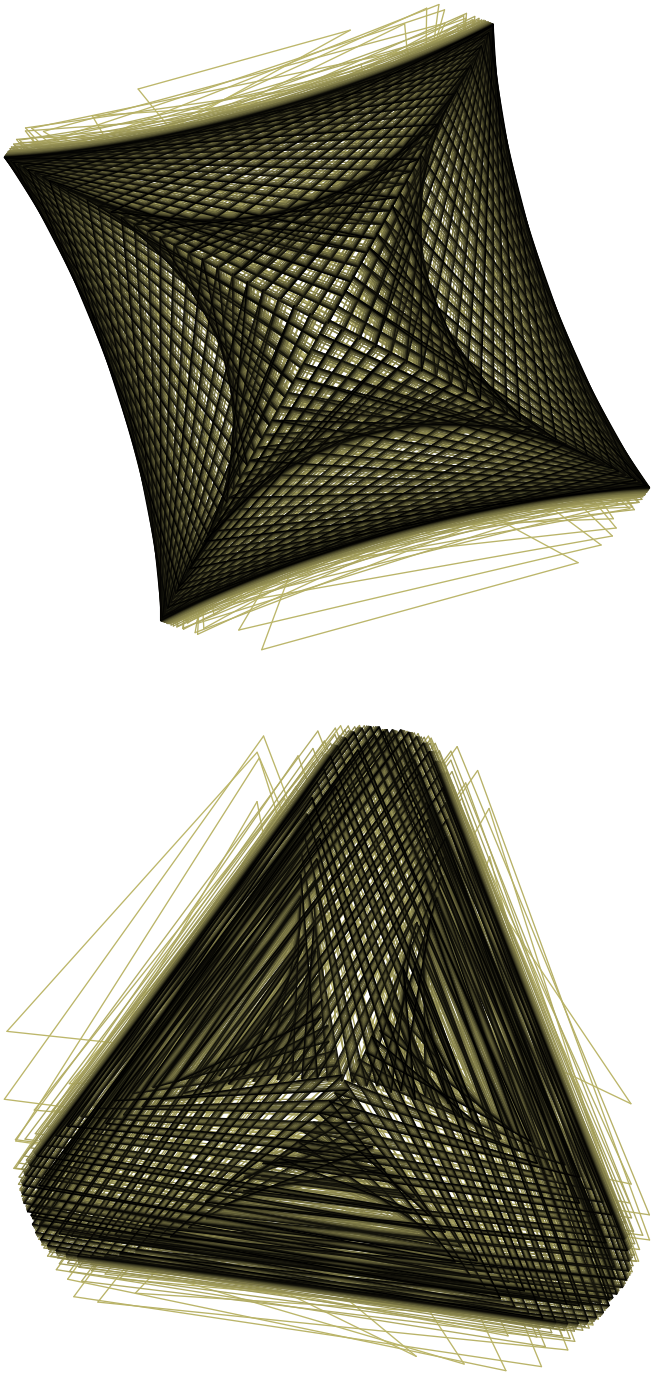
Armadillo variations II

Signa in silico 2001



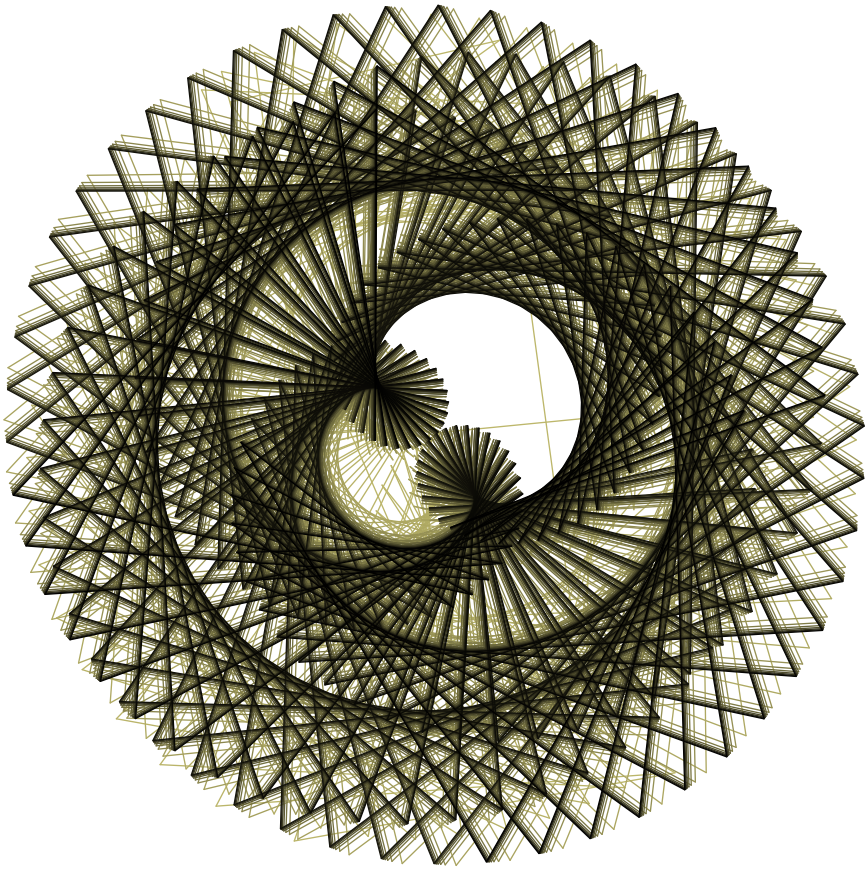
Armadillo variations II

Signa in silico 2001



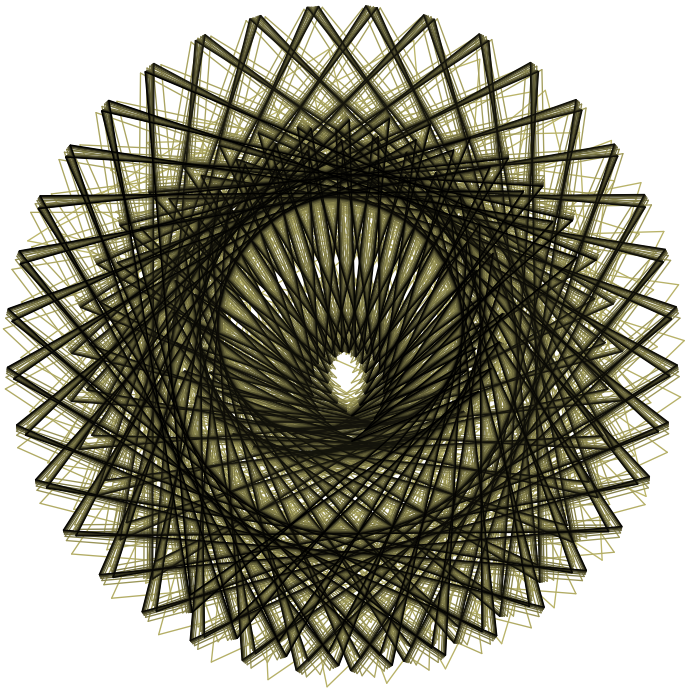
Armadillo variations II

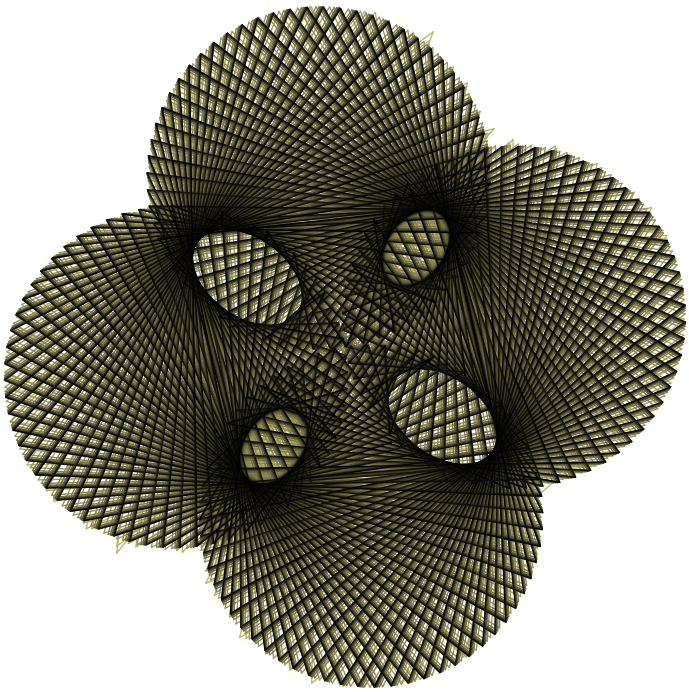
Signa in silico 2001



Armadillo variations II

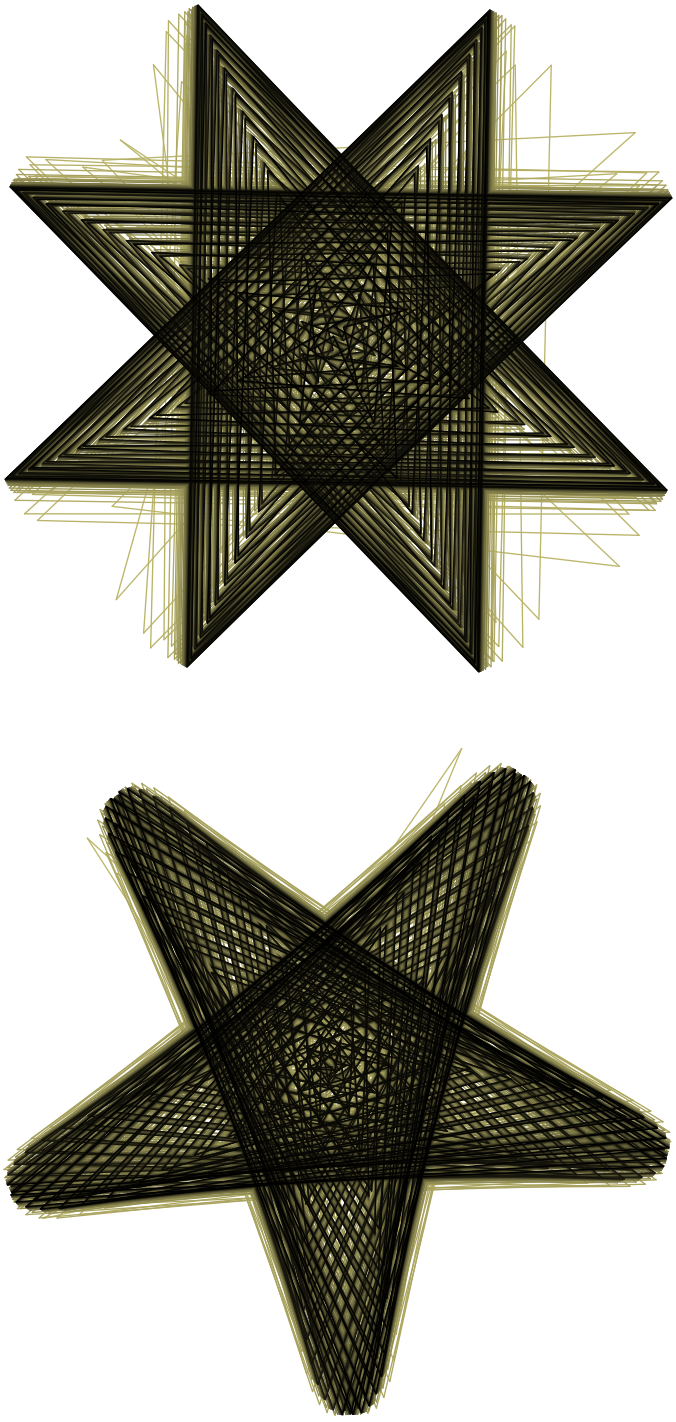
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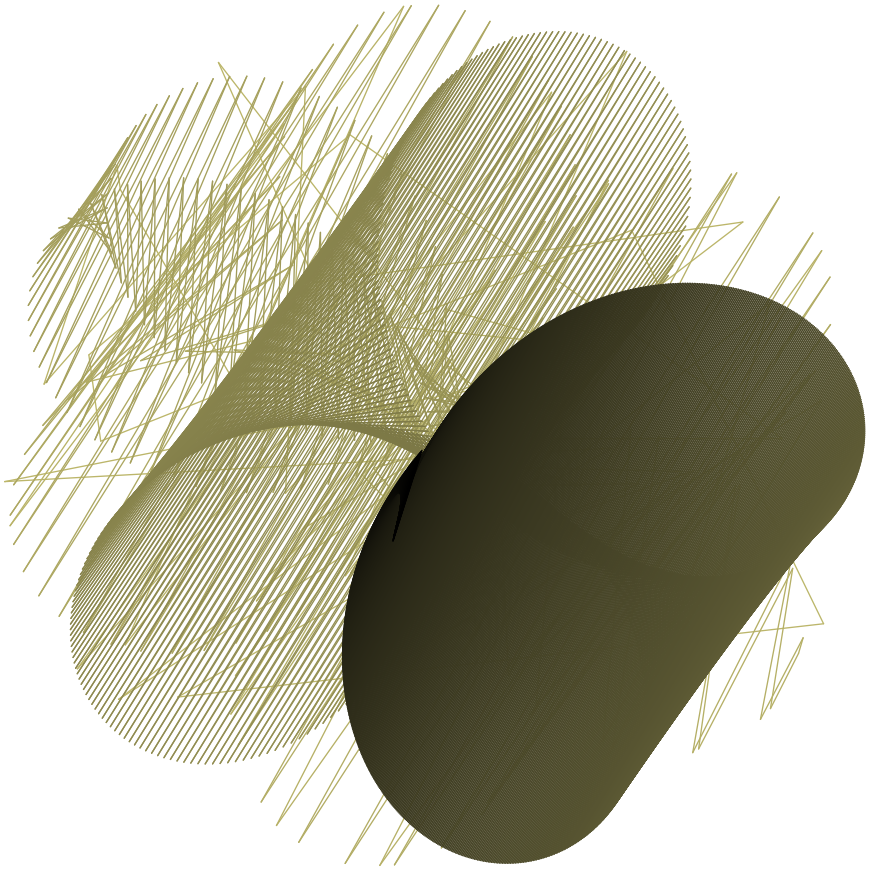
Armadillo variations II

Signa in silico 2001



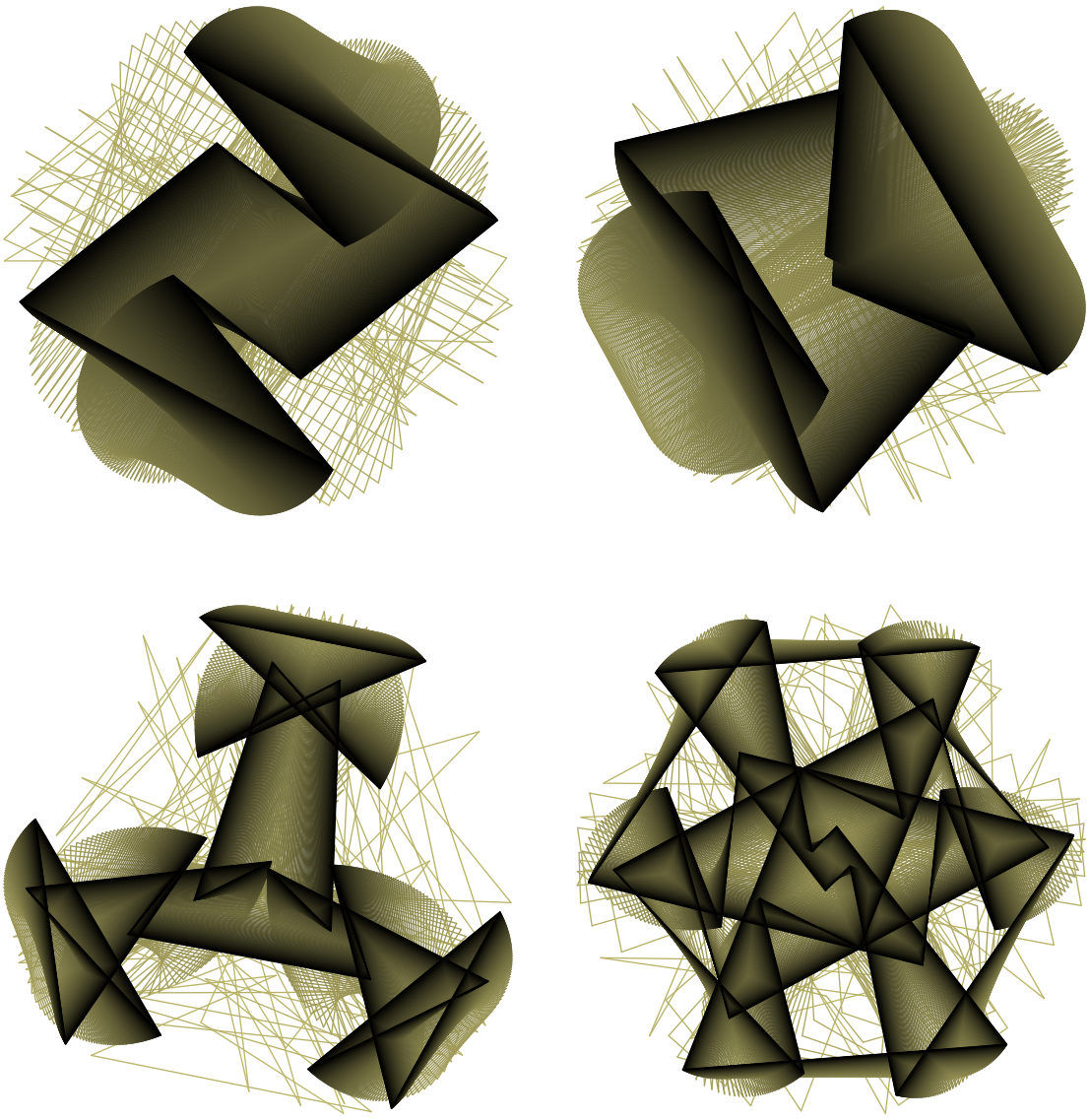
Armadillo variations II

Signa in silico 2001



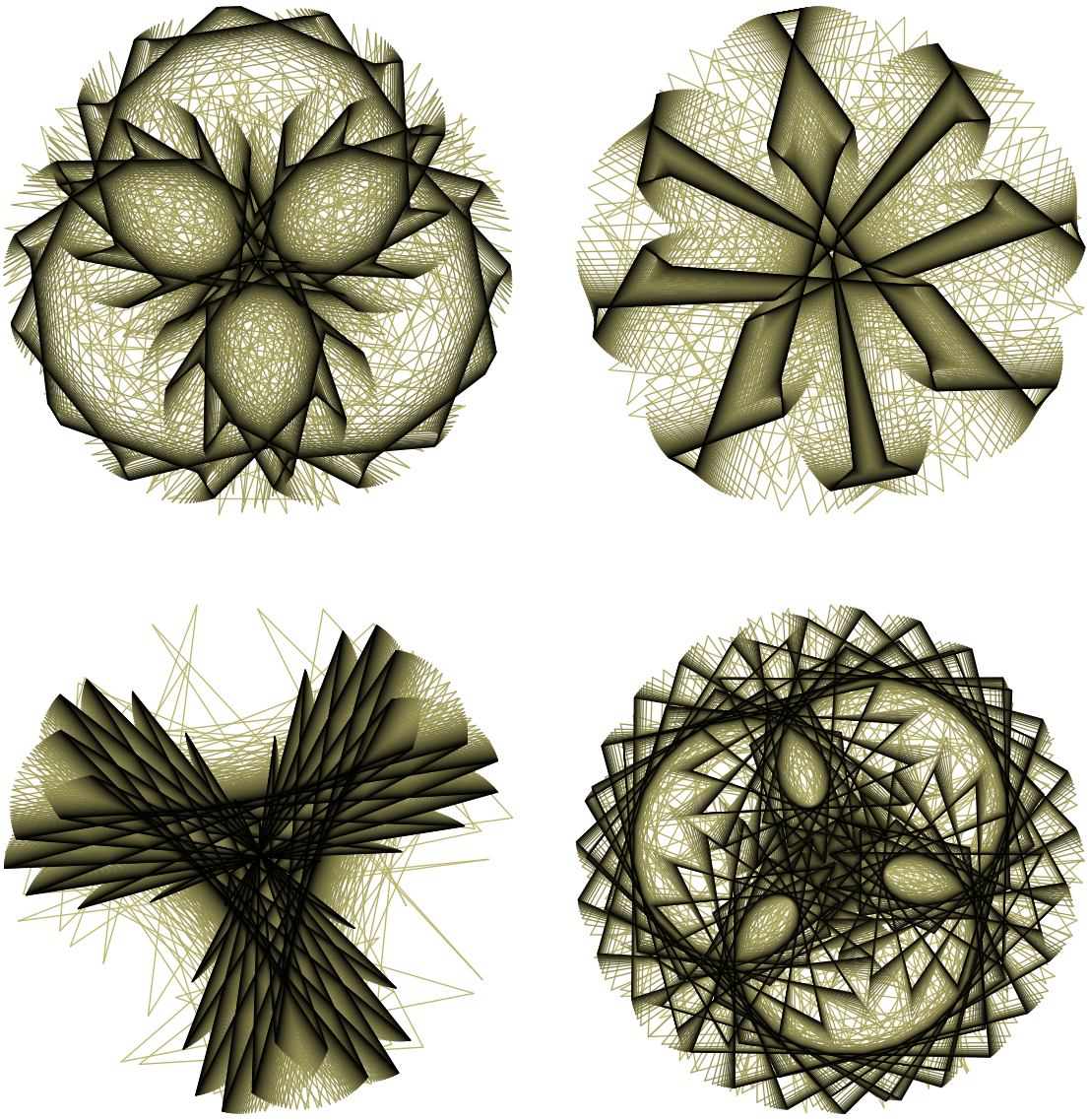
Armadillo variations II

Signa in silico 2001



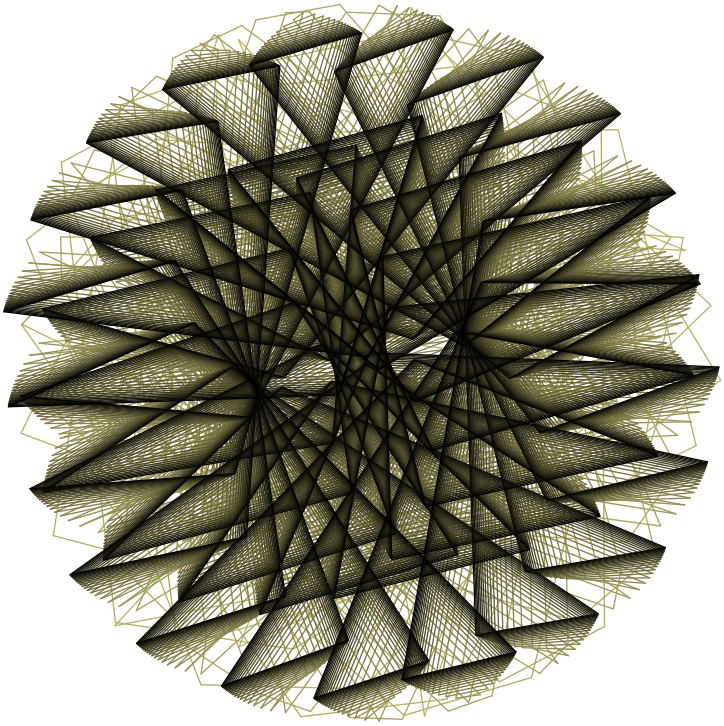
Armadillo variations II

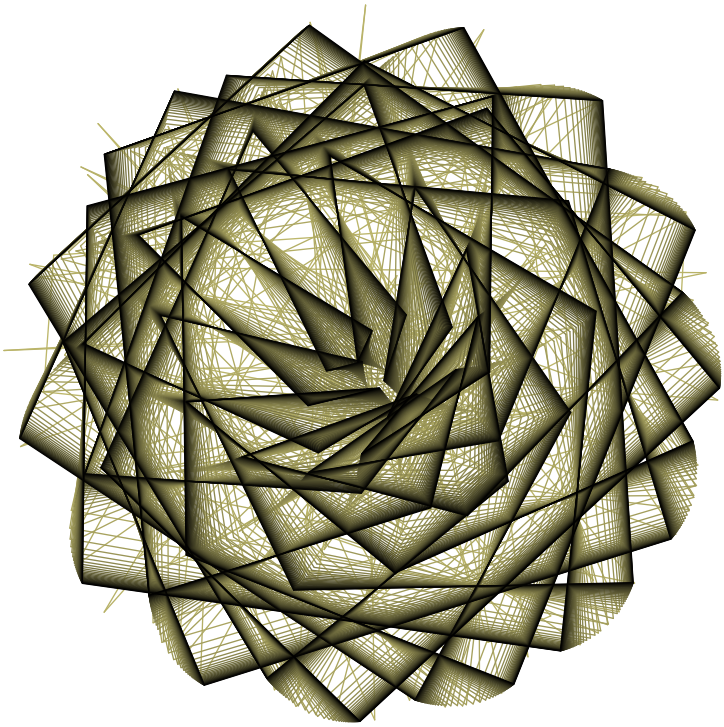
Signa in silico 2001



Armadillo variations II

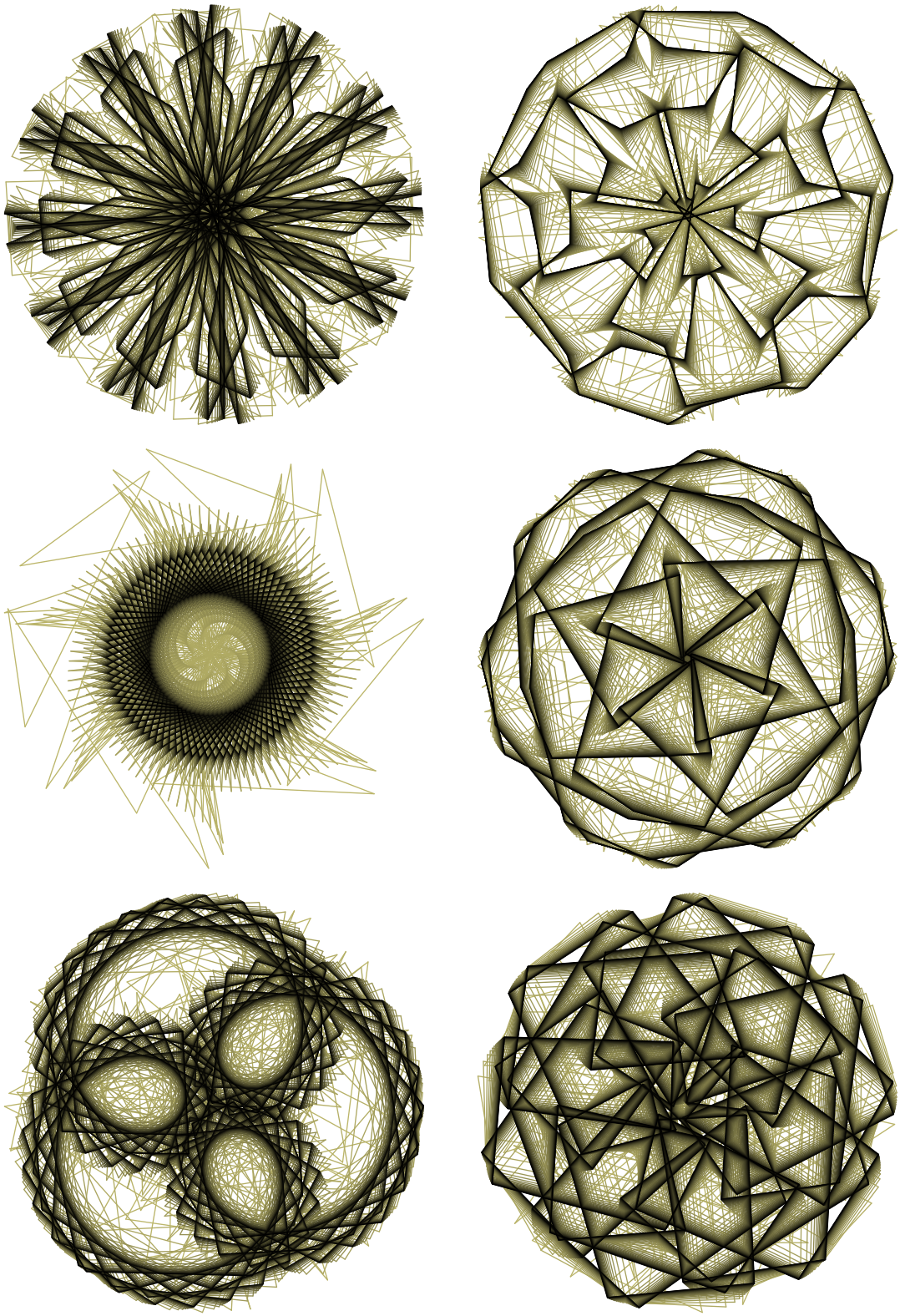
Signa in silico 2001





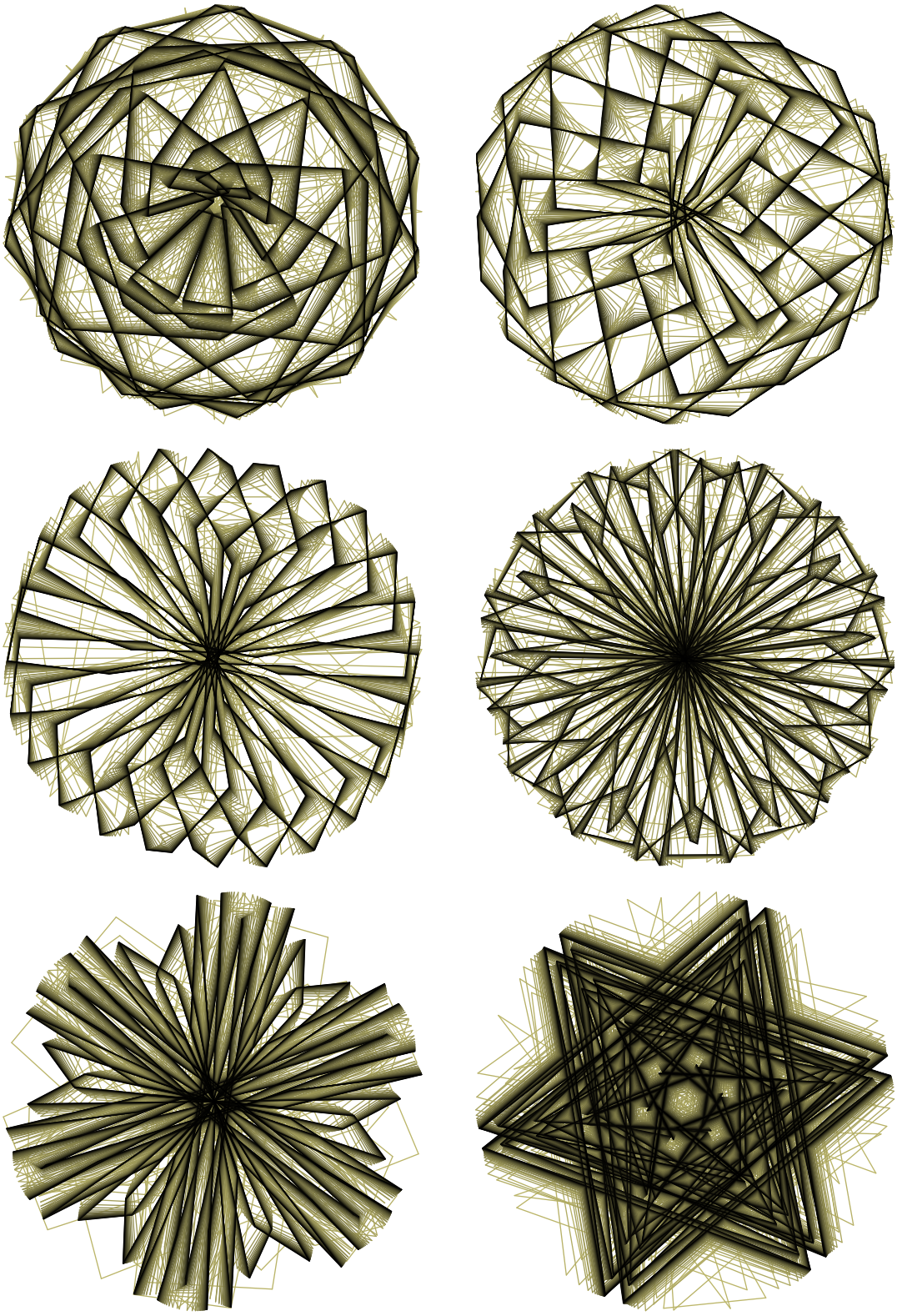
Armadillo variations II

Signa in silico 2001



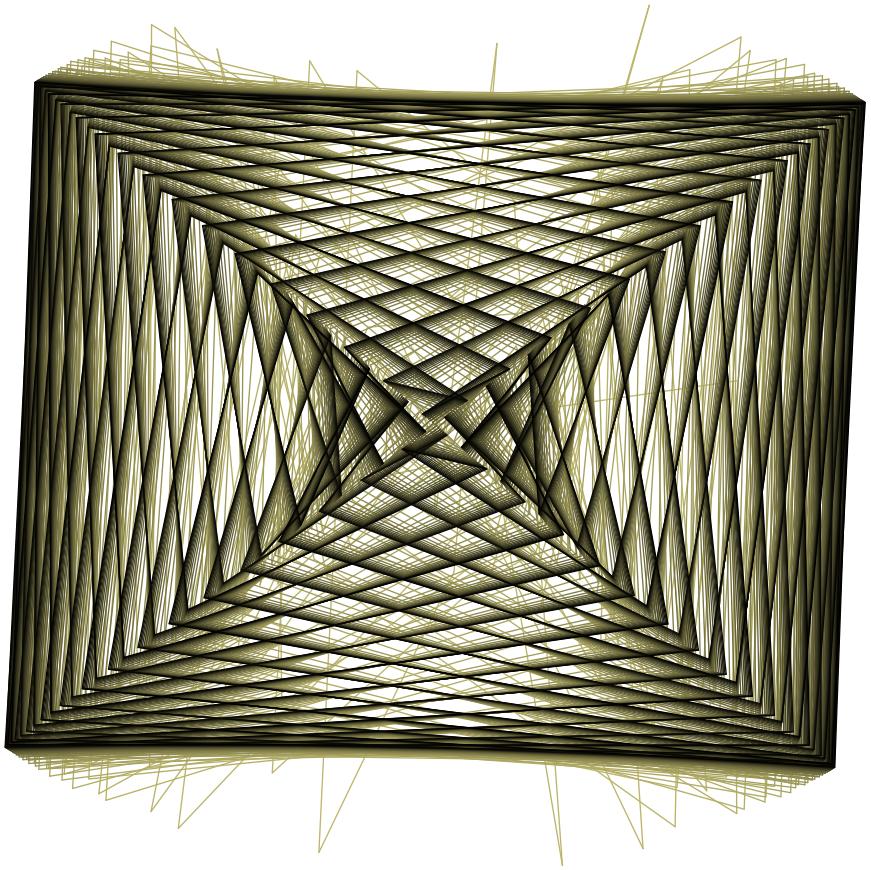
Armadillo variations II

Signa in silico 2001



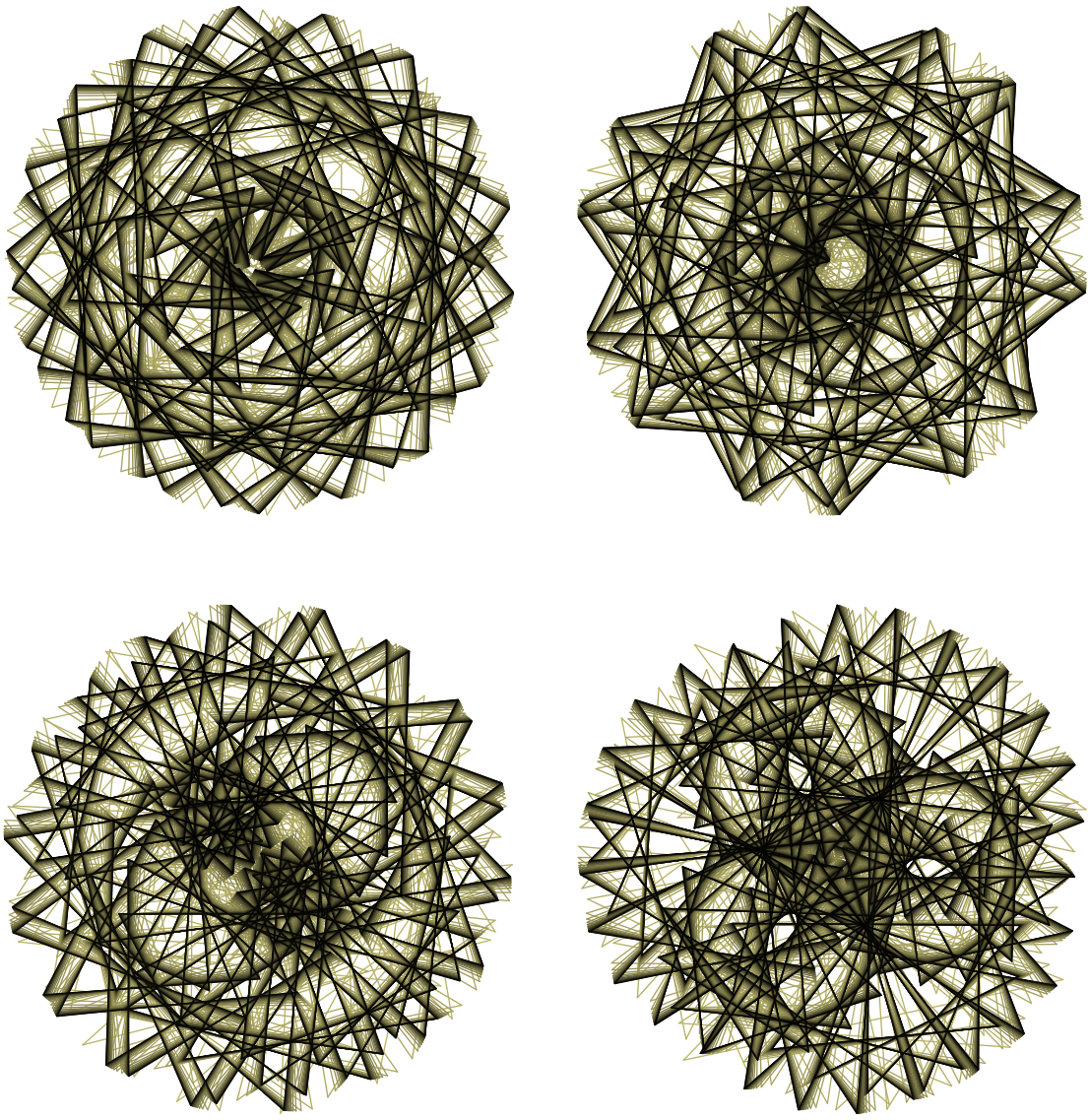
Armadillo variations II

Signa in silico 2001



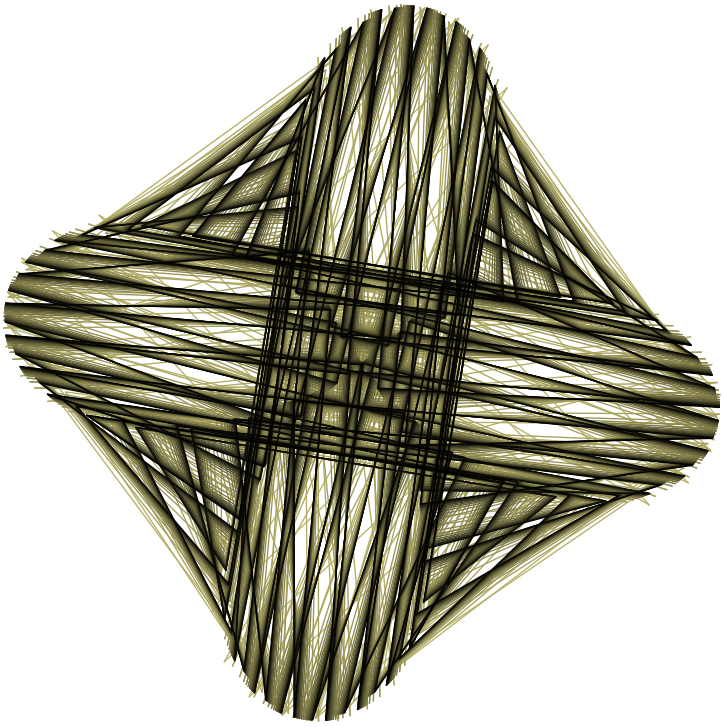
Armadillo variations II

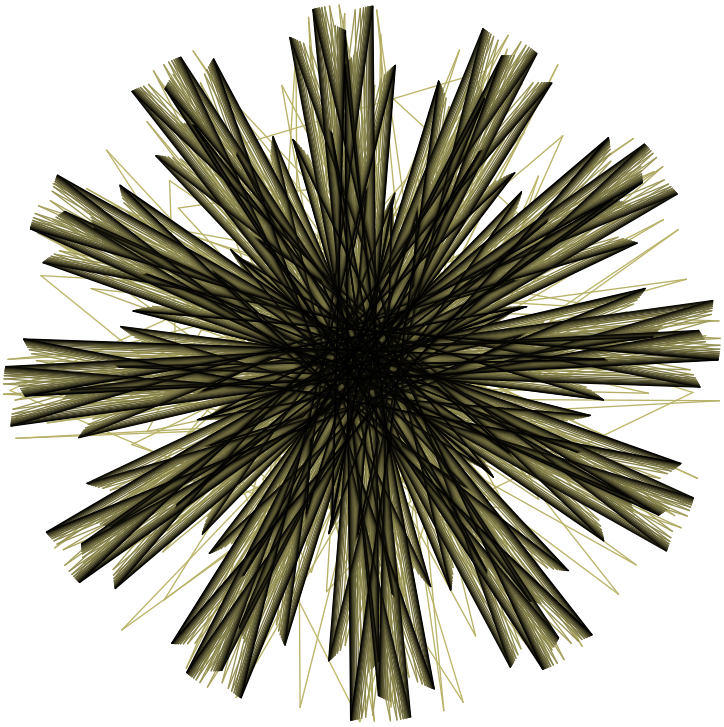
Signa in silico 2001



Armadillo variations II

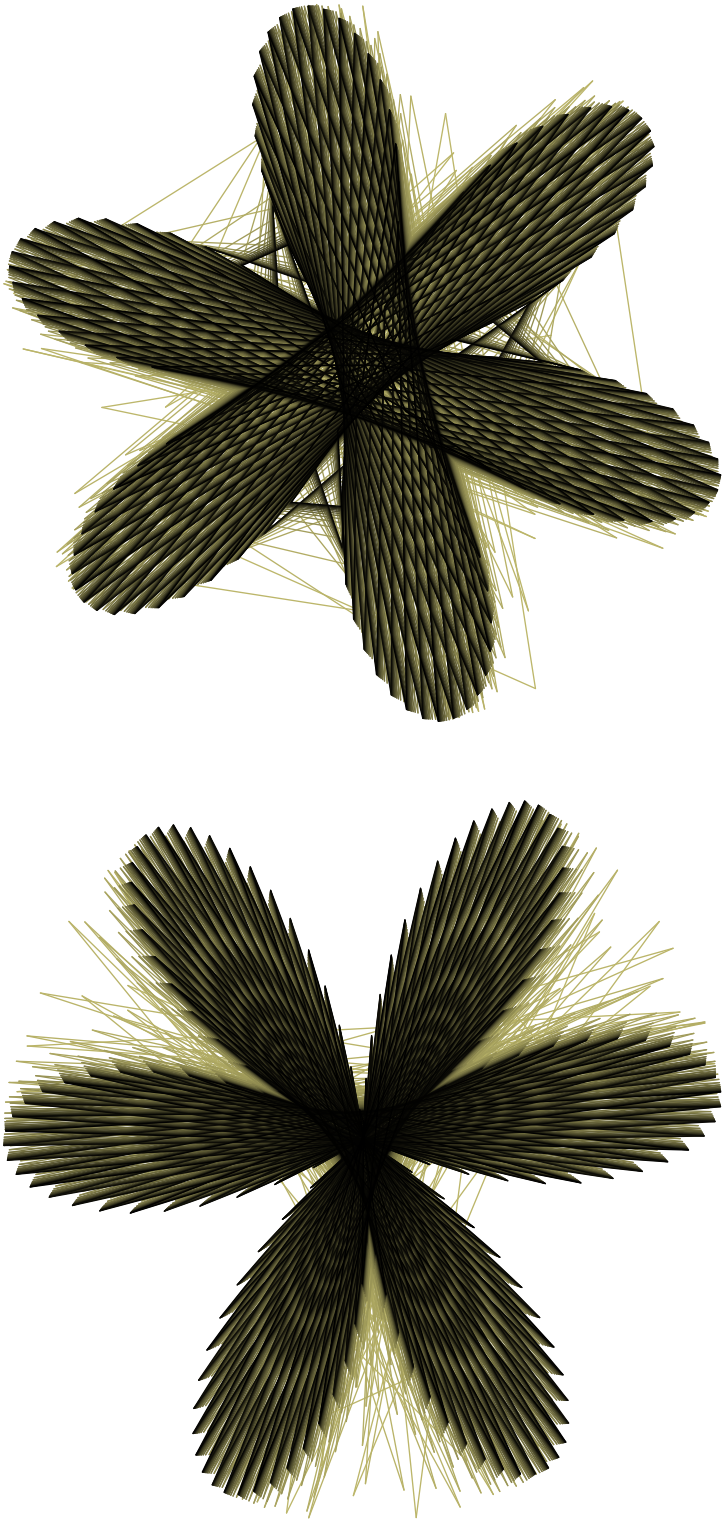
Signa in silico 2001





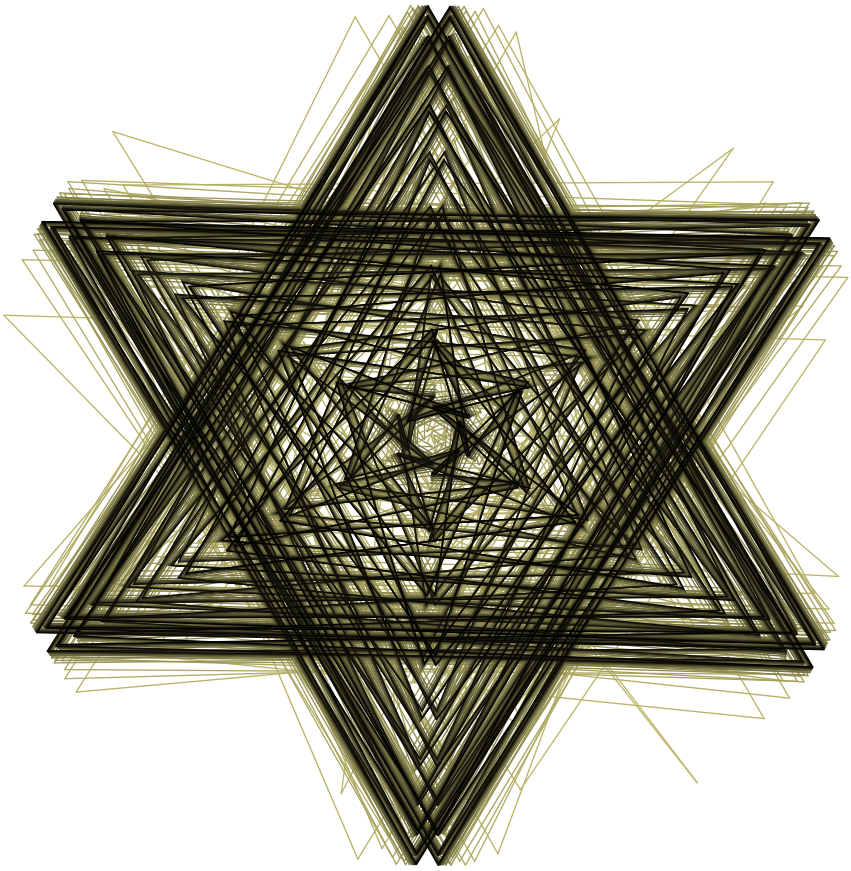
Armadillo variations II

Signa in silico 2001



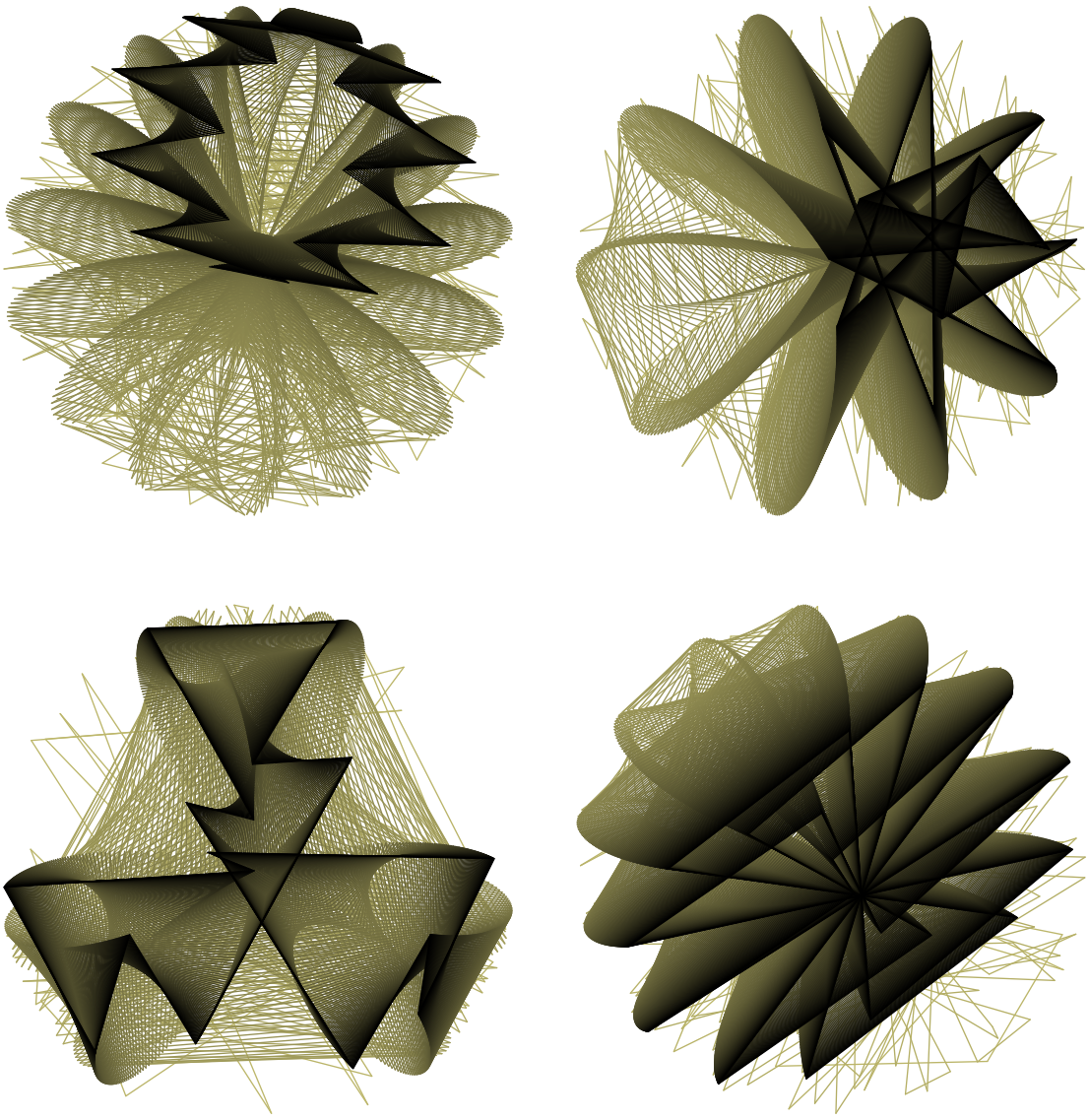
Armadillo variations II

Signa in silico 2001



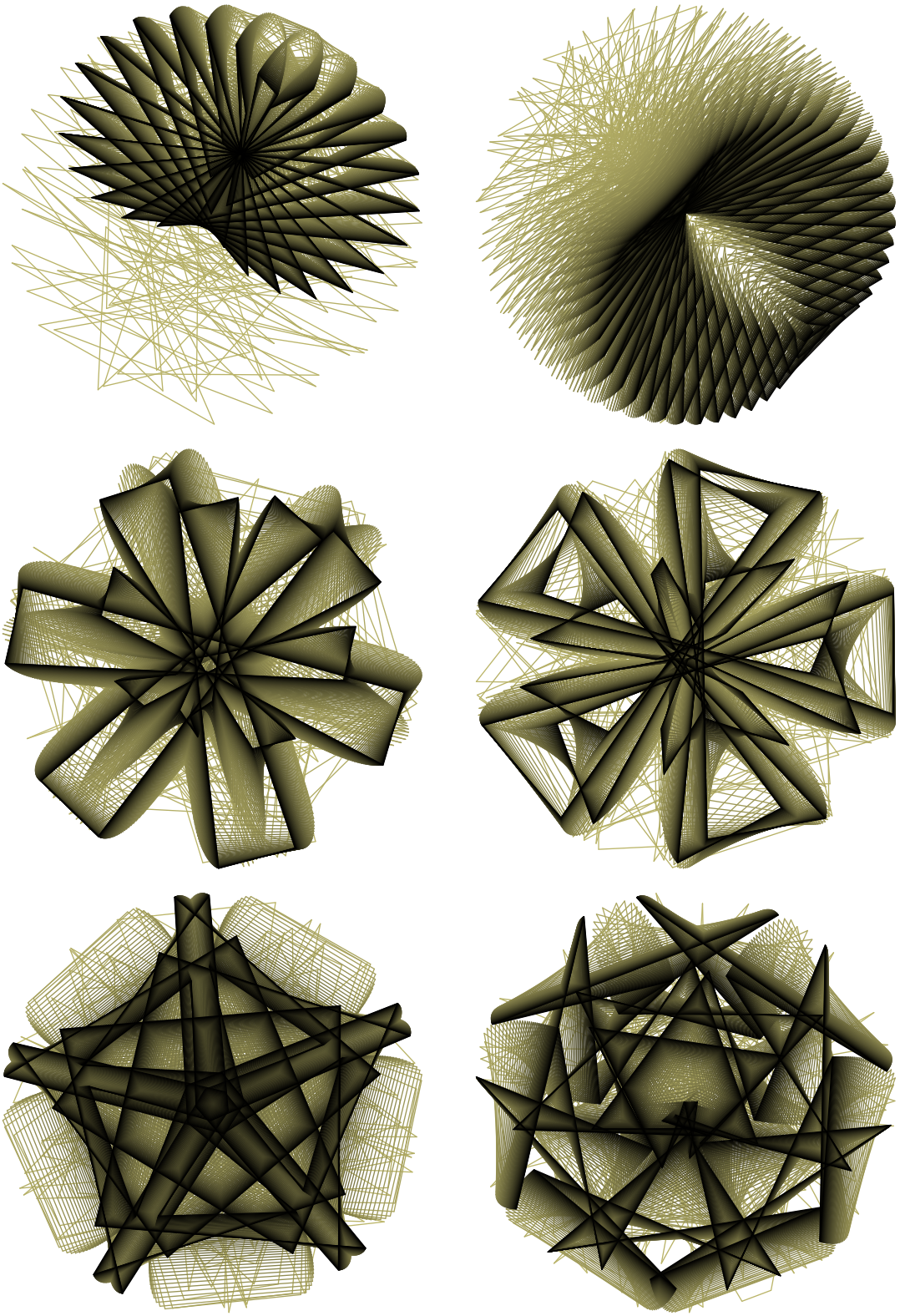
Synagogue

Signa in silico 2001



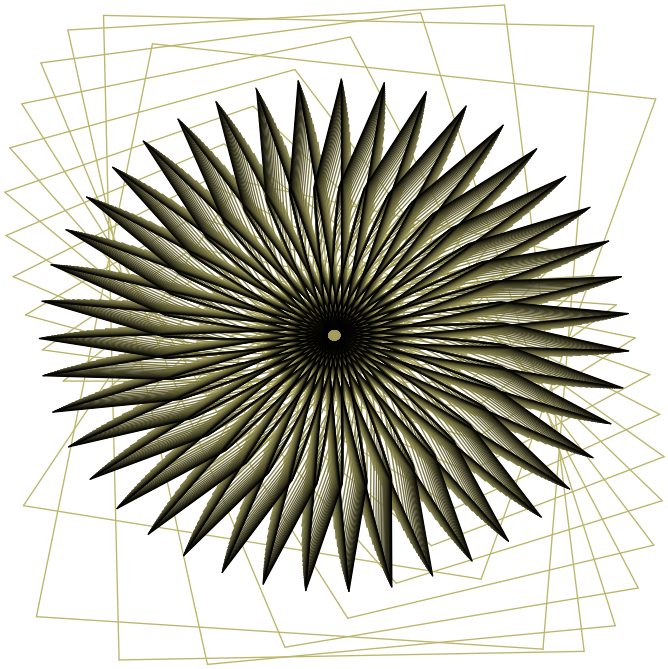
Armadillo variations II

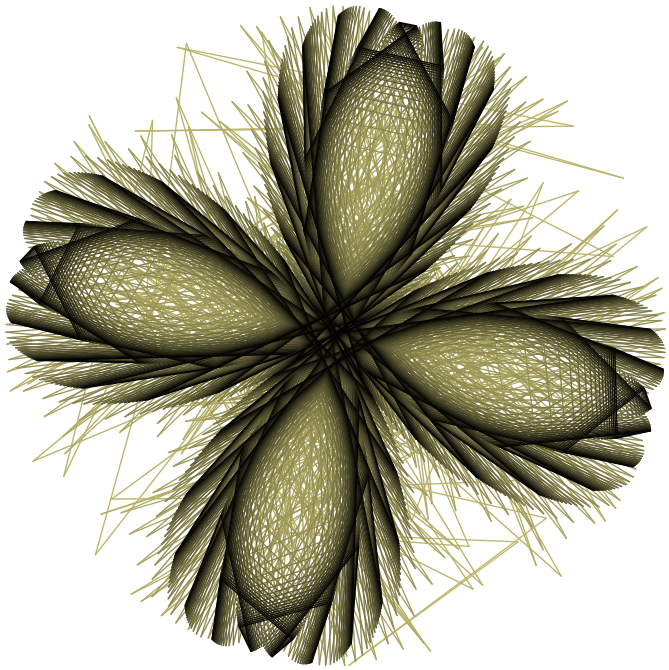
Signa in silico 2001



Armadillo variations II

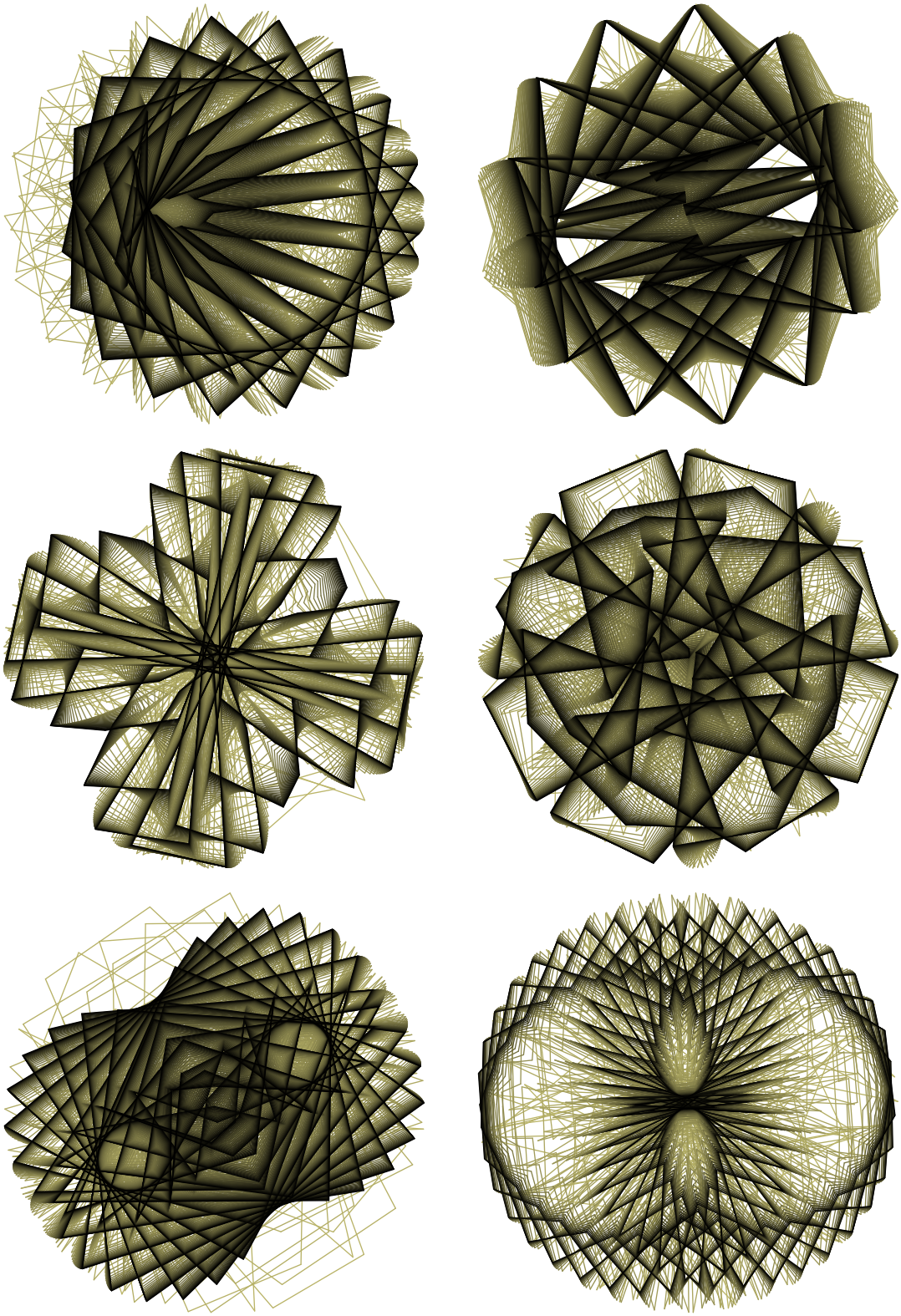
Signa in silico 2001





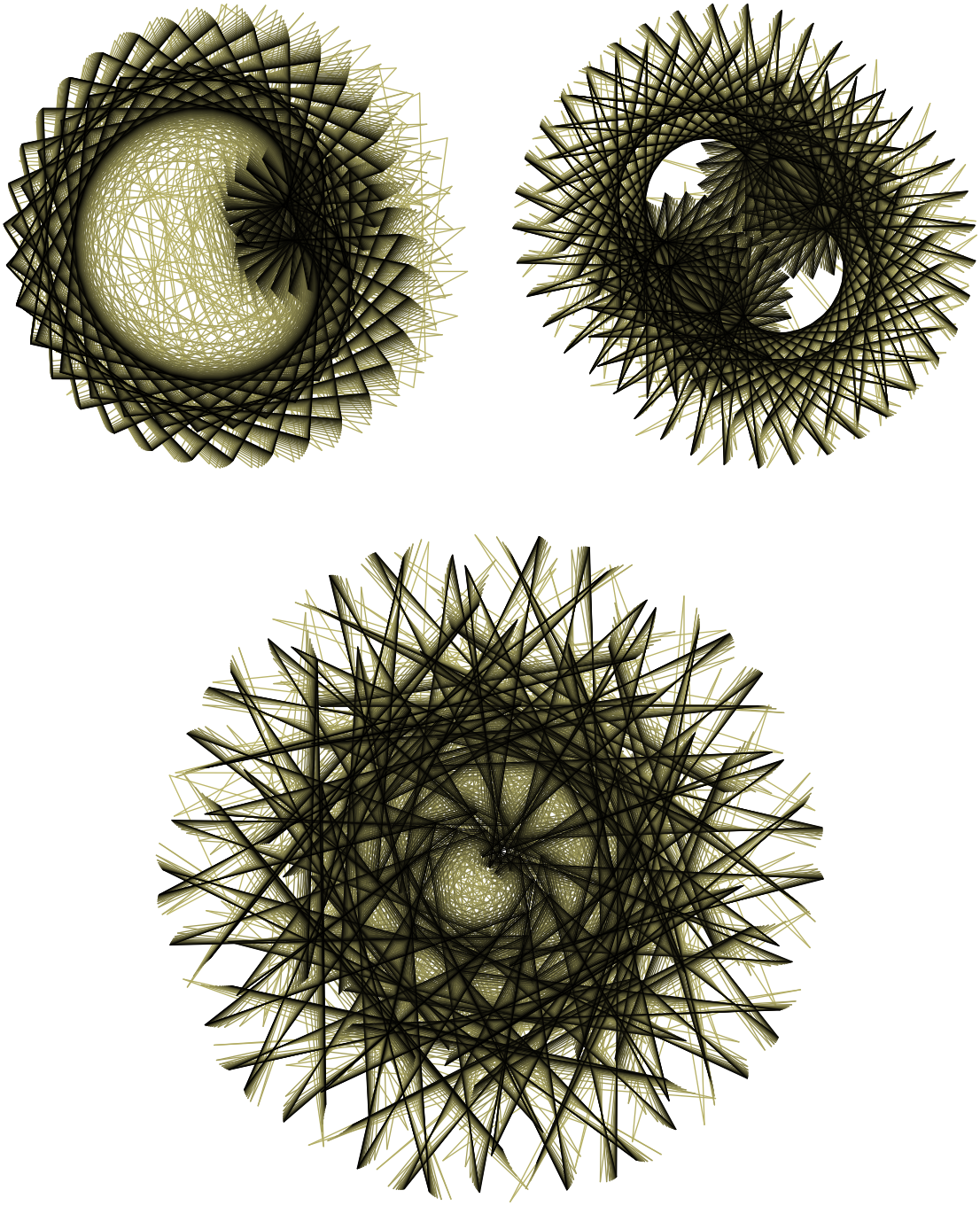
Armadillo variations II

Signa in silico 2001



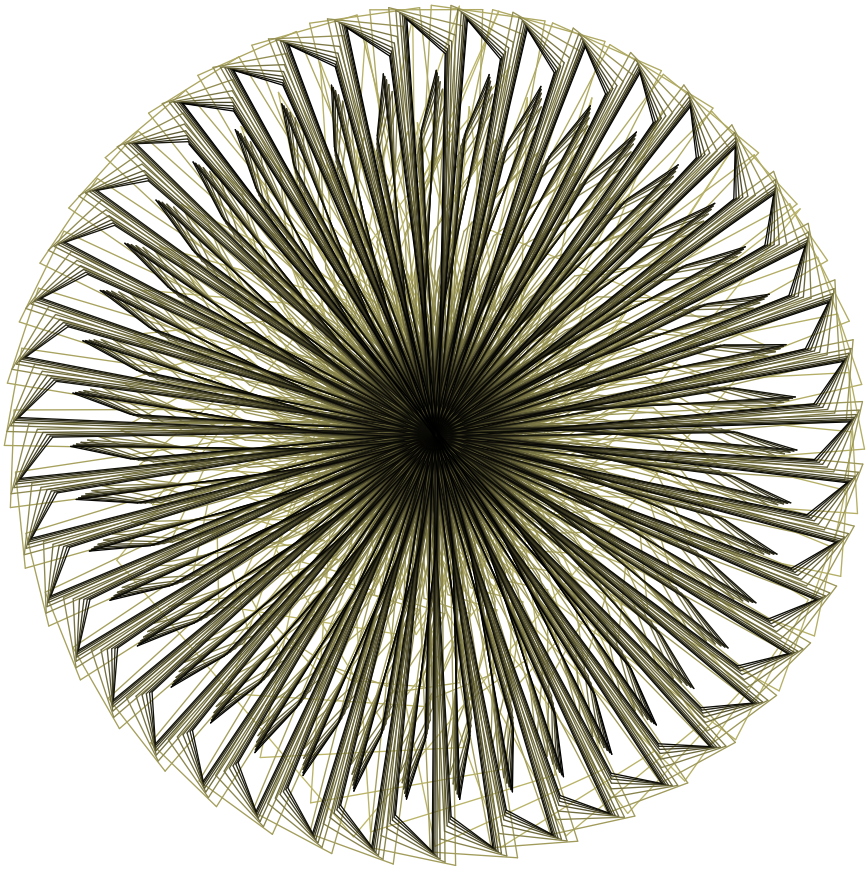
Armadillo variations II

Signa in silico 2001



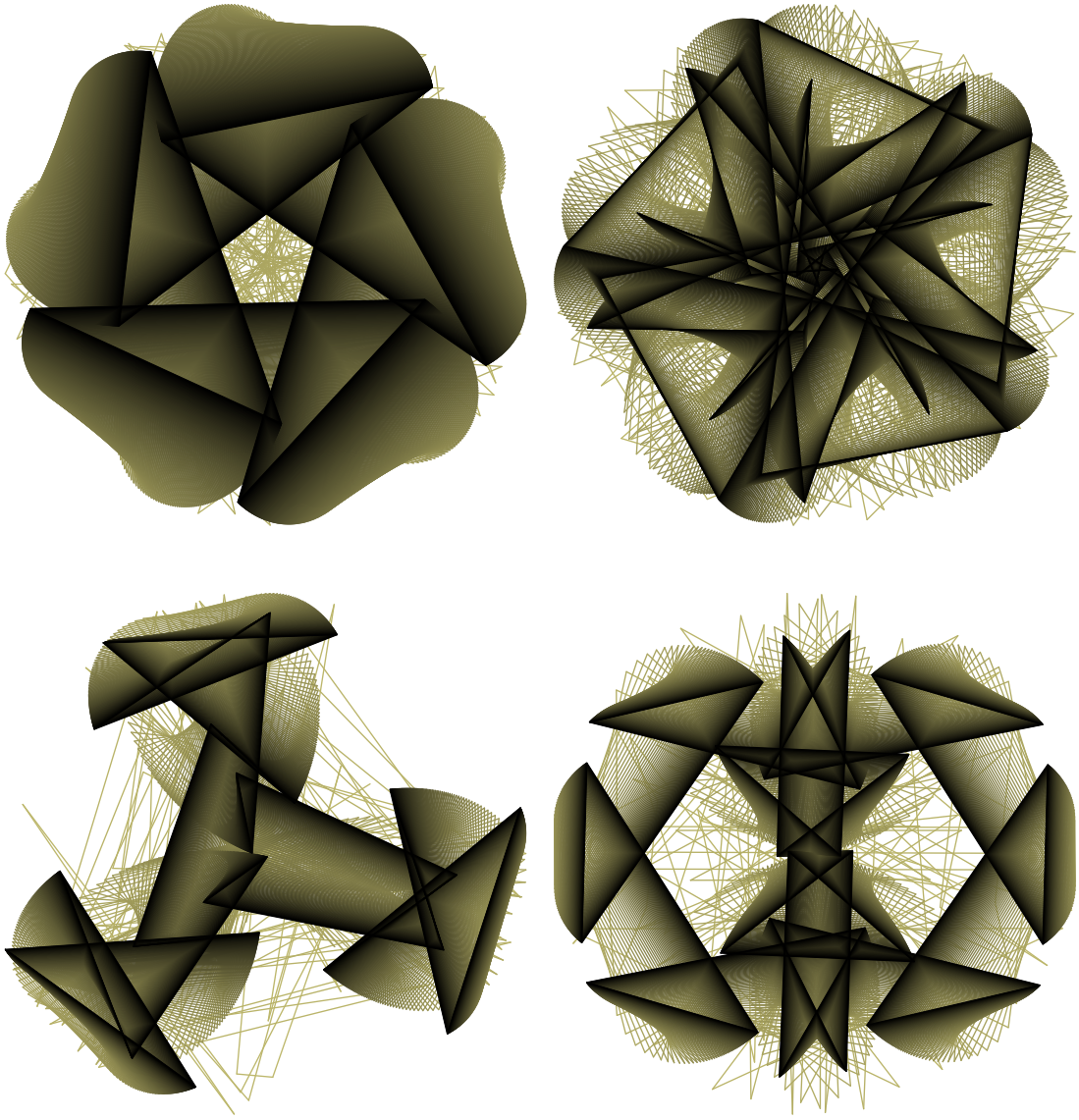
Armadillo variations II

Signa in silico 2001



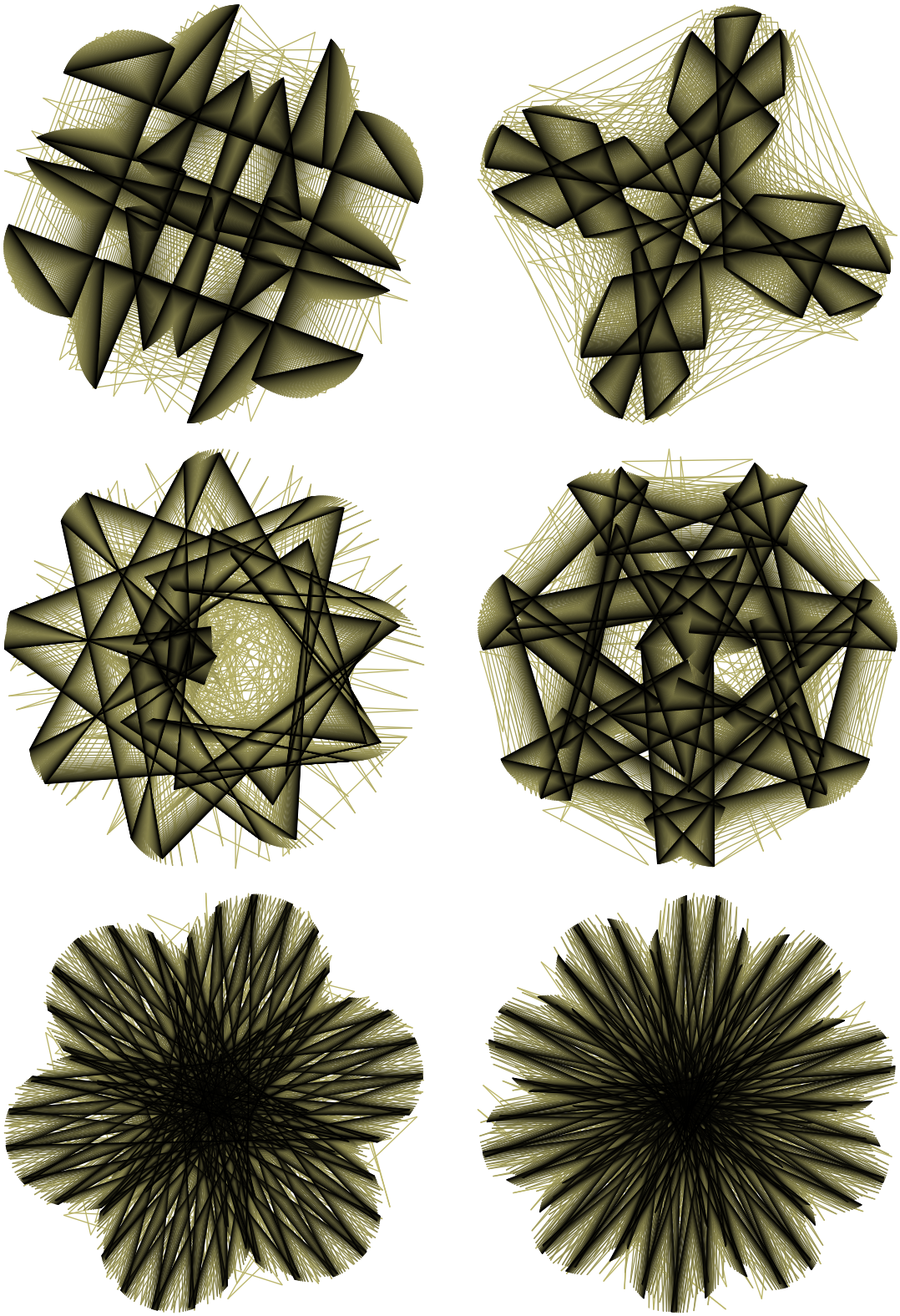
Armadillo variation II

Signa in silico 2001



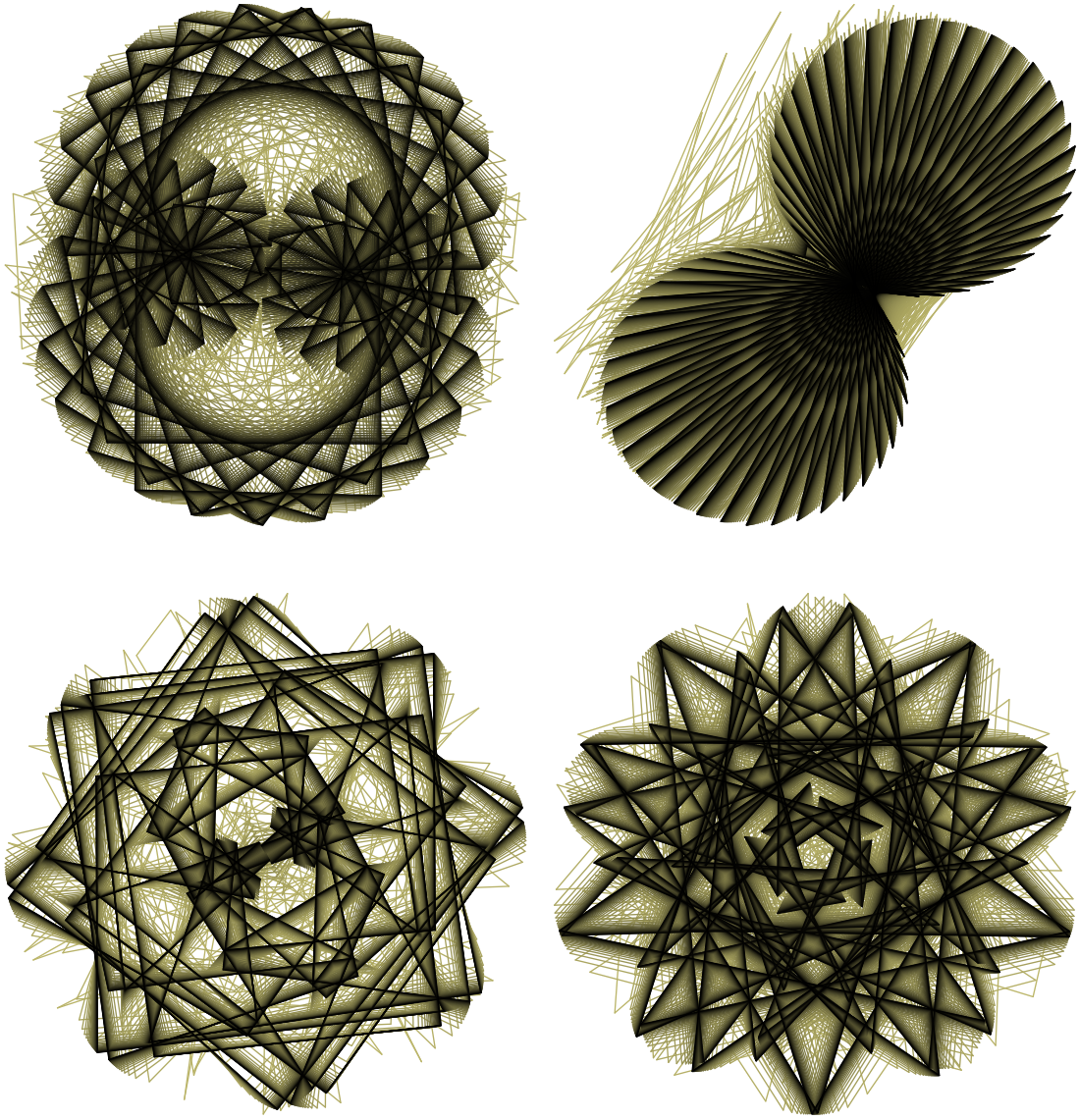
Dark dreams

Signa in silico 2001



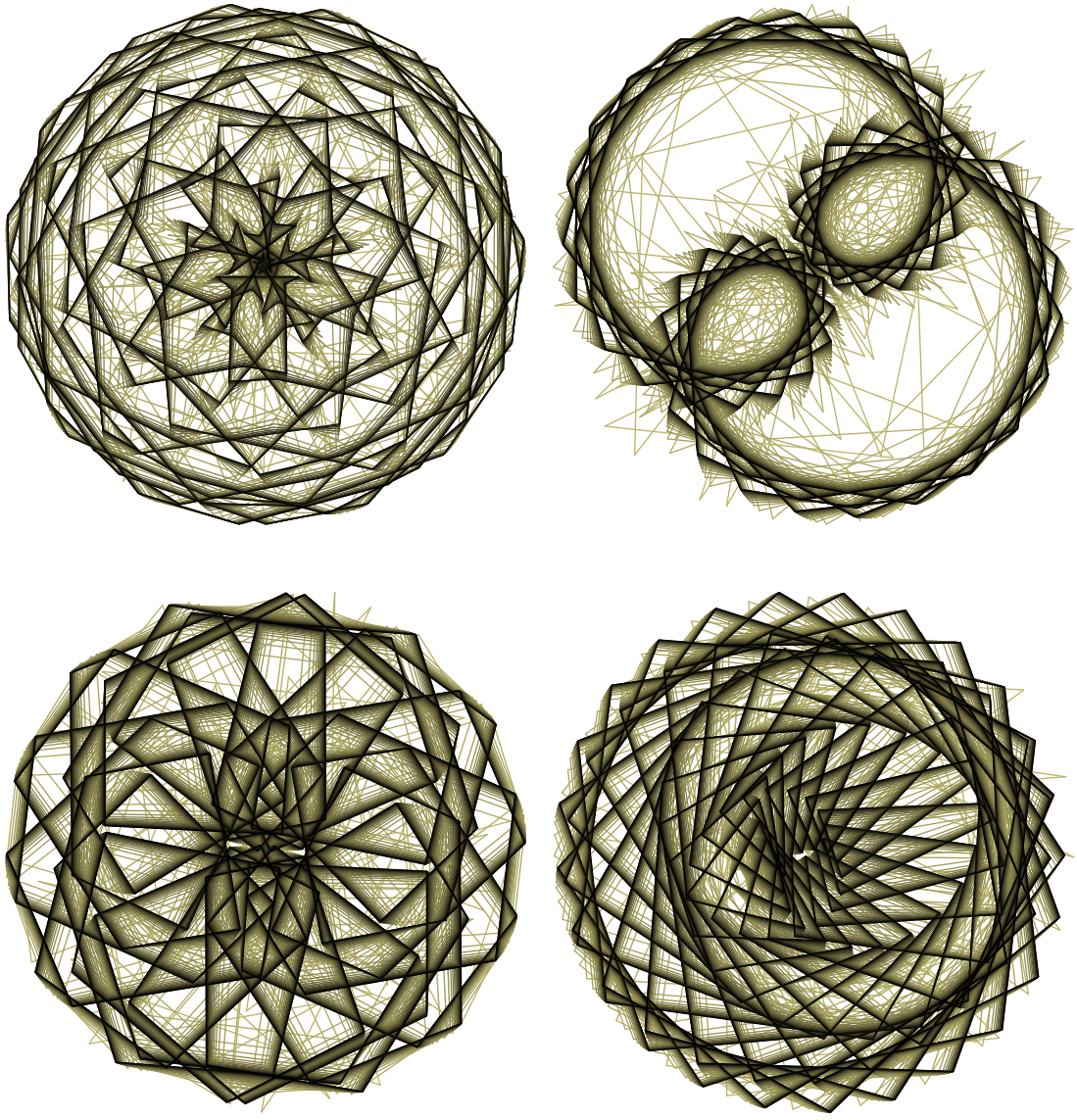
Dark dreams

Signa in silico 2001



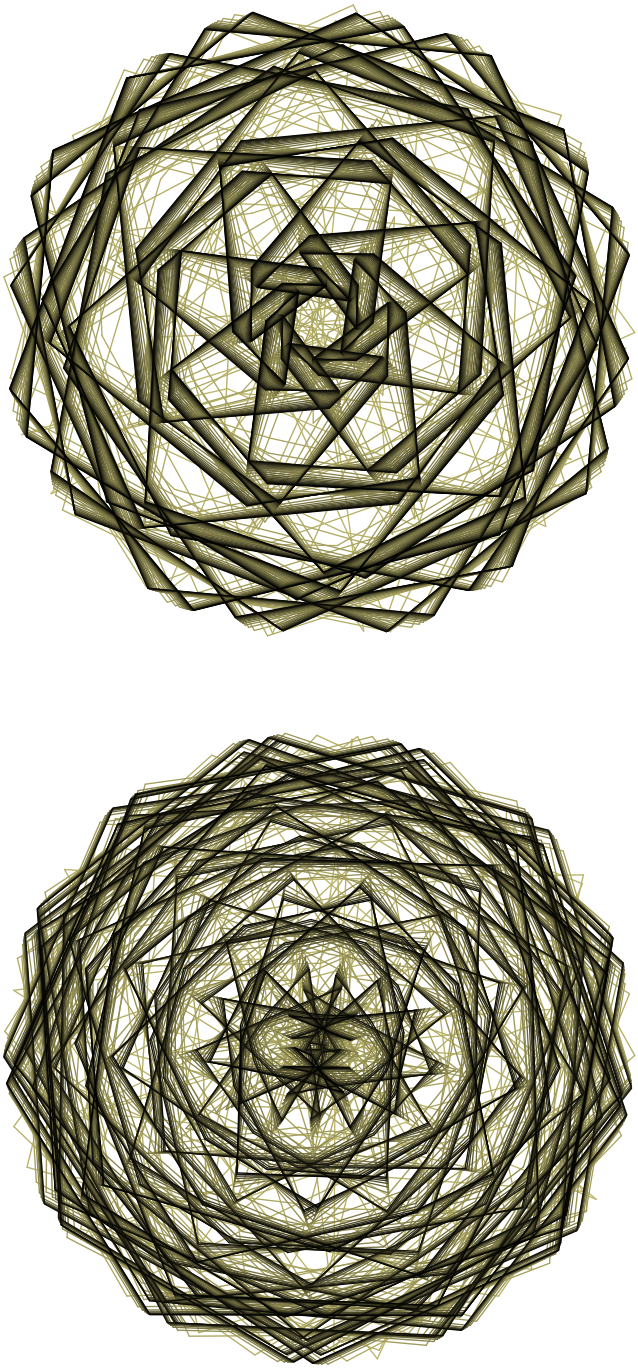
Dark dreams

Signa in silico 2001



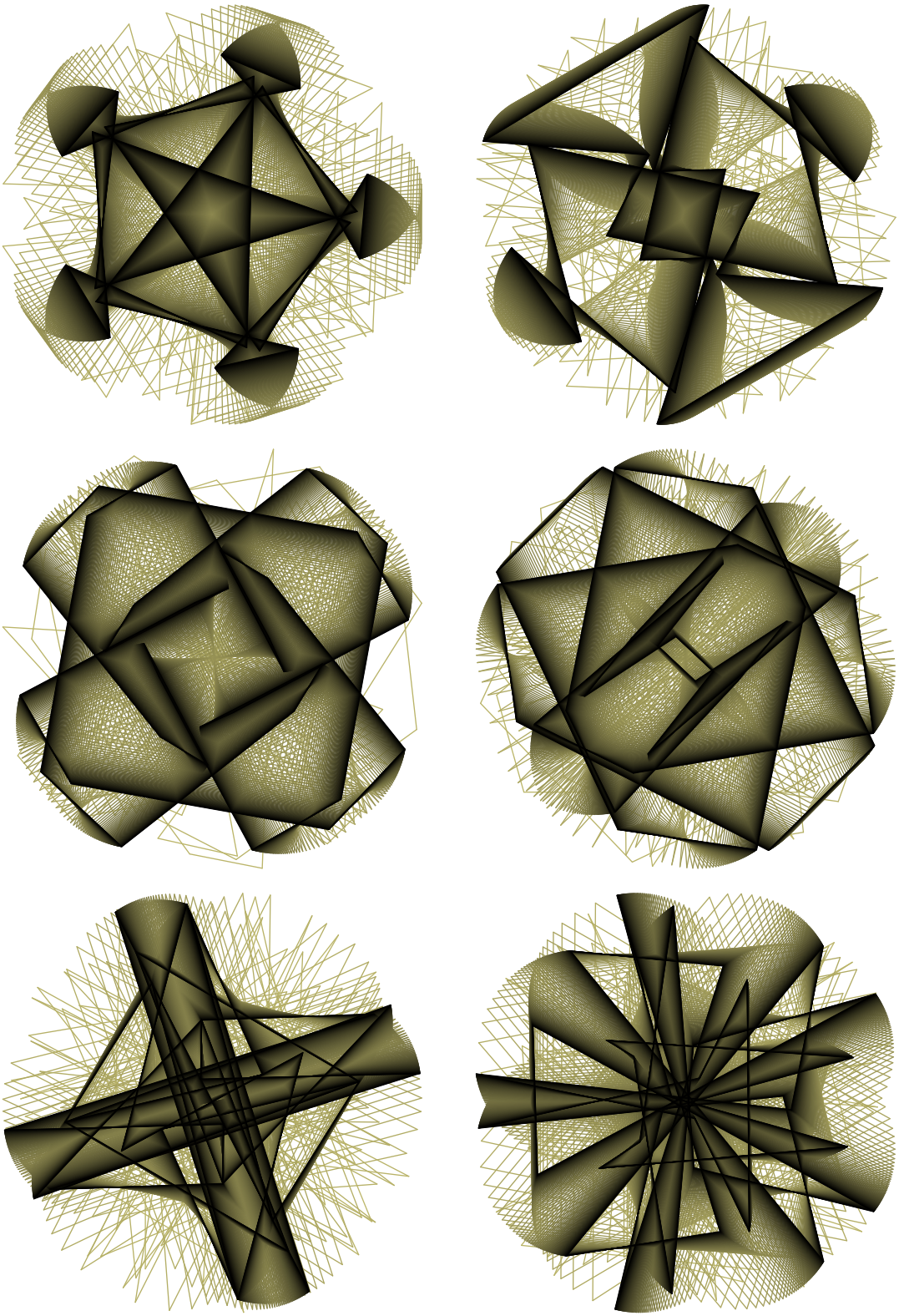
Dark dreams

Signa in silico 2001



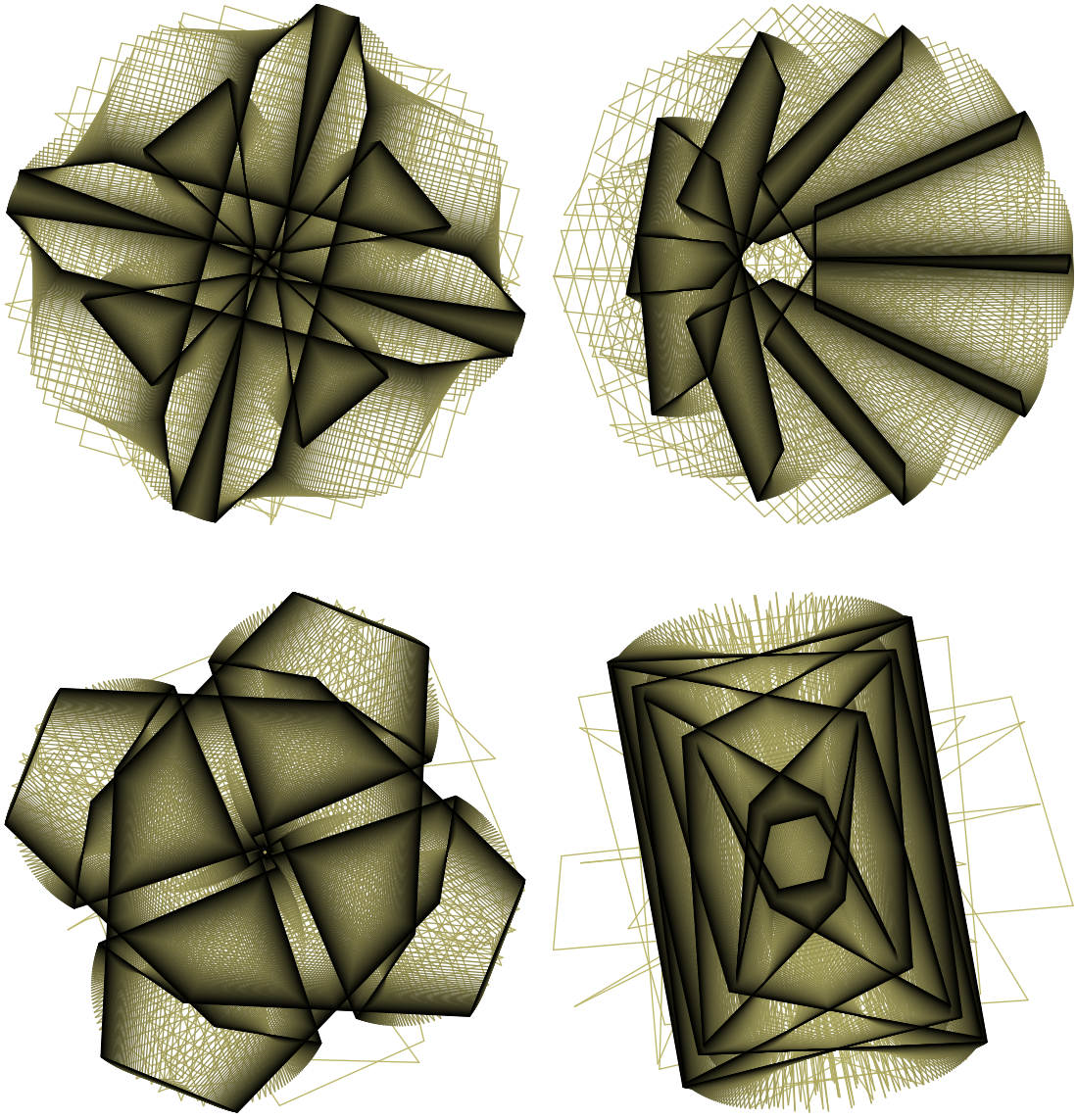
Dark dreams

Signa in silico 2001



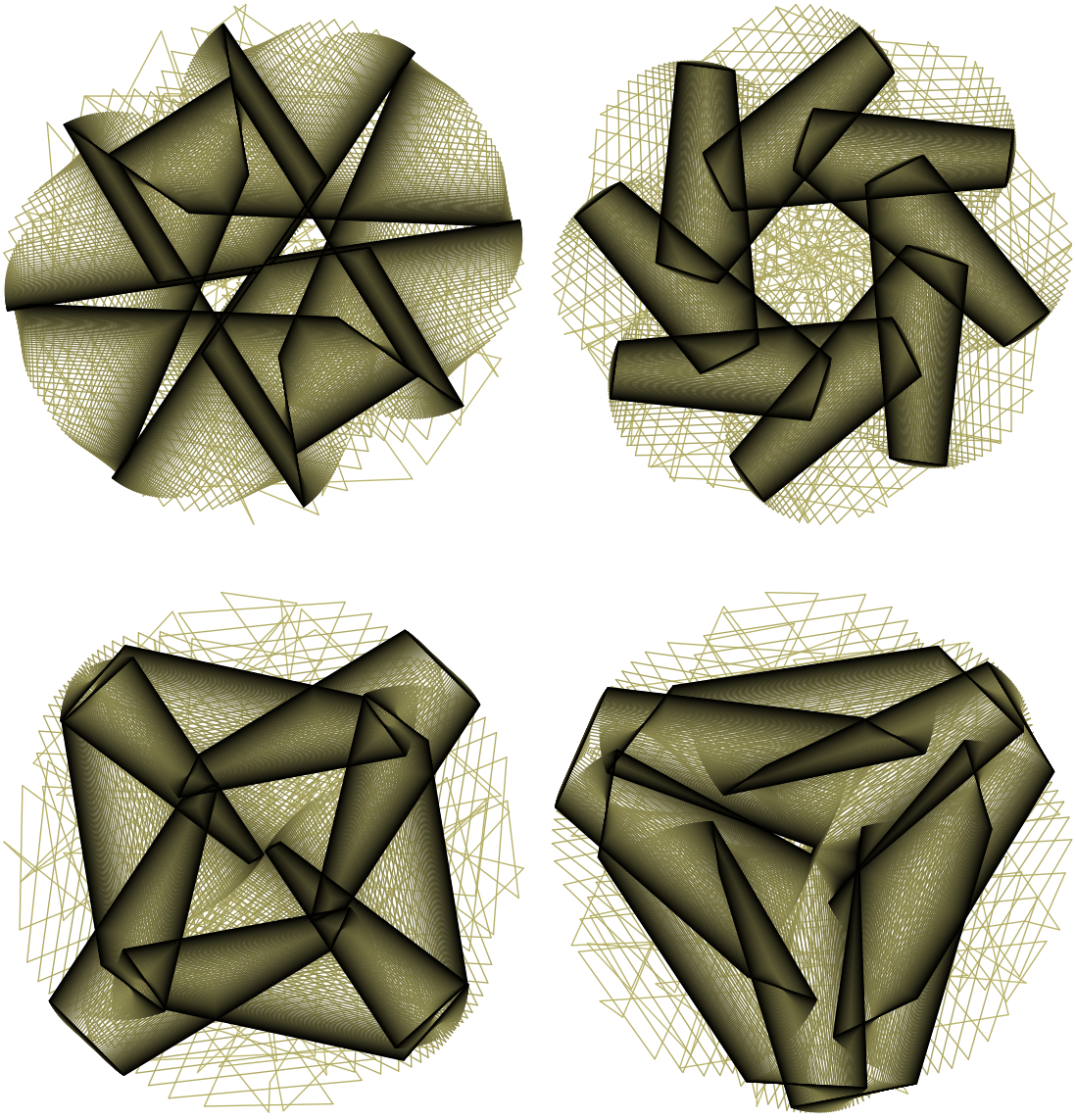
Dark dreams

Signa in silico 2001



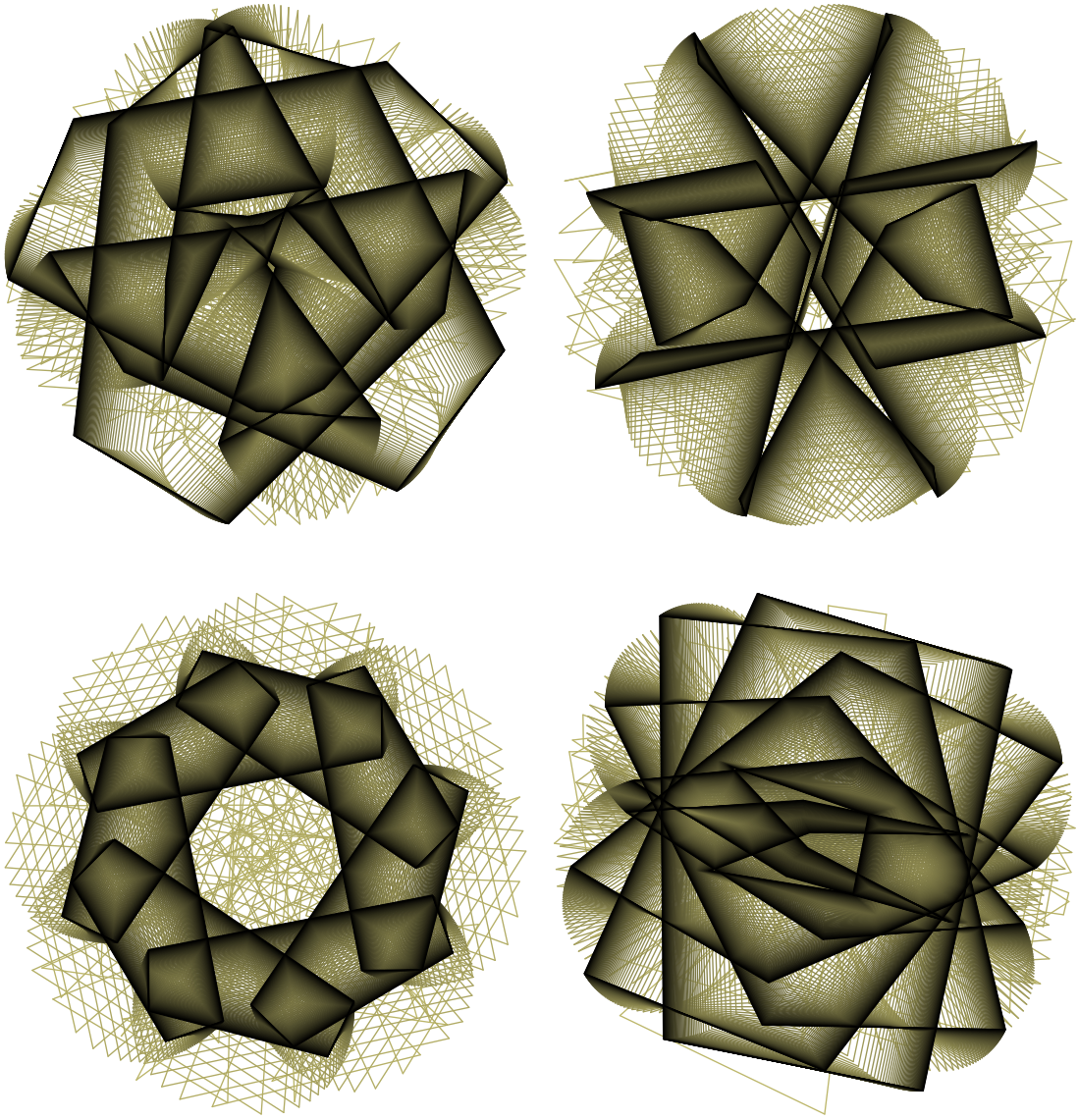
Dark dreams

Signa in silico 2001



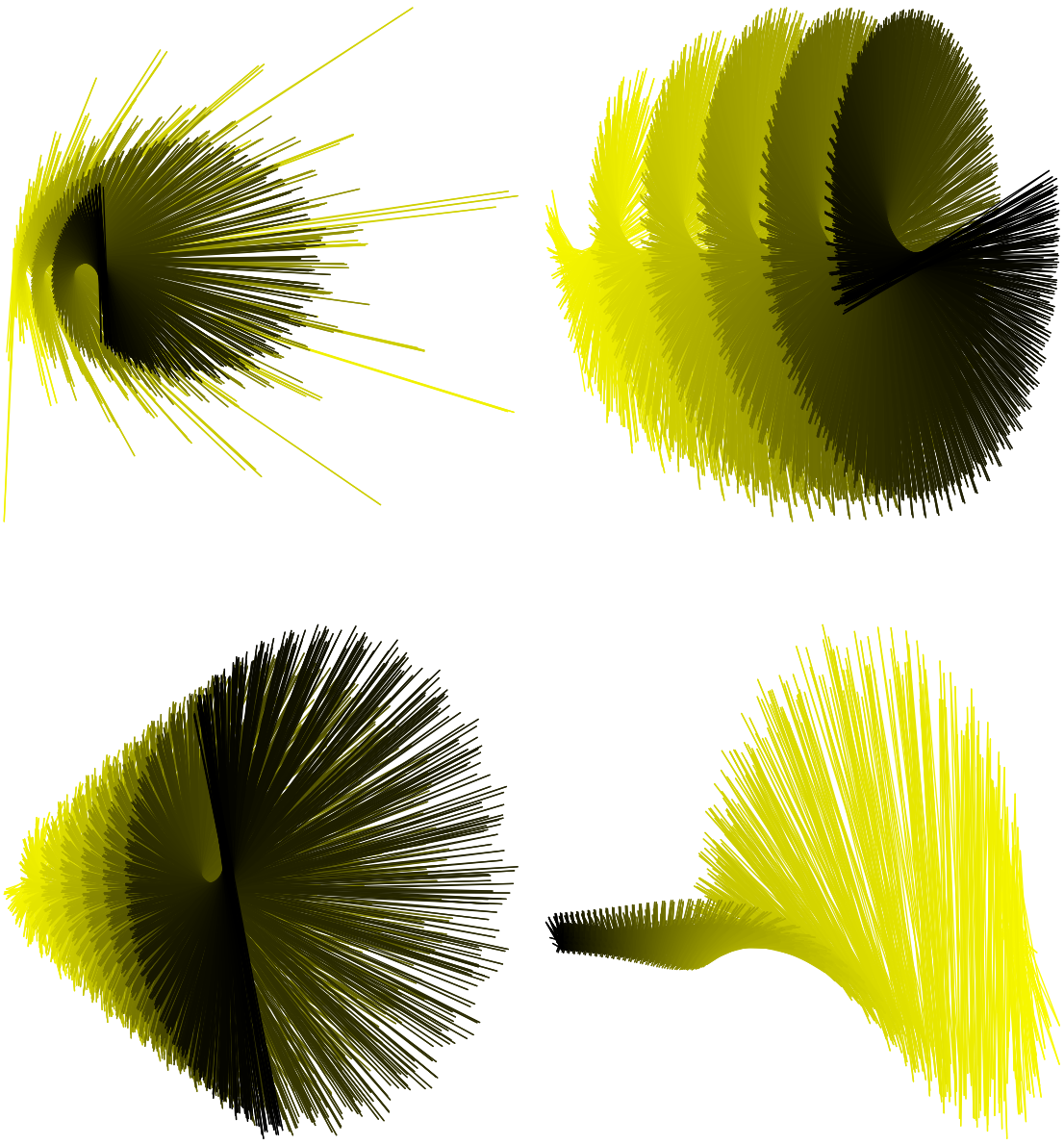
Dark dreams

Signa in silico 2001



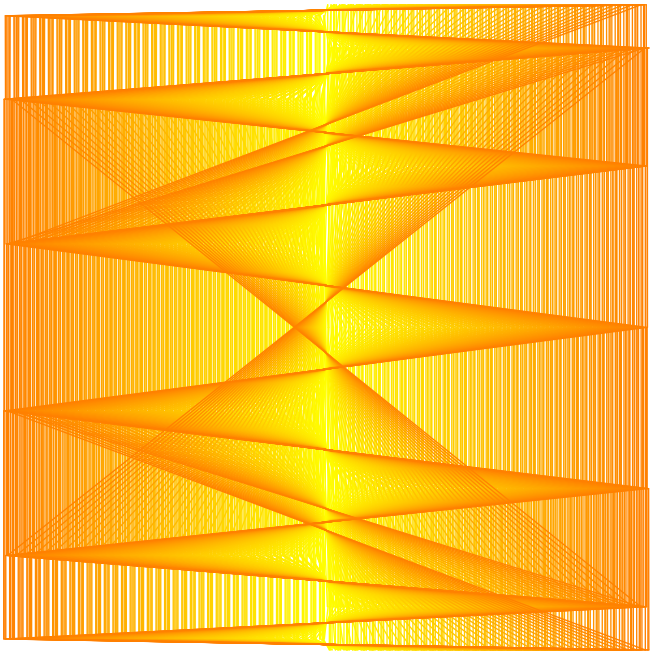
Dark dreams

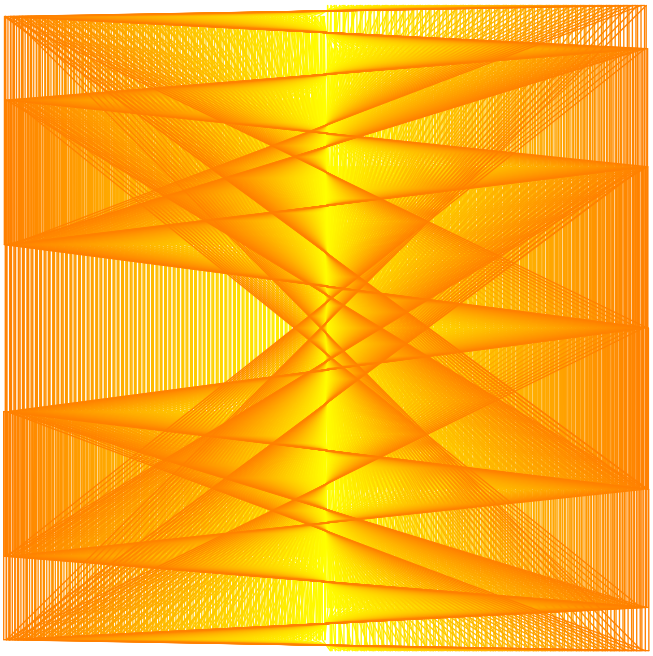
Signa in silico 2001



Viruses are quick–change artists

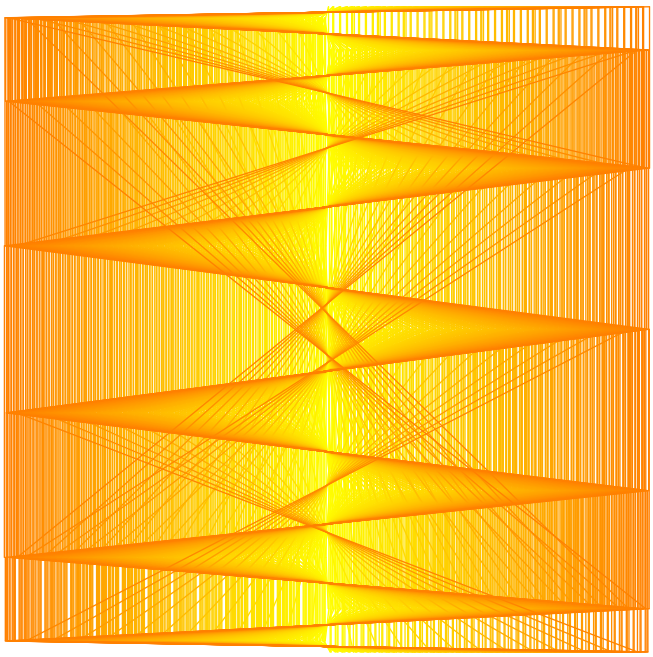
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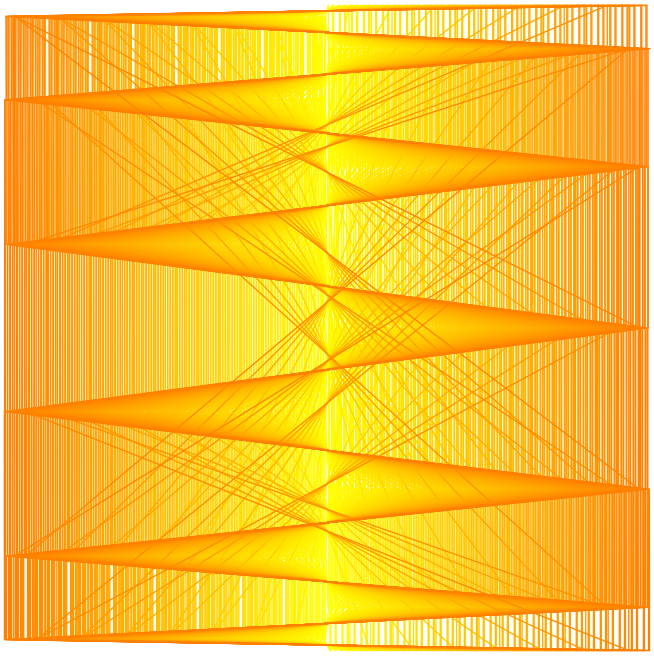




Rhythmic divisions of a square

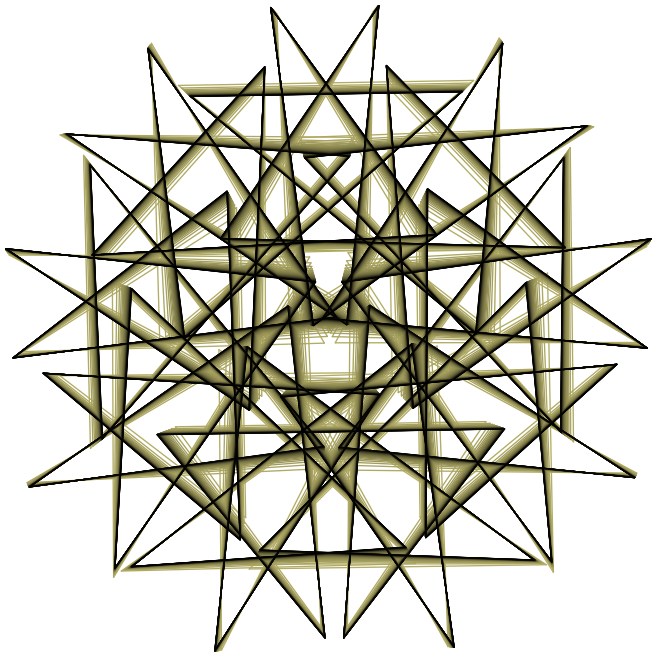
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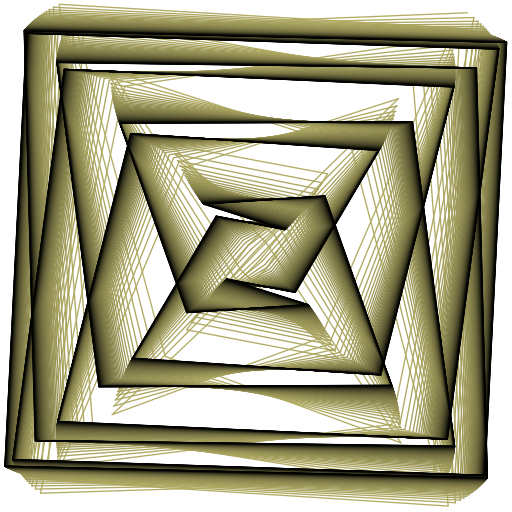


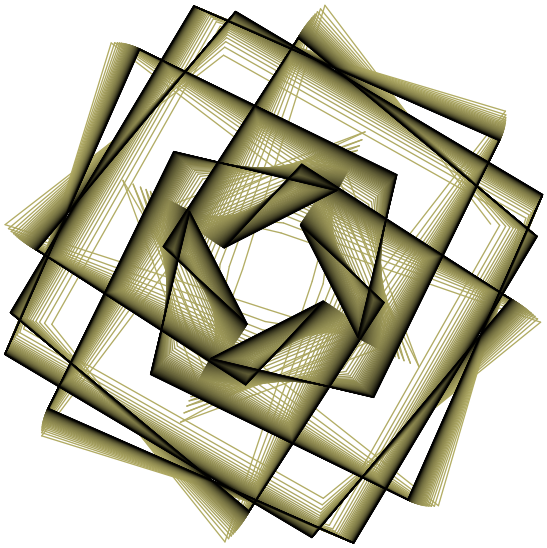


Rhythmic divisions of a square

Signa in silico 2001

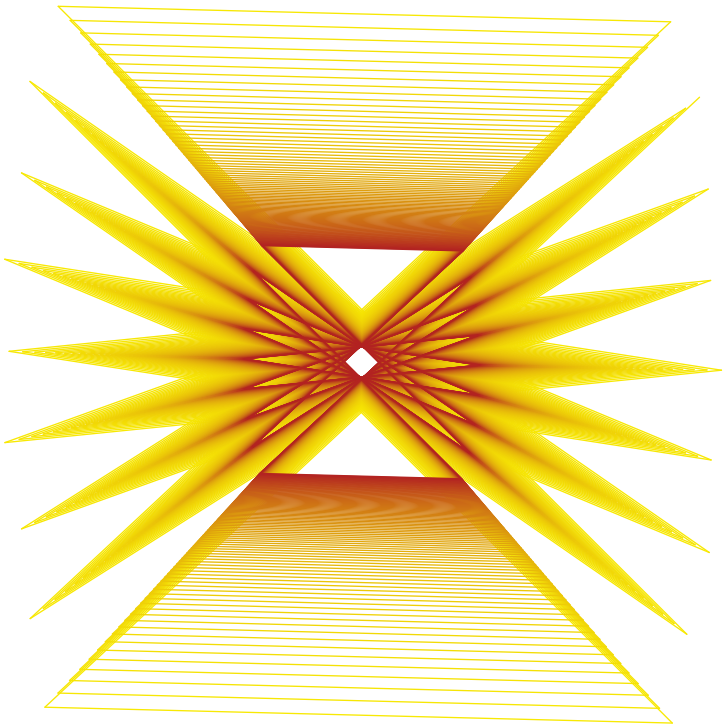






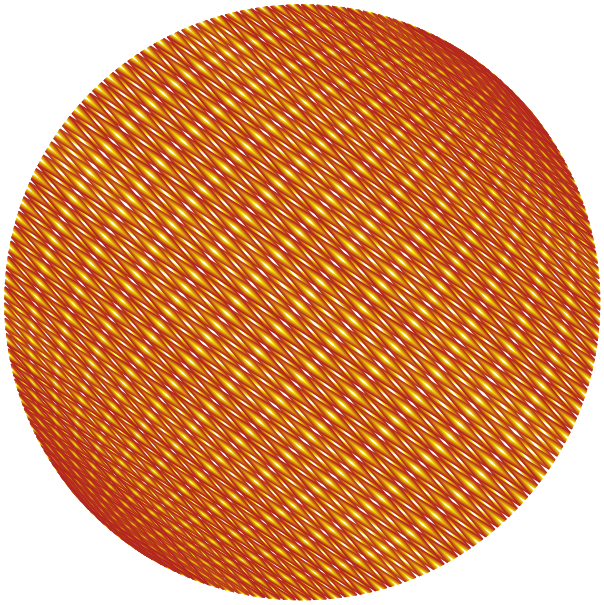
Tiahuanaco

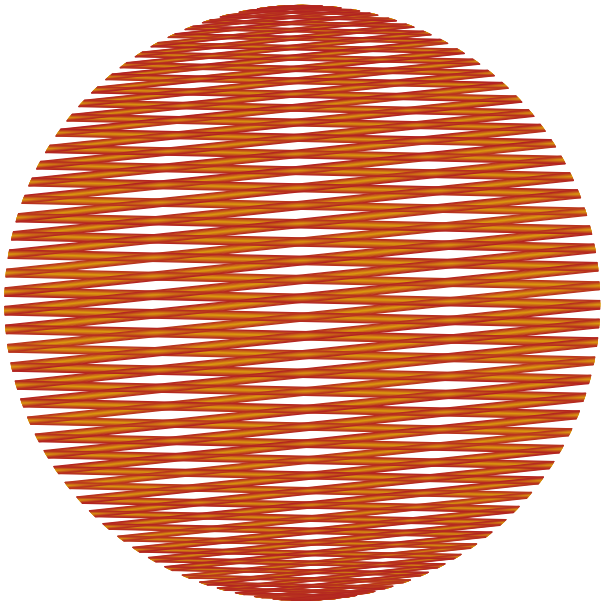
Signa in silico 2001



Tenochtitlan

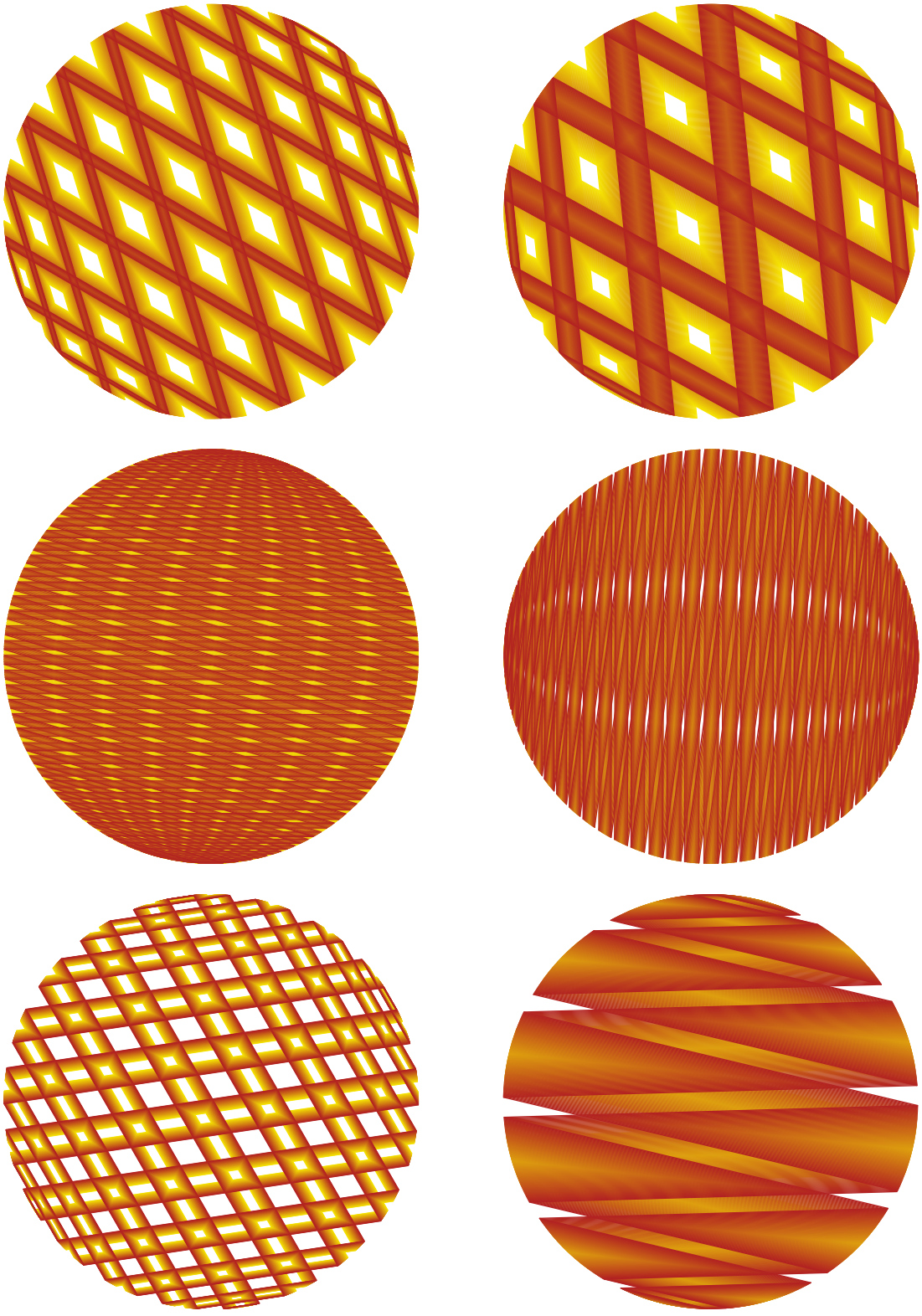
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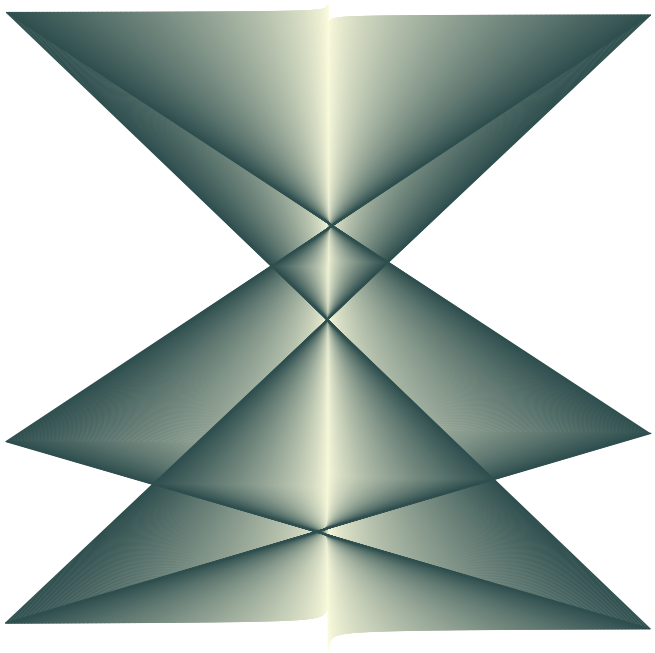
Signa in silico wafers

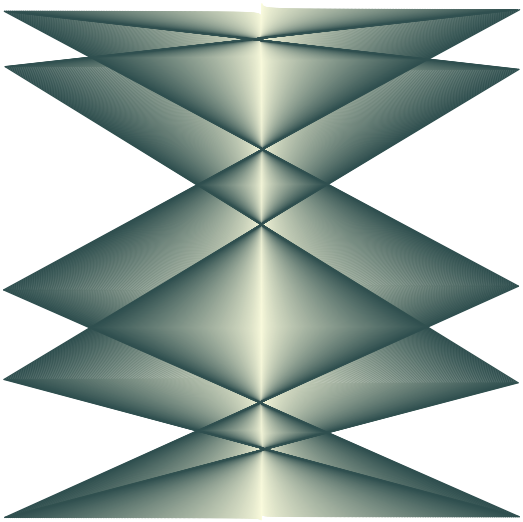
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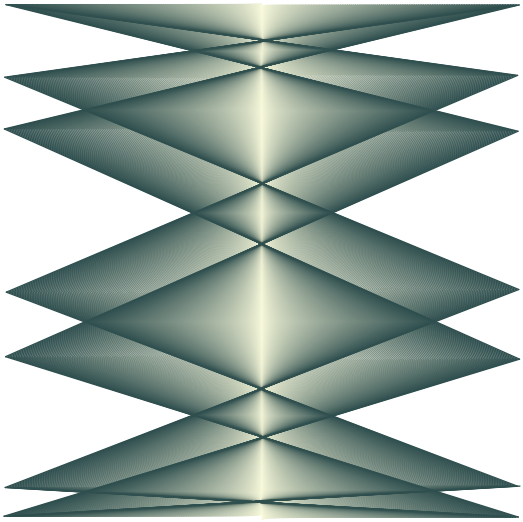


Signa in silico wafers

Signa in silico 2001

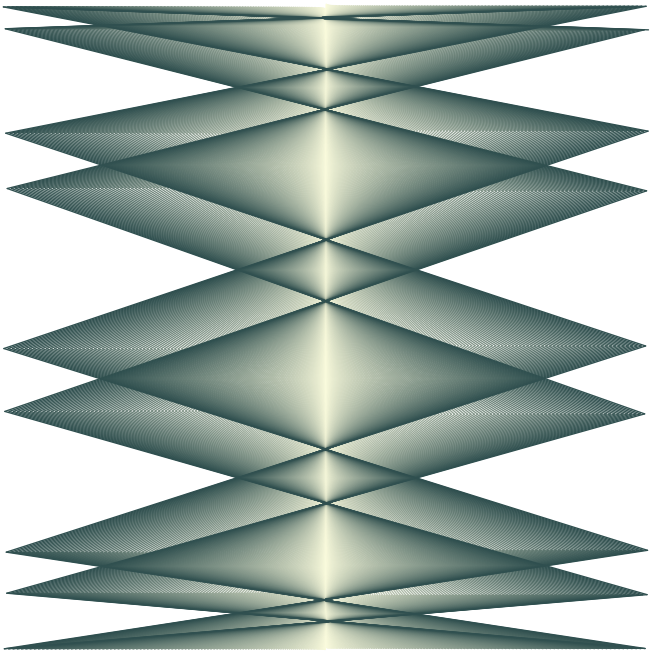


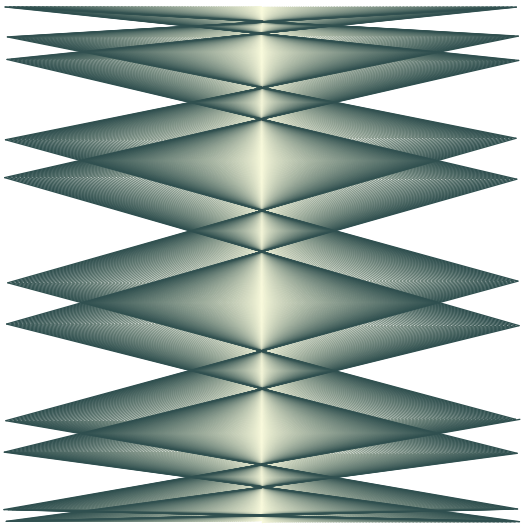


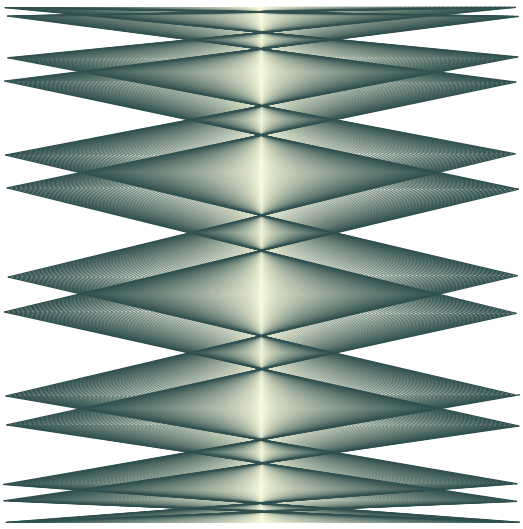


Sound patterns

Signa in silico 2001

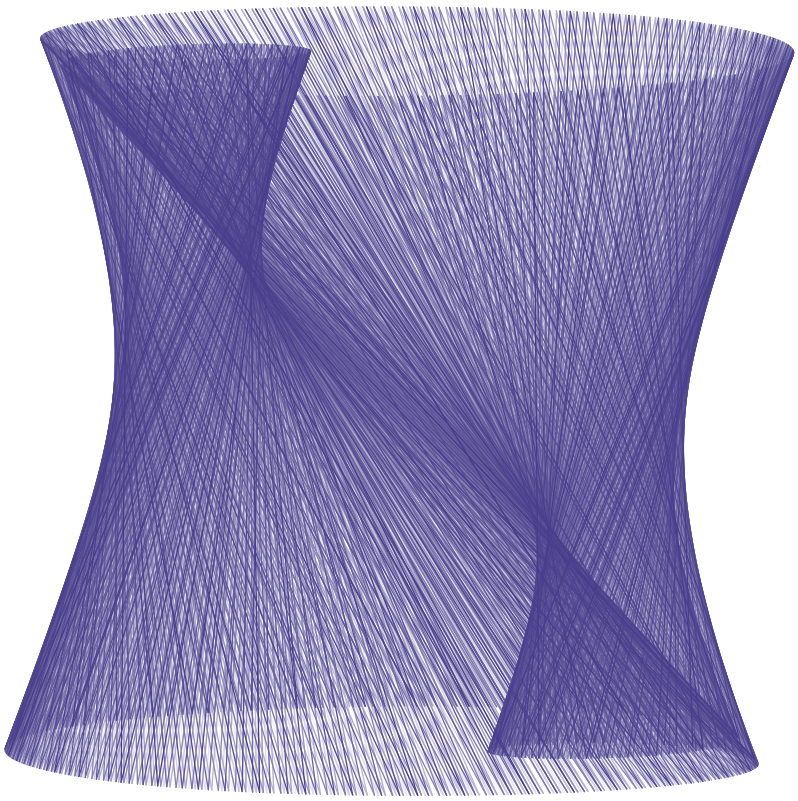






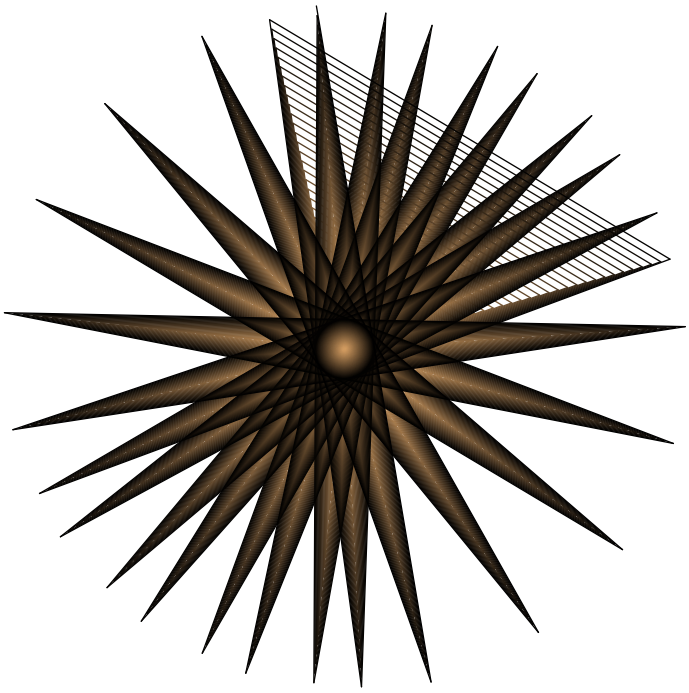
Sound patterns

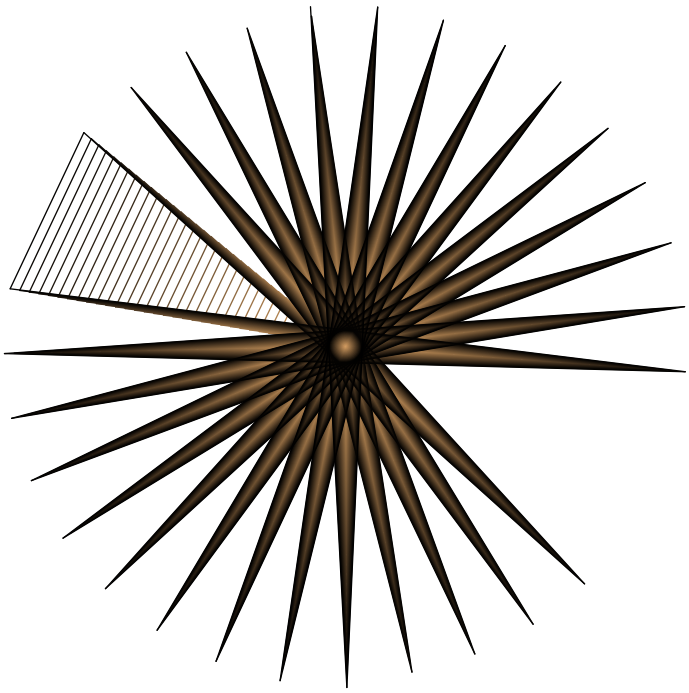
Signa in silico 2001



Pas de deux

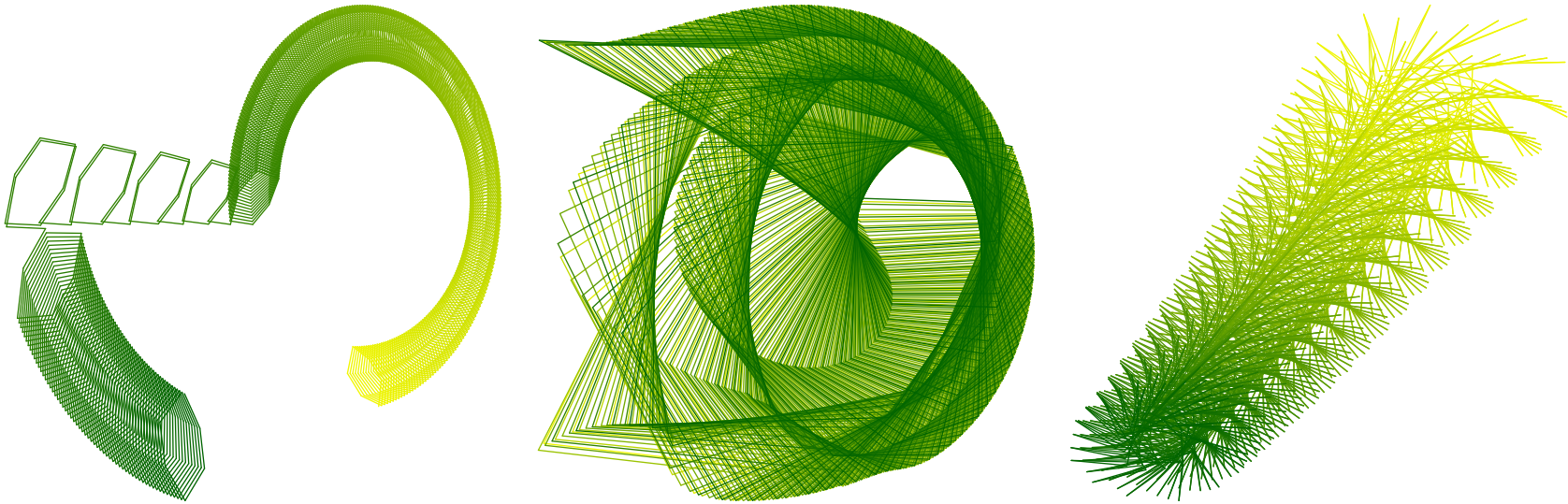
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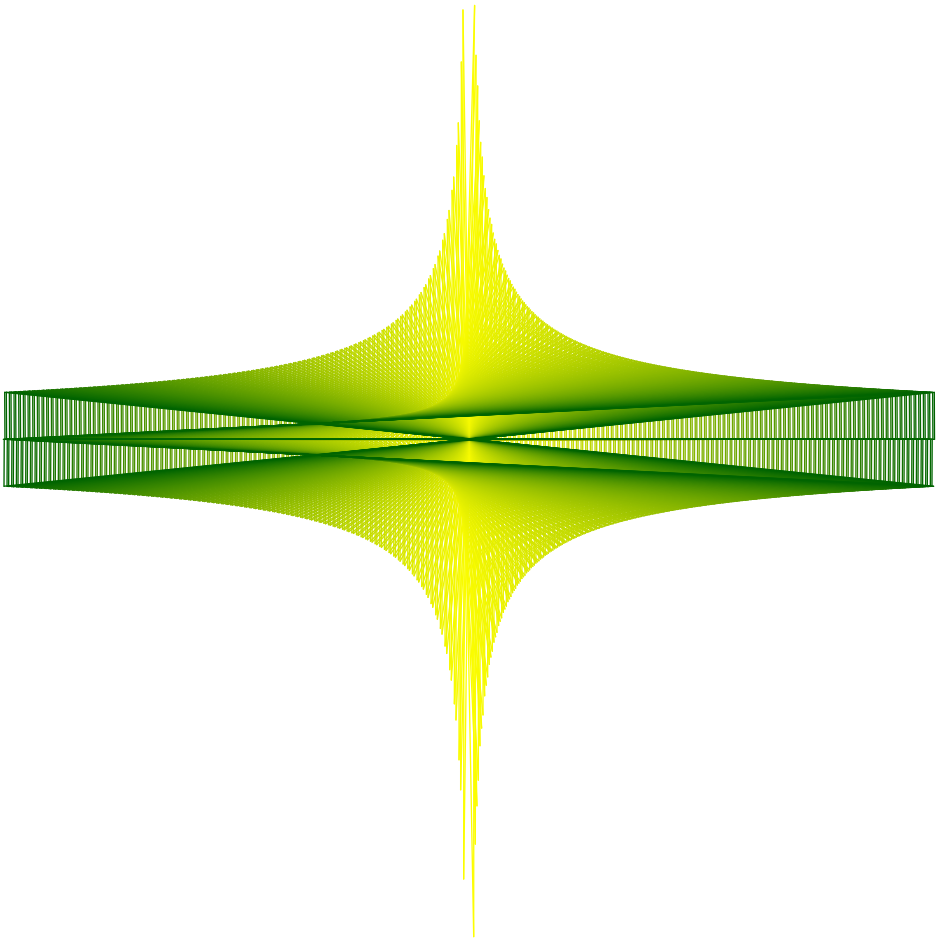
The message

Signa in silico 2001



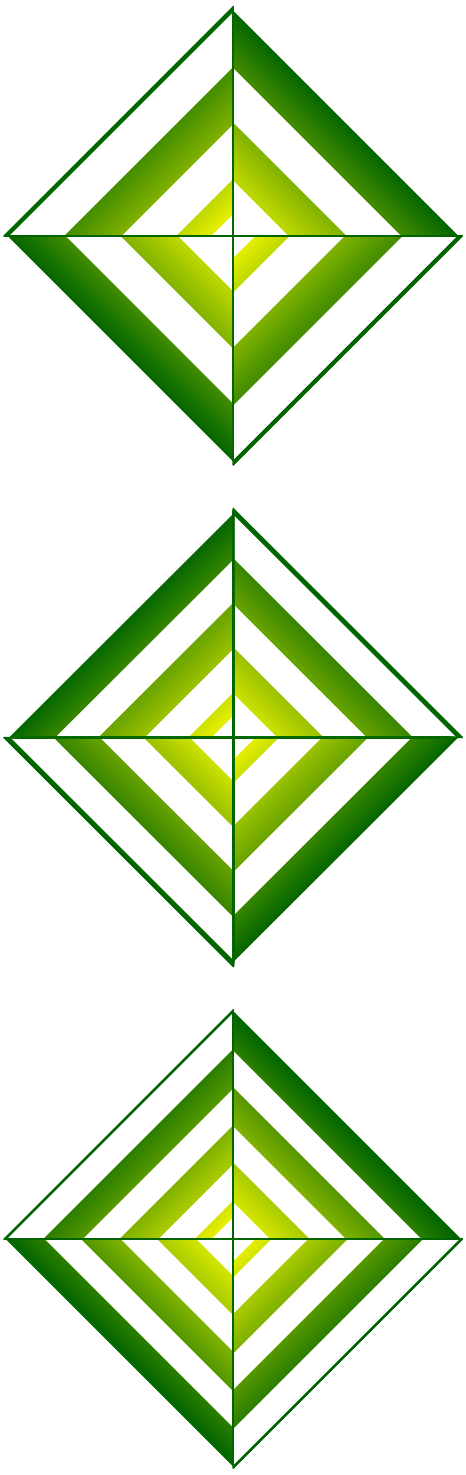
Merlin – three visions

Signa in silico 2001



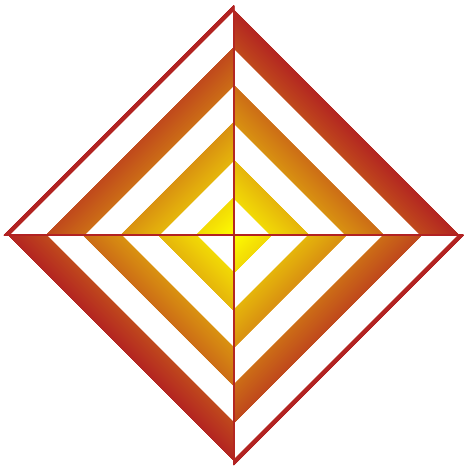
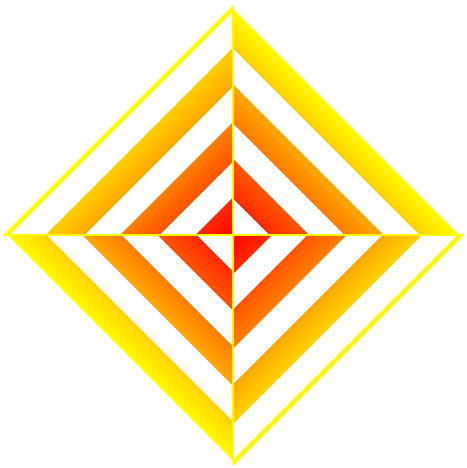
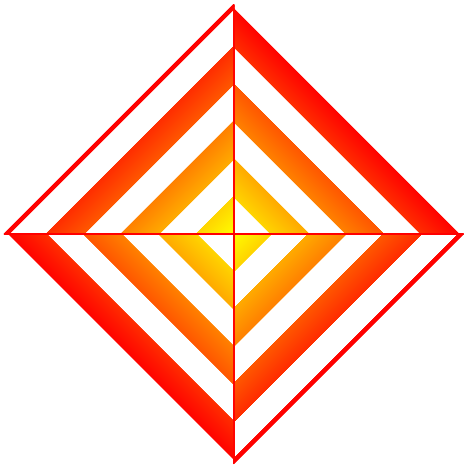
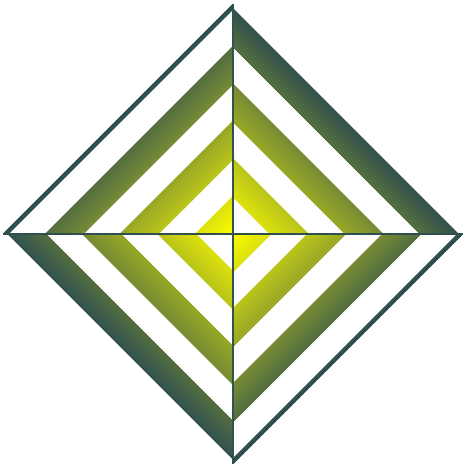
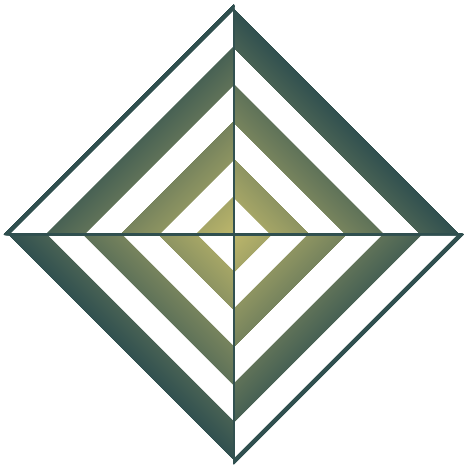
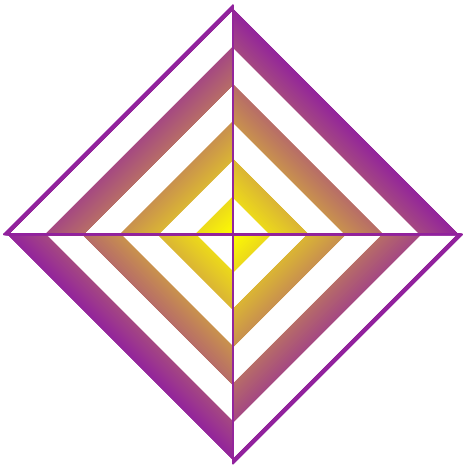
Gravioscillator

Signa in silico 2001



Tiles

Signa in silico 2001

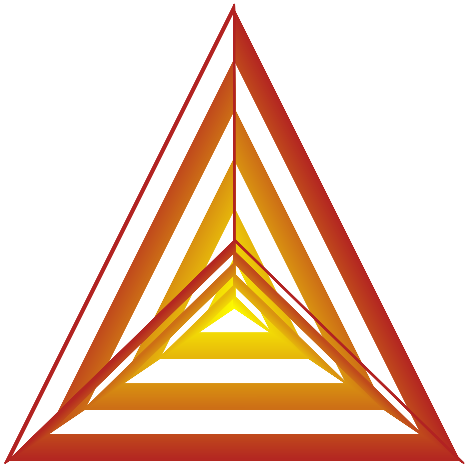







Tiles

Signa in silico 2001

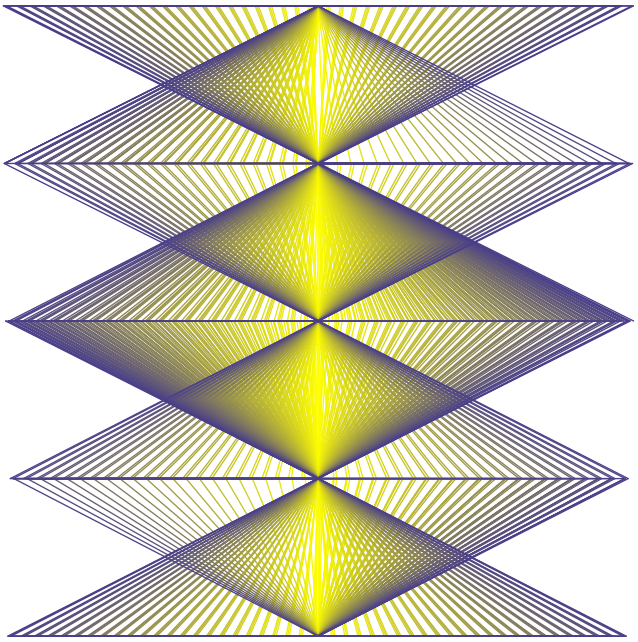






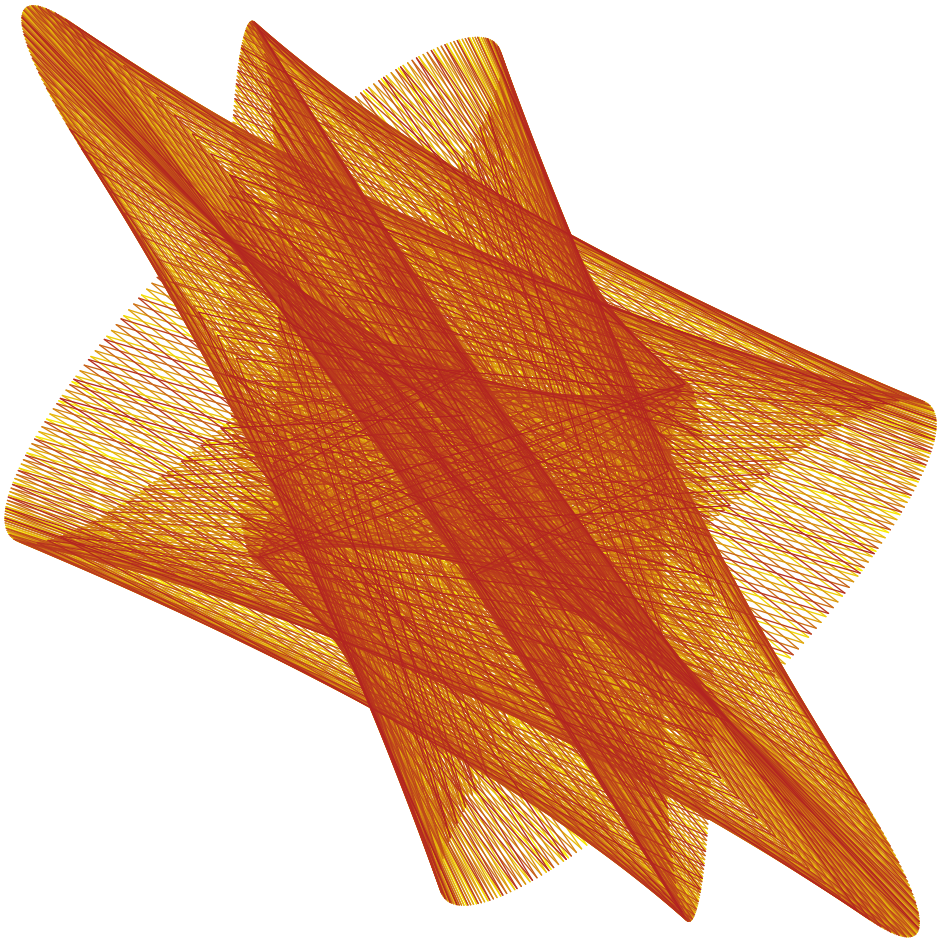
Tiles

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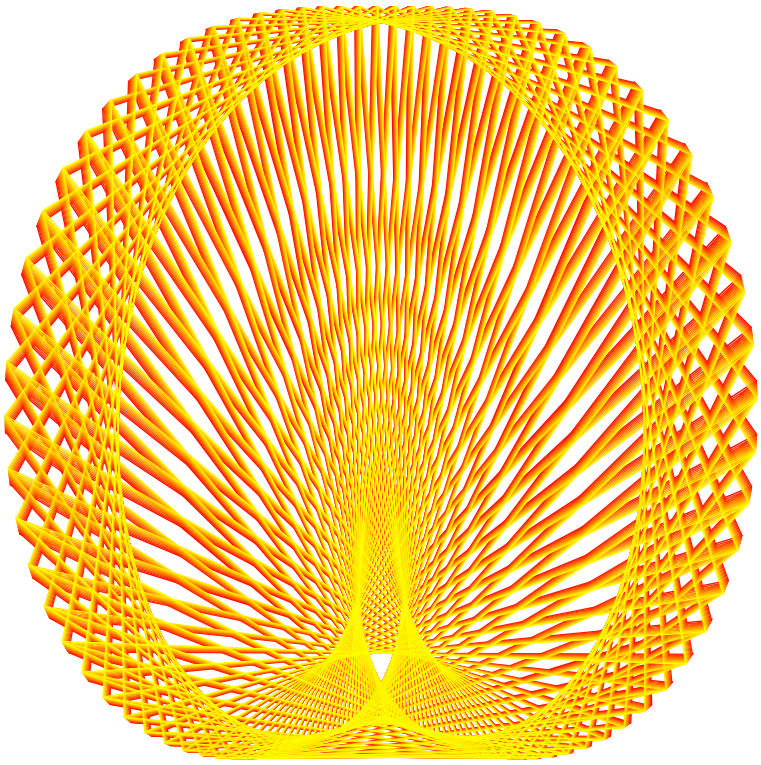
Capital

Signa in silico 2001



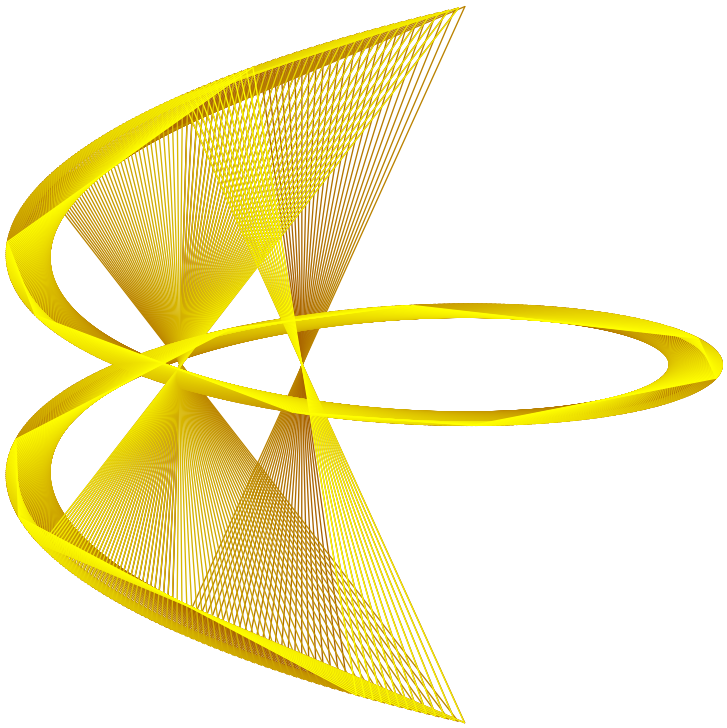
Time

Signa in silico 2001



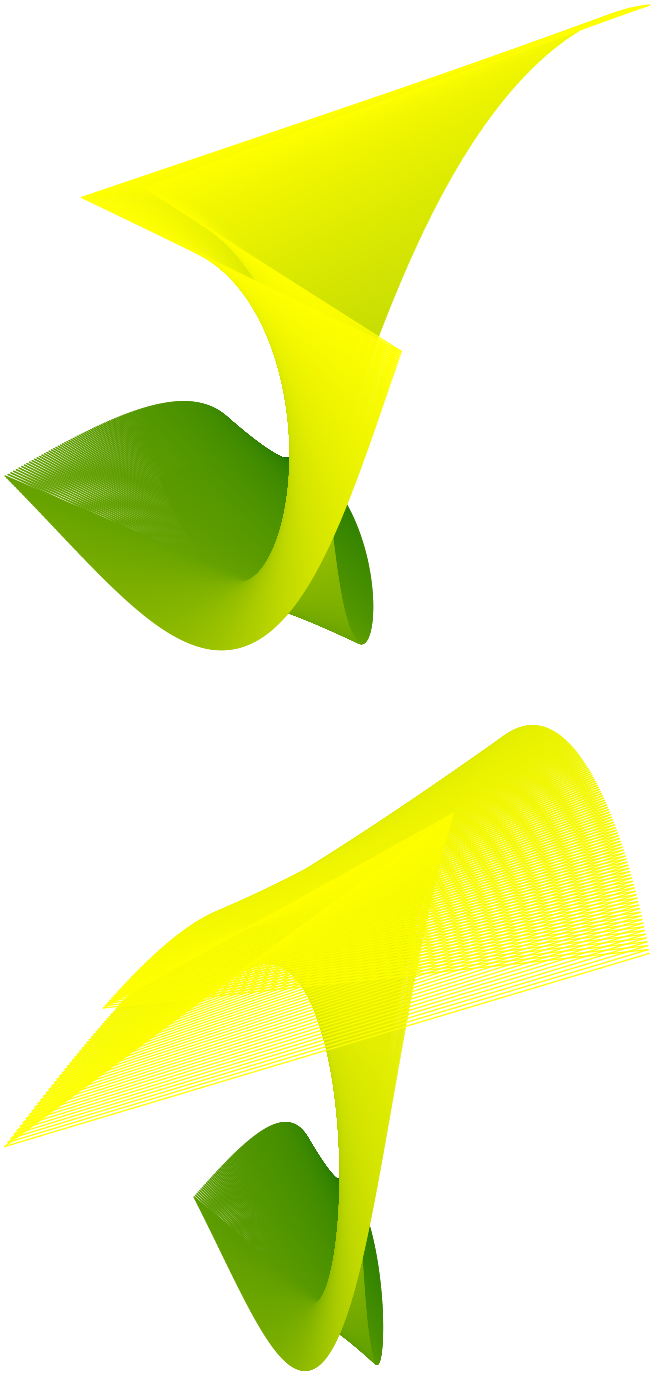
Growth

Signa in silico 2001



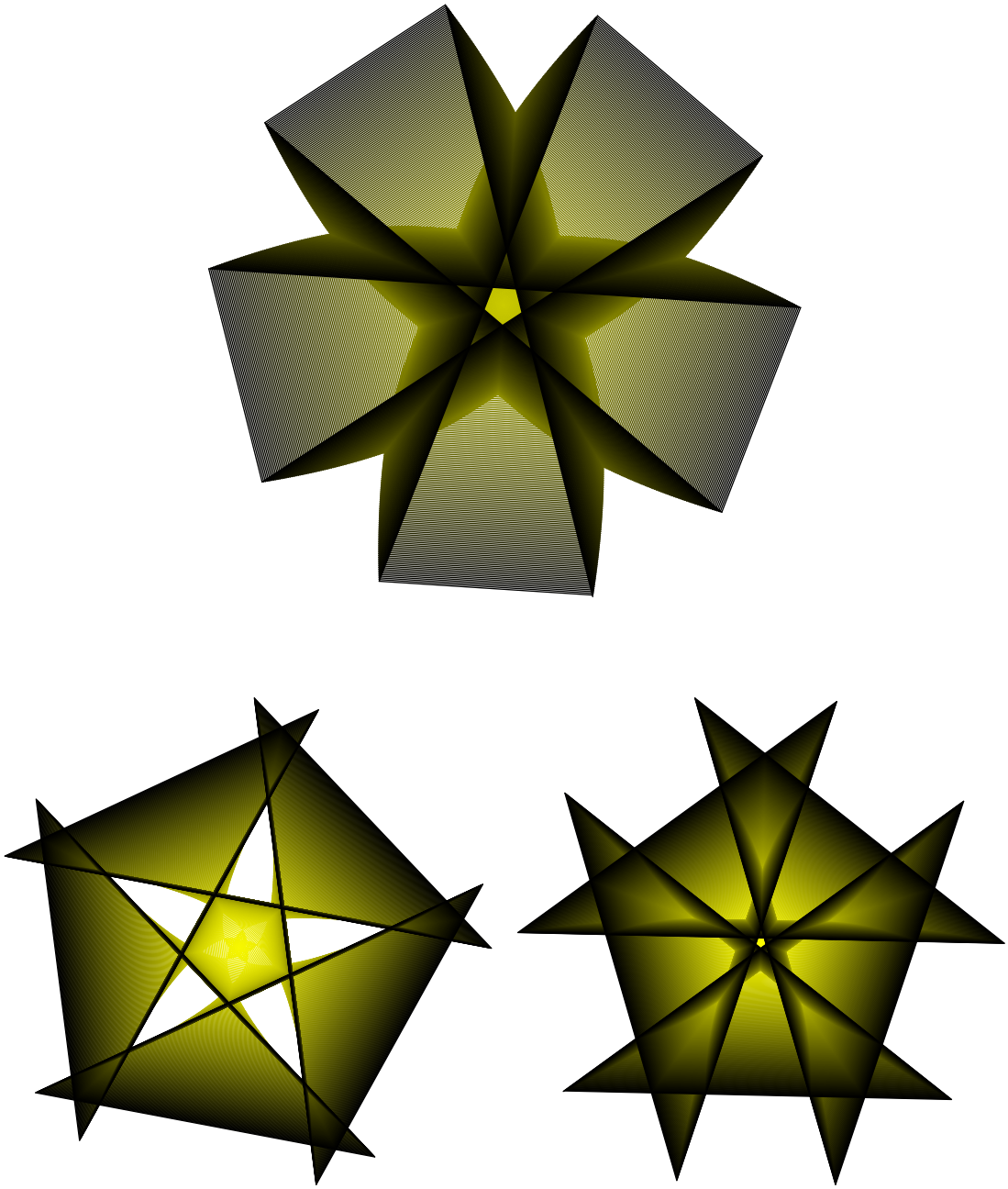
Sanctus

Signa in silico 2001



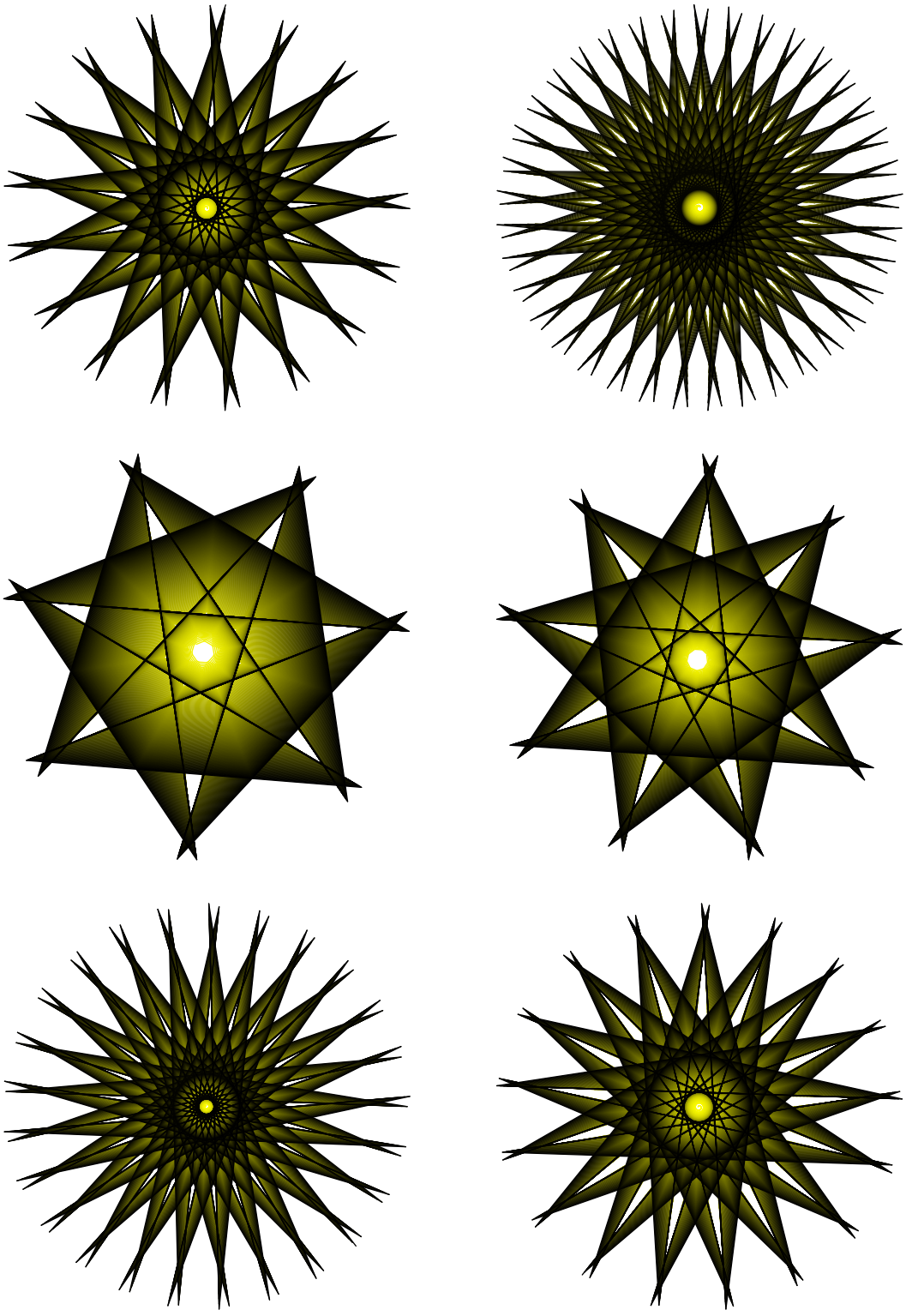
Algorithmic orchid flowers

Signa in silico 2001



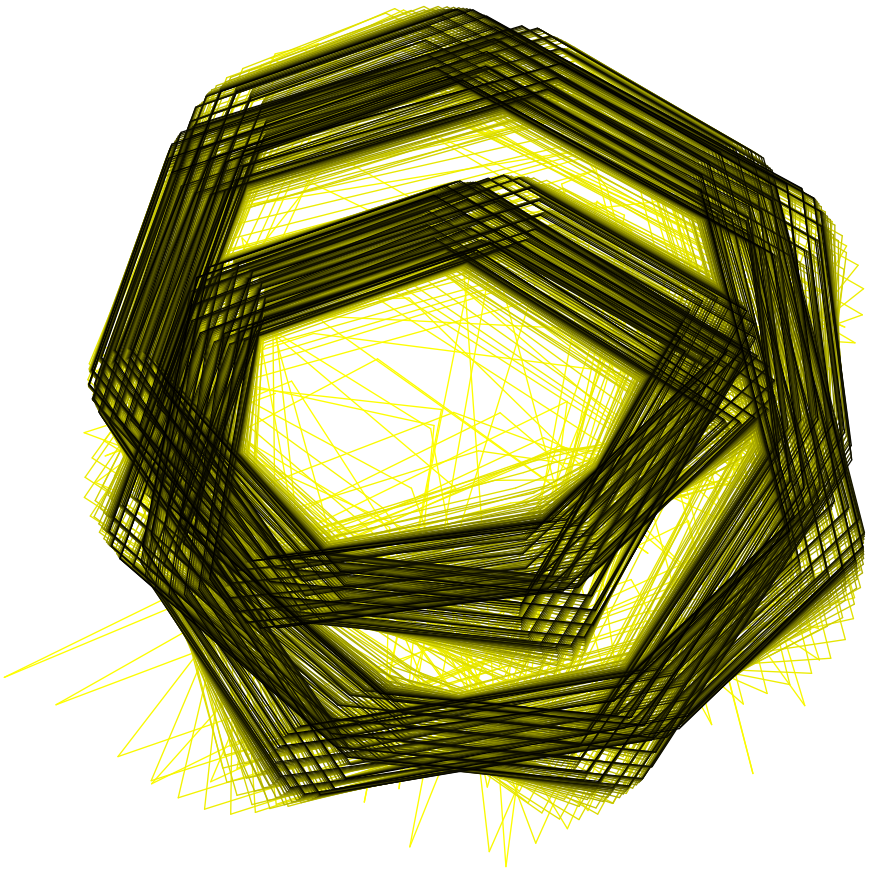
Pentagram variations

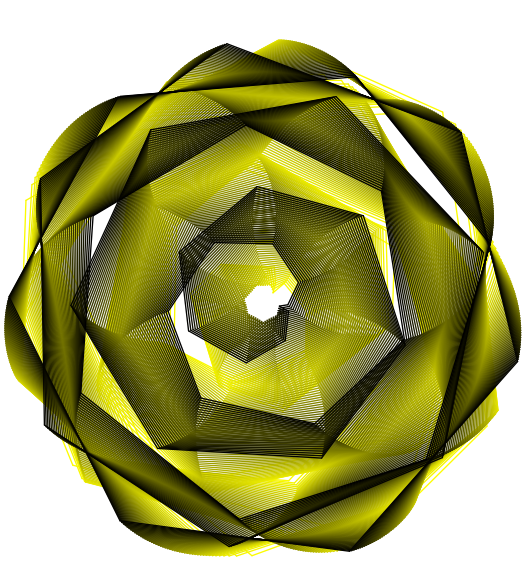
Signa in silico 2001

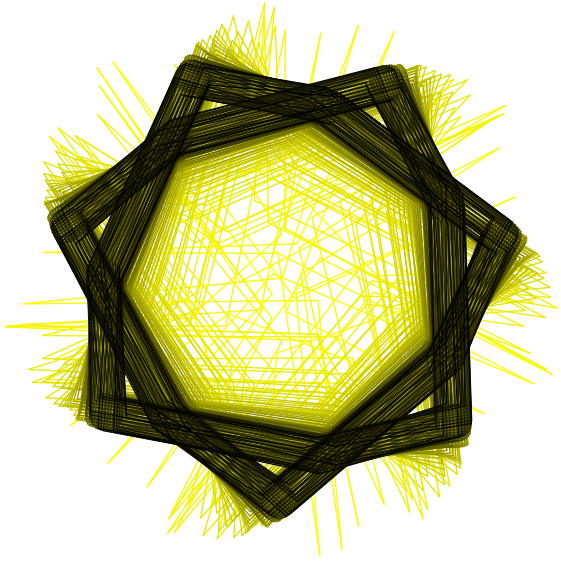


Algorithmo–african ornaments

Signa in silico 2001

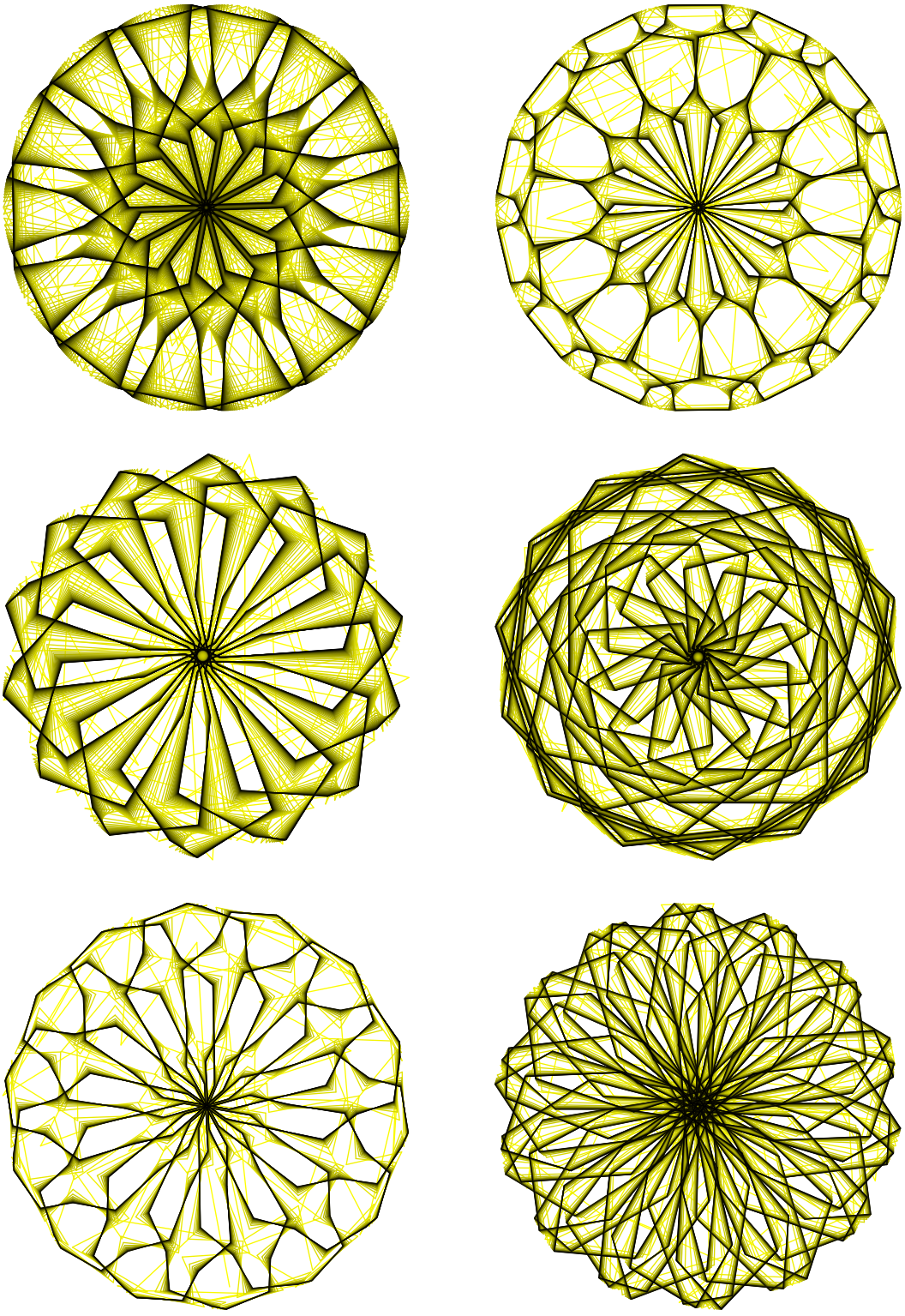






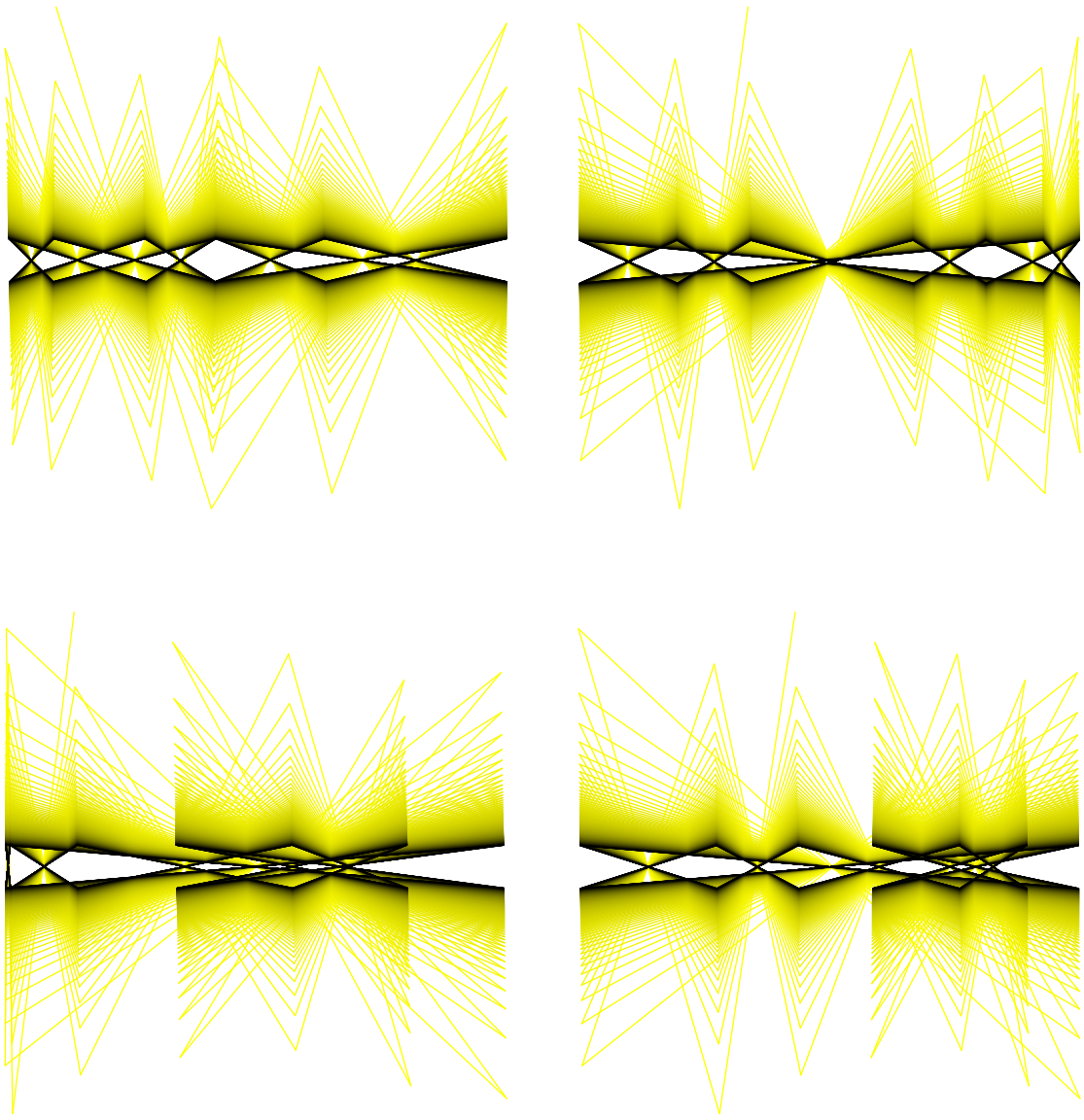
Frames

Signa in silico 2001



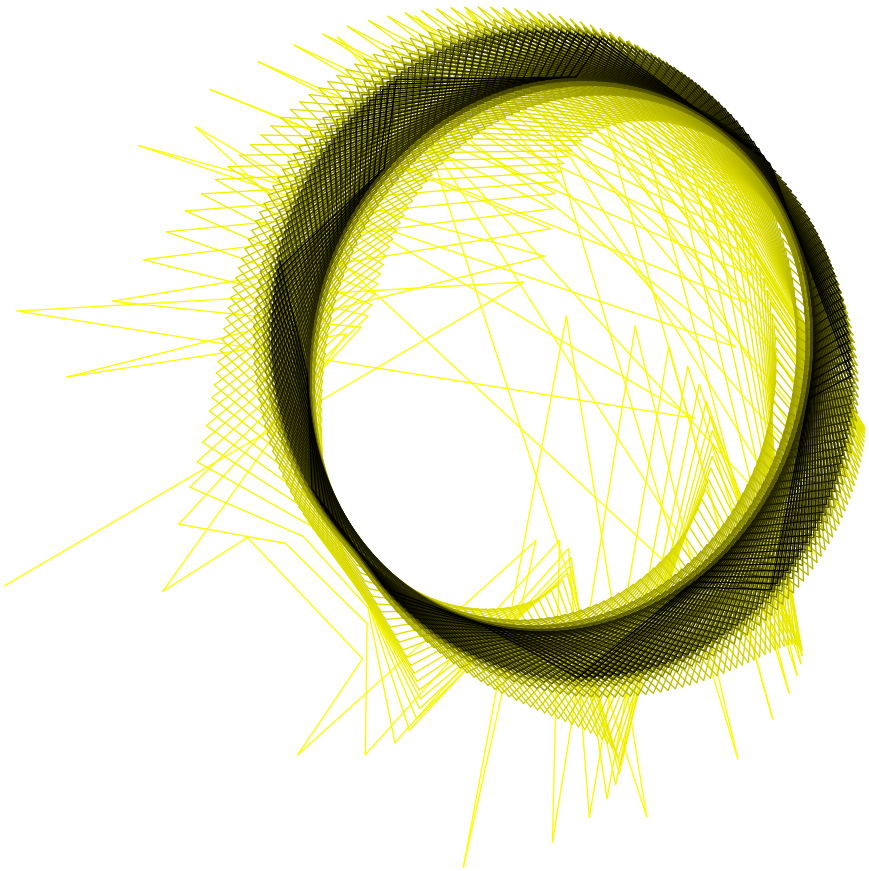
Rosa mystica variations

Signa in silico 2001



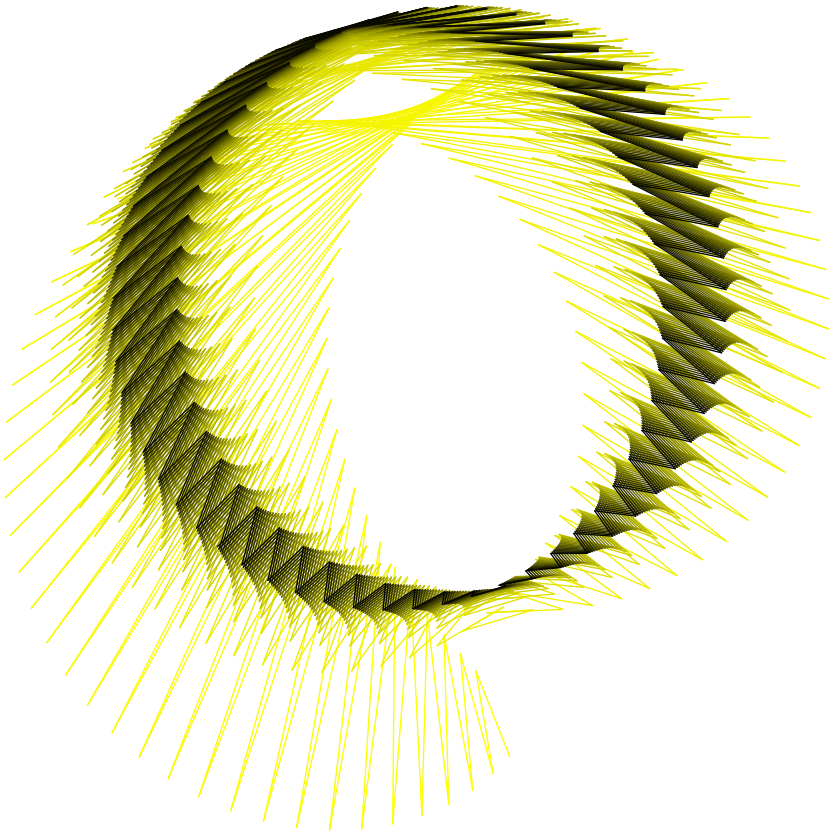
Gregorian Chant

Signa in silico 2001



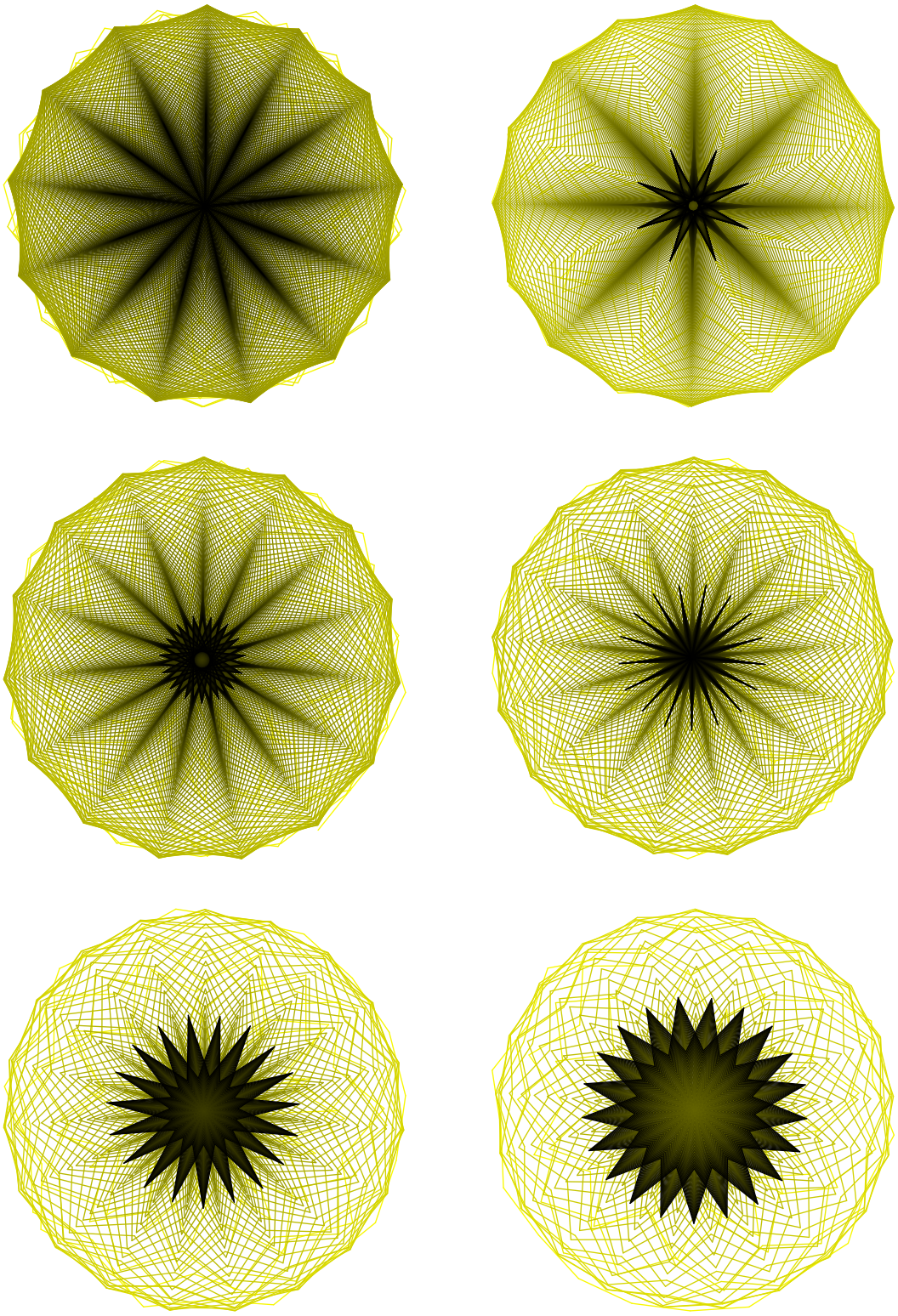
The Lord of the Rings

Signa in silico 2001



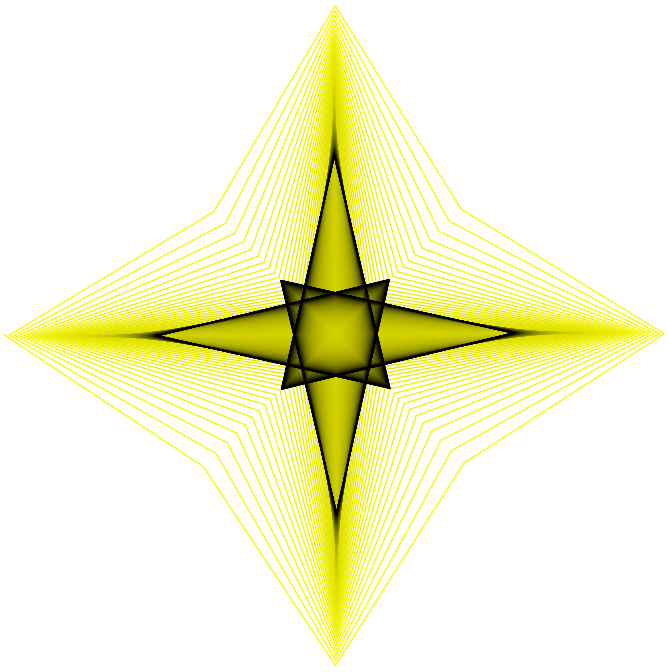
The Lord of the Rings

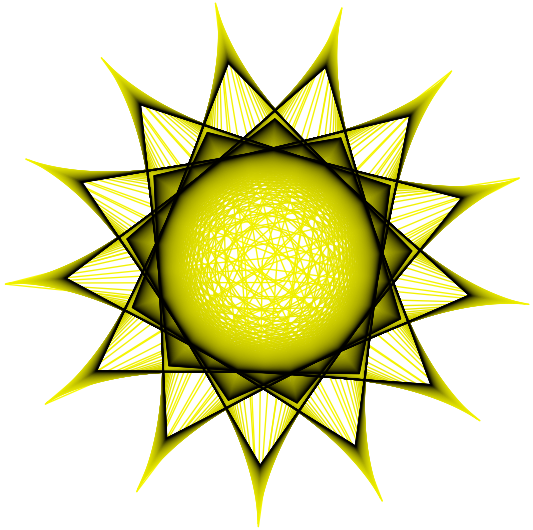
Signa in silico 2001

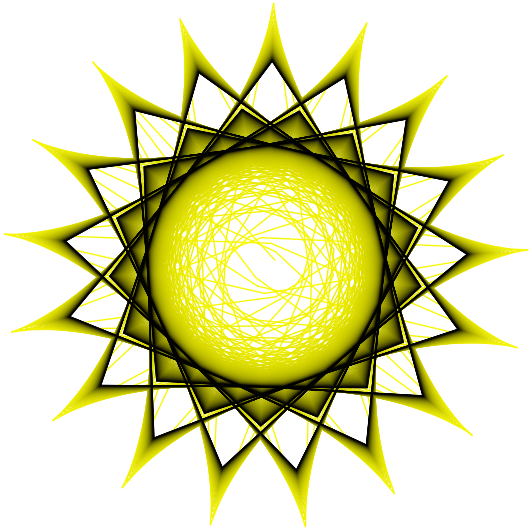


Crop circle designs by Signa in silico

Signa in silico 2001

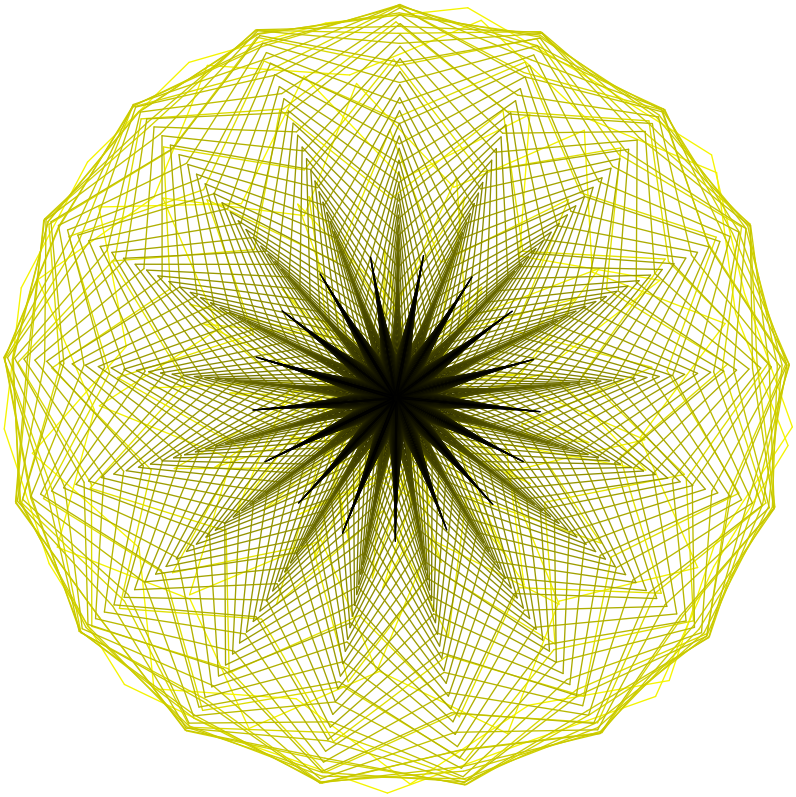


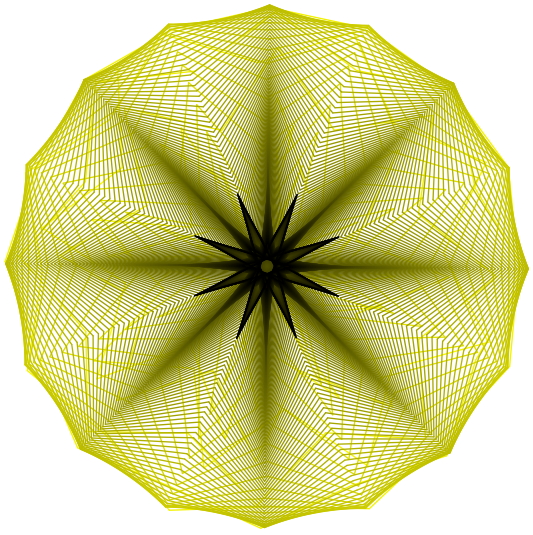


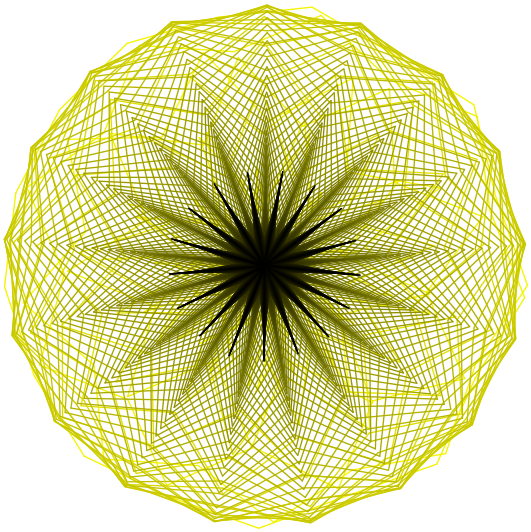


Emanatio exor creatio ex nihilo II

Signa in silico 2001

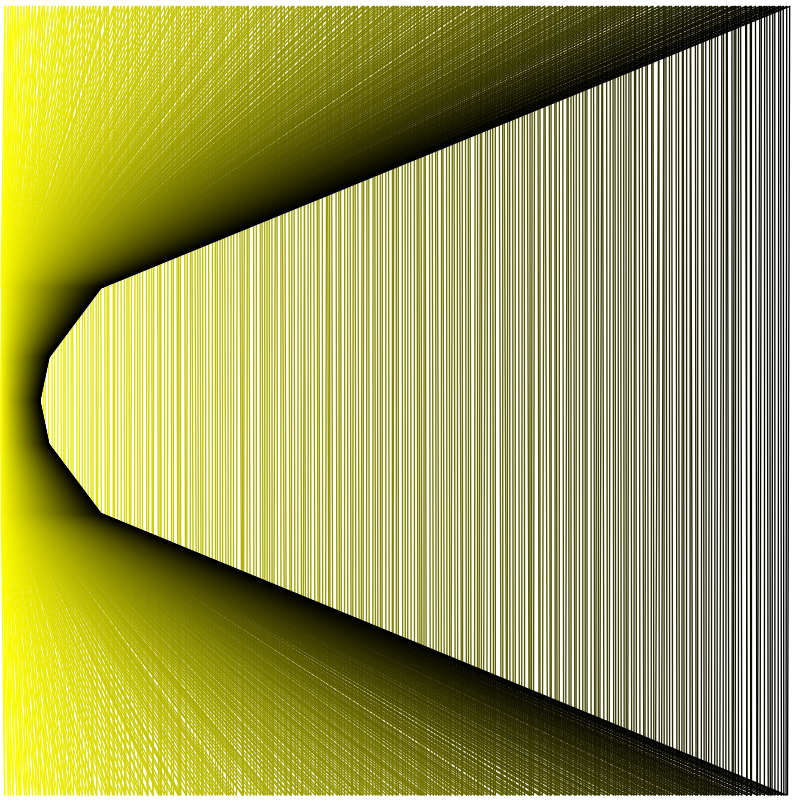






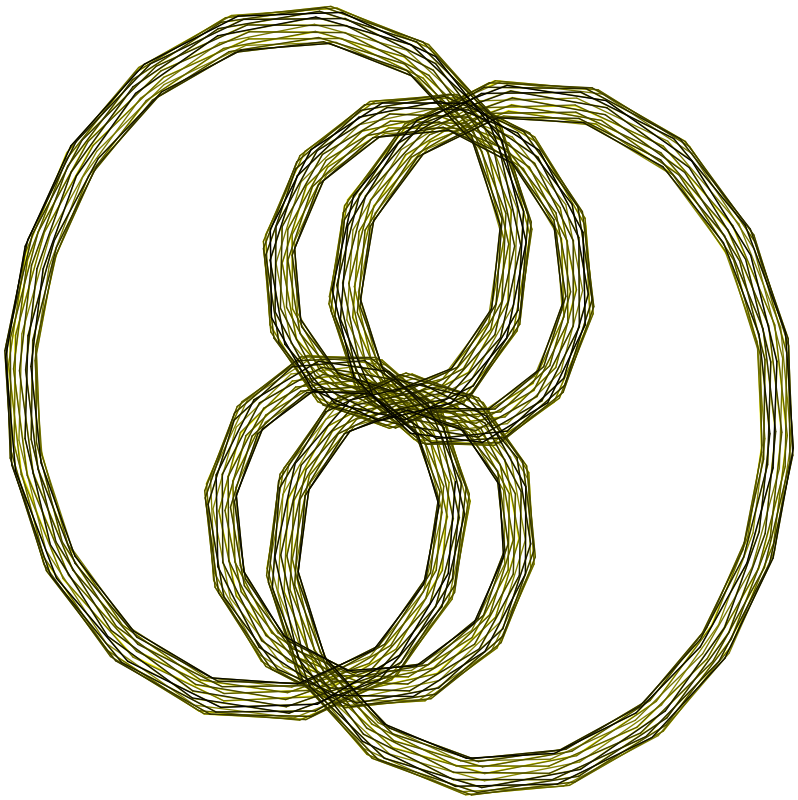
Emanatio exor creatio ex nihilo IV

Signa in silico 2001



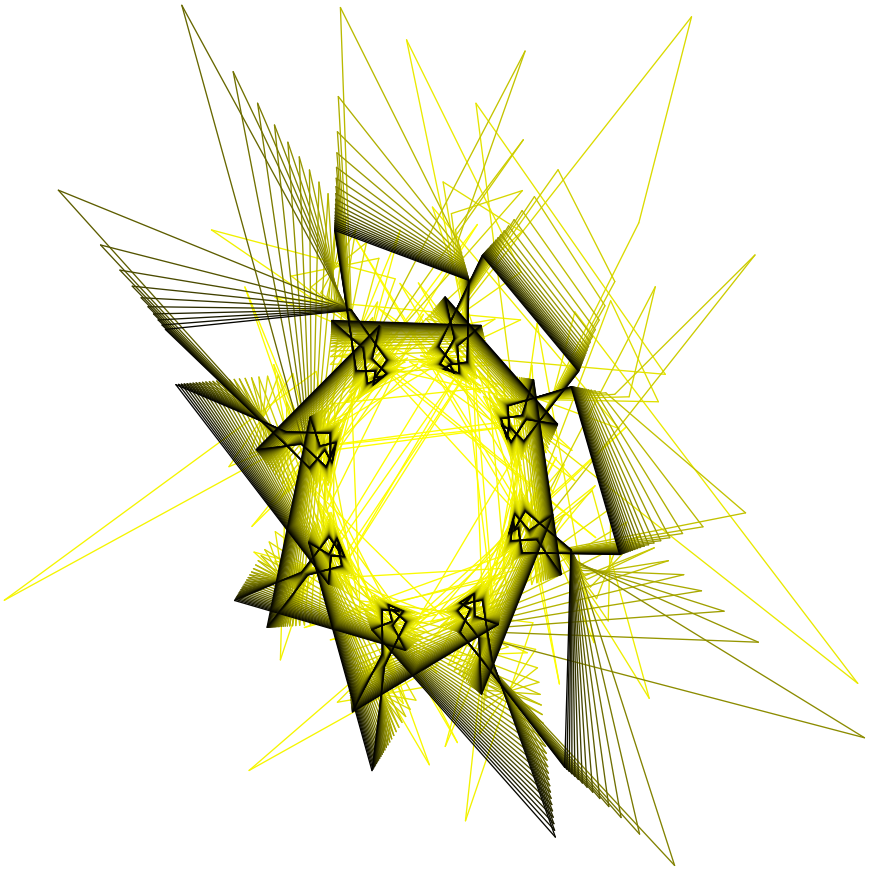
Quo vadis ?

Signa in silico 2001



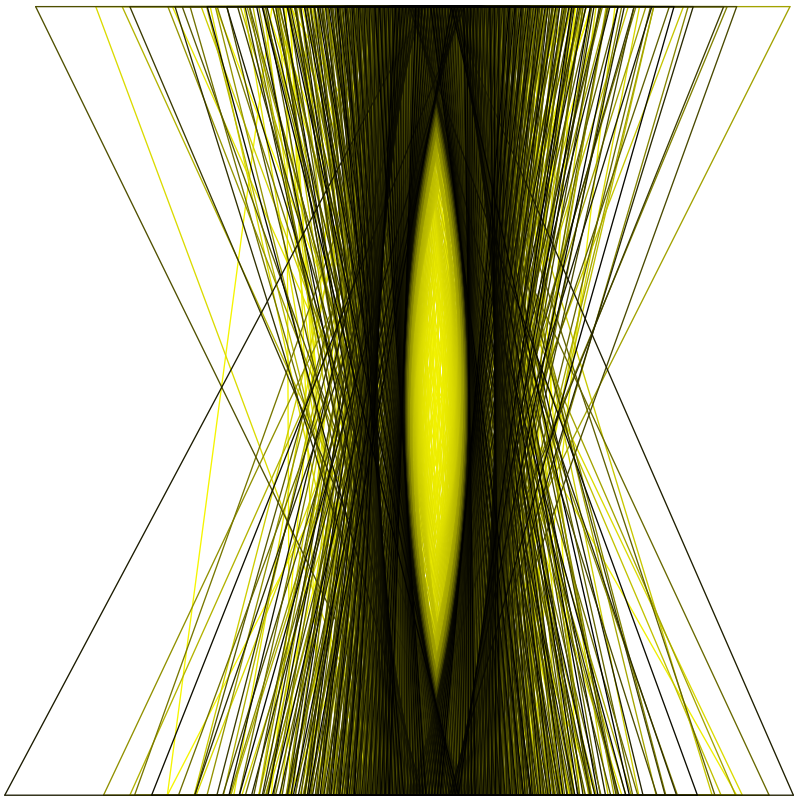
Arachne

Signa in silico 2002



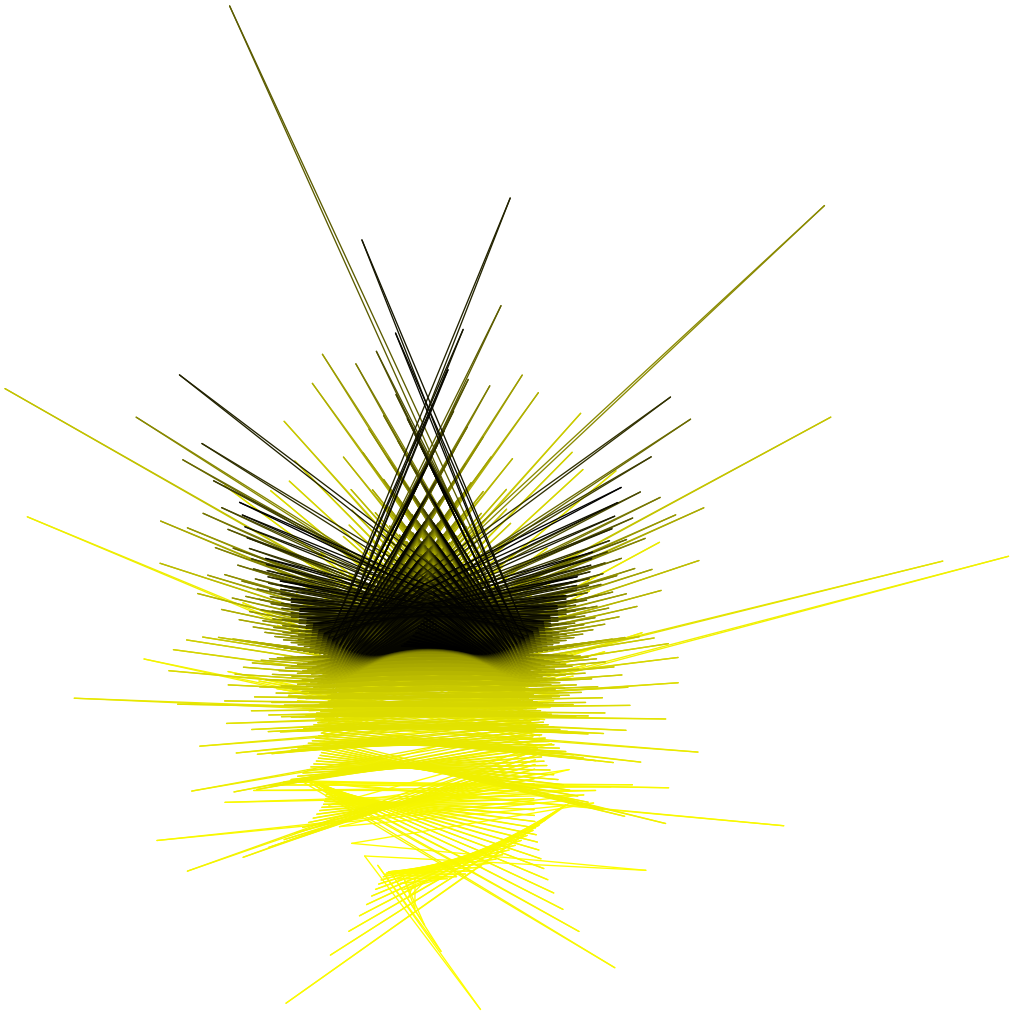
Octonodus

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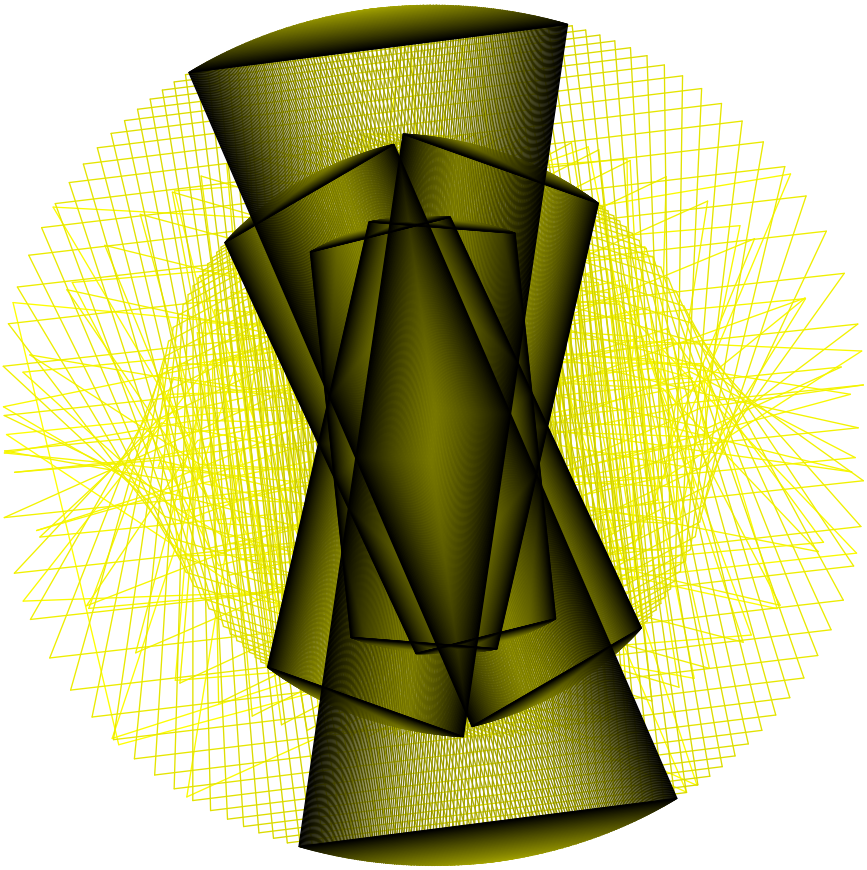
Time rupture

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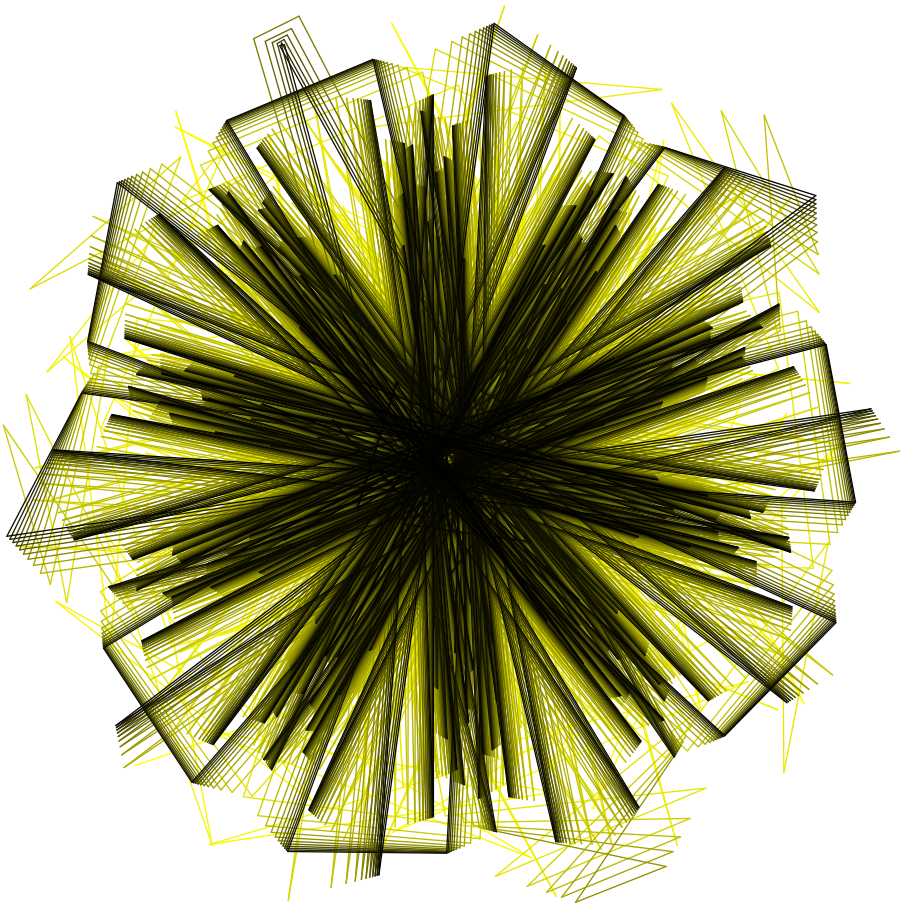
Santiago de Compostela

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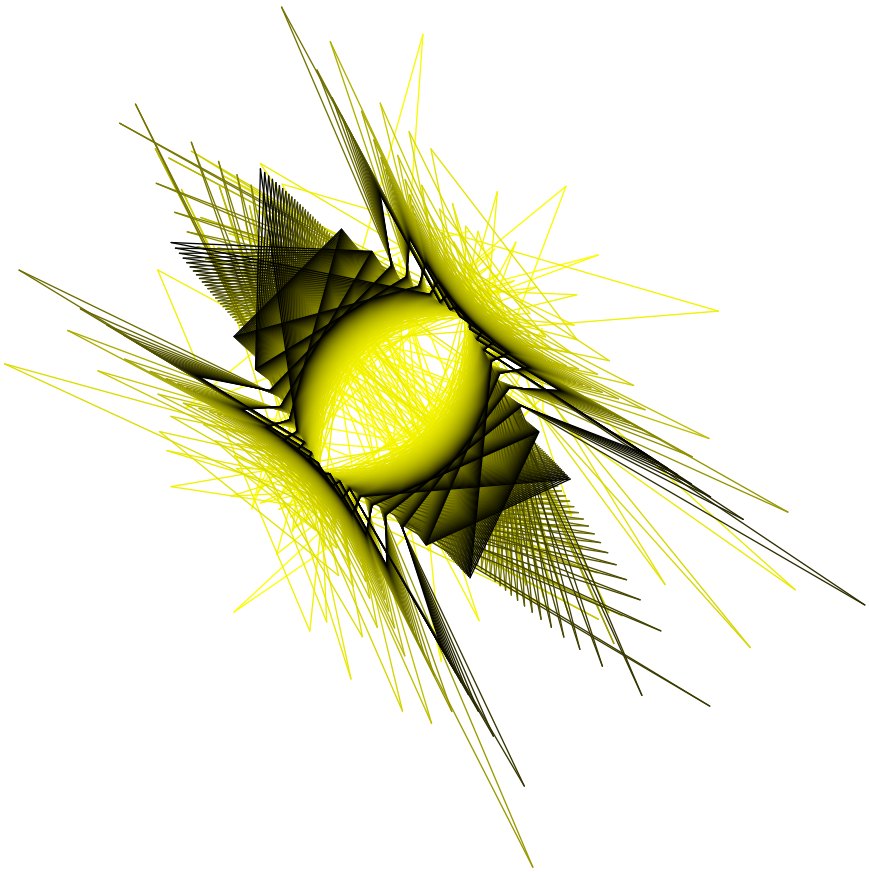
Cyborg egg

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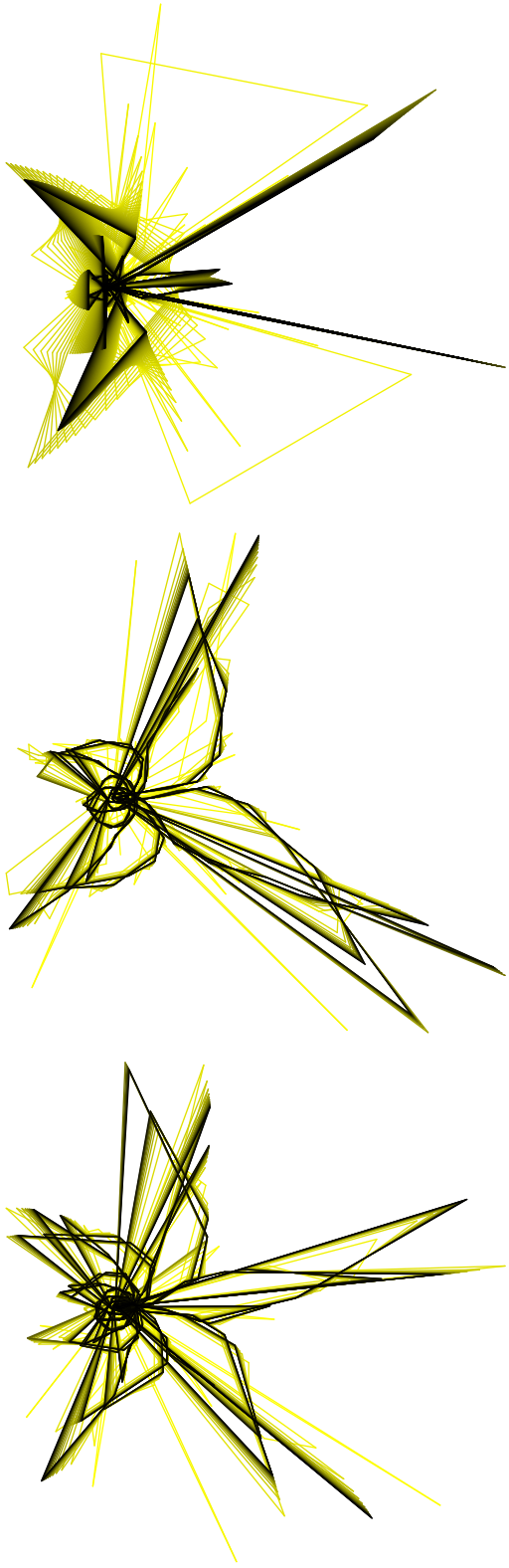
Loreto

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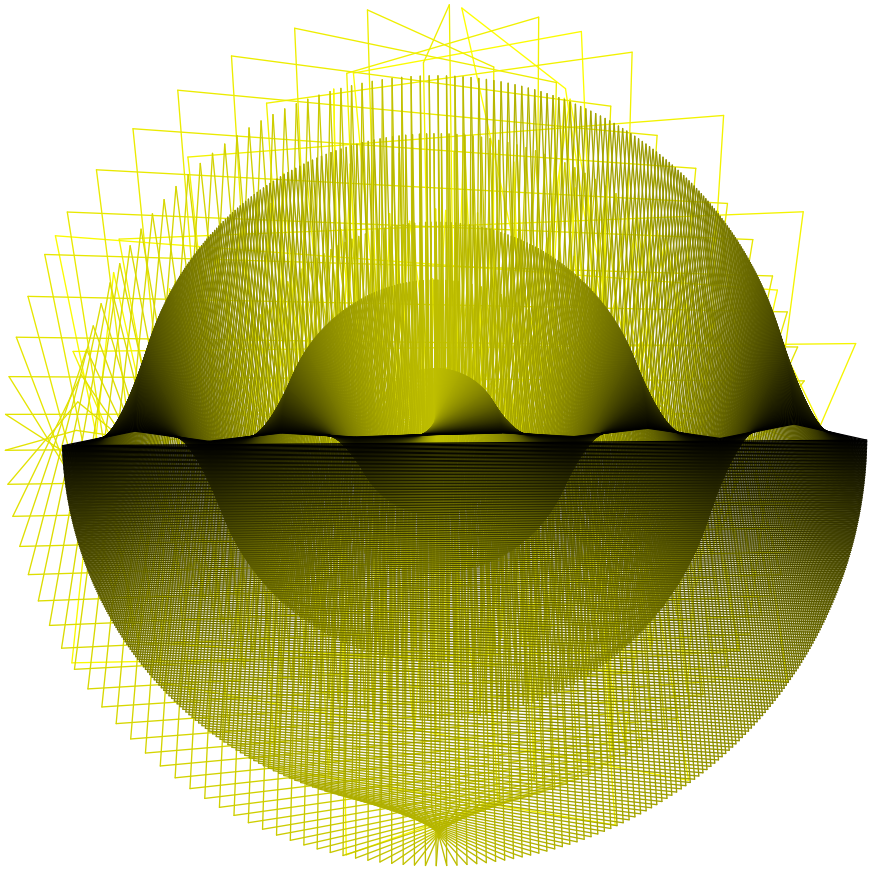
Captured in the hyperspace

Signa in silico 2002



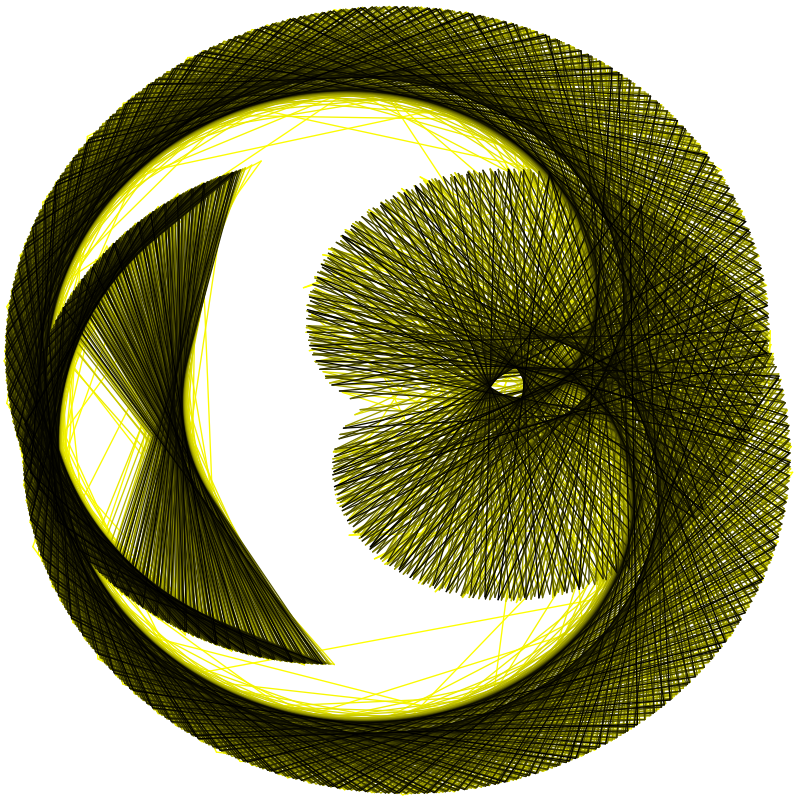
Insects enclosed in amber

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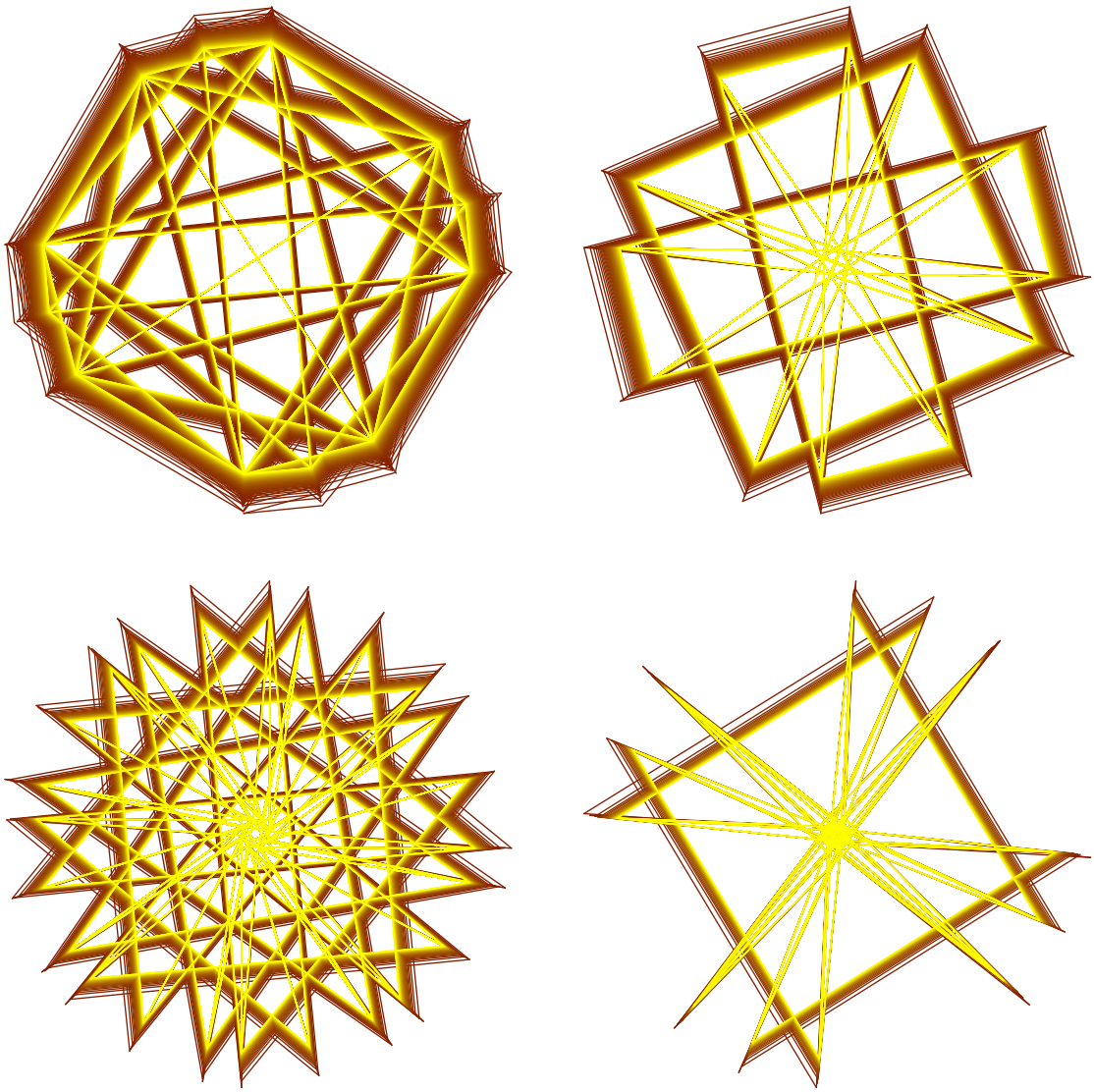
Fountain

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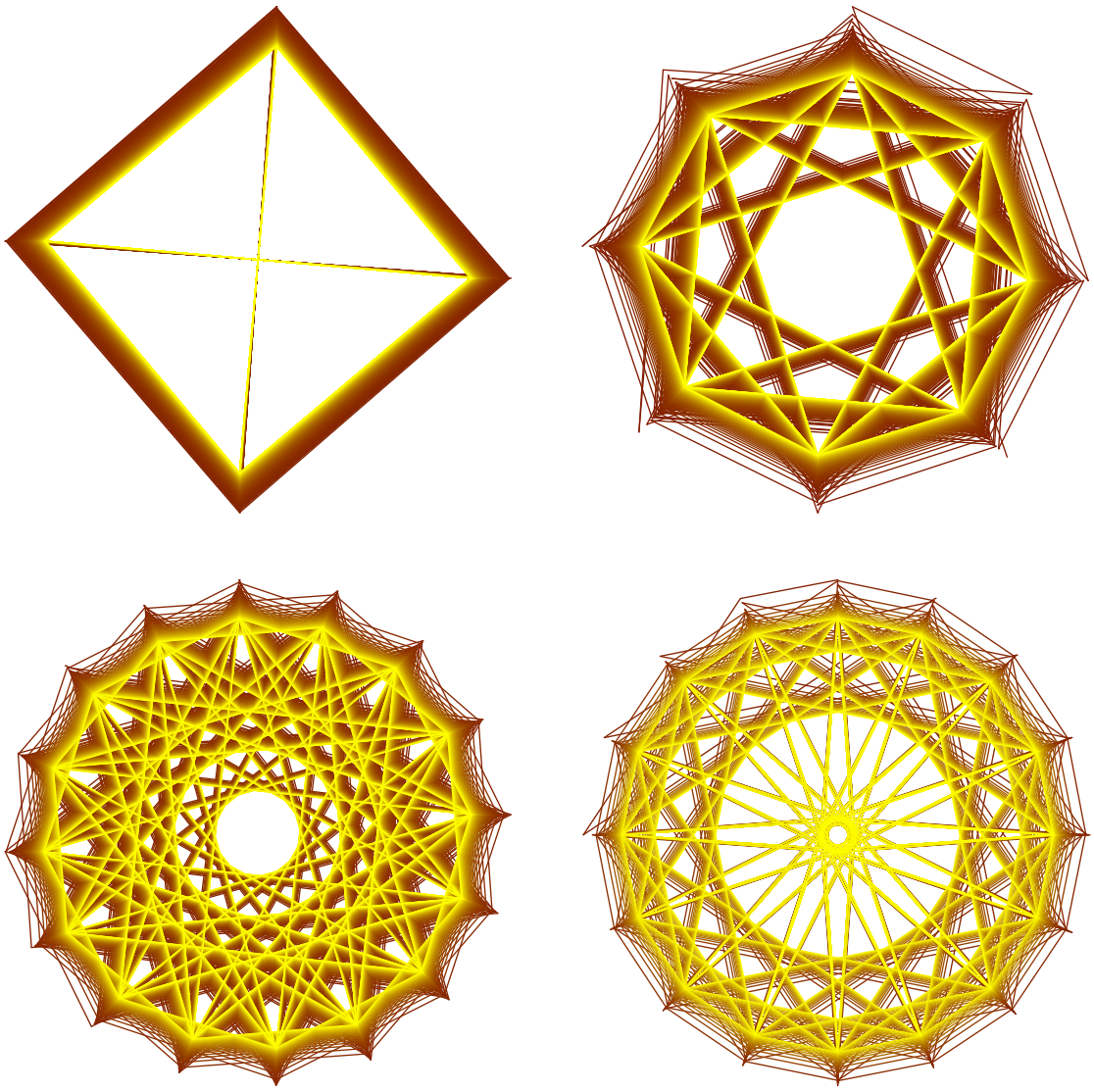
Encounter of third kind

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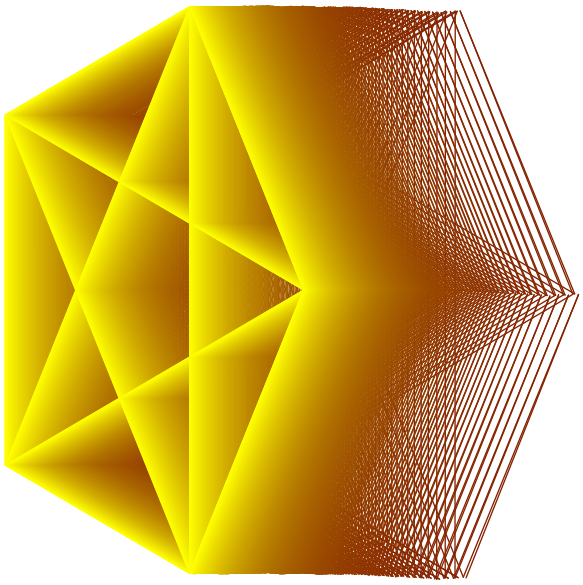
Quaternitas

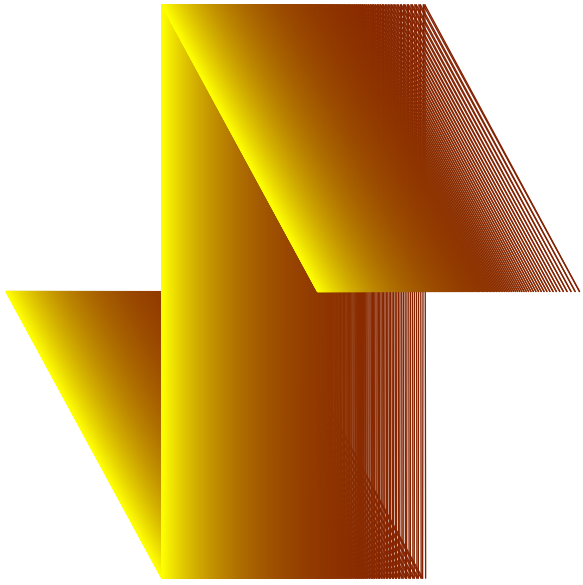
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2^n–rosettes

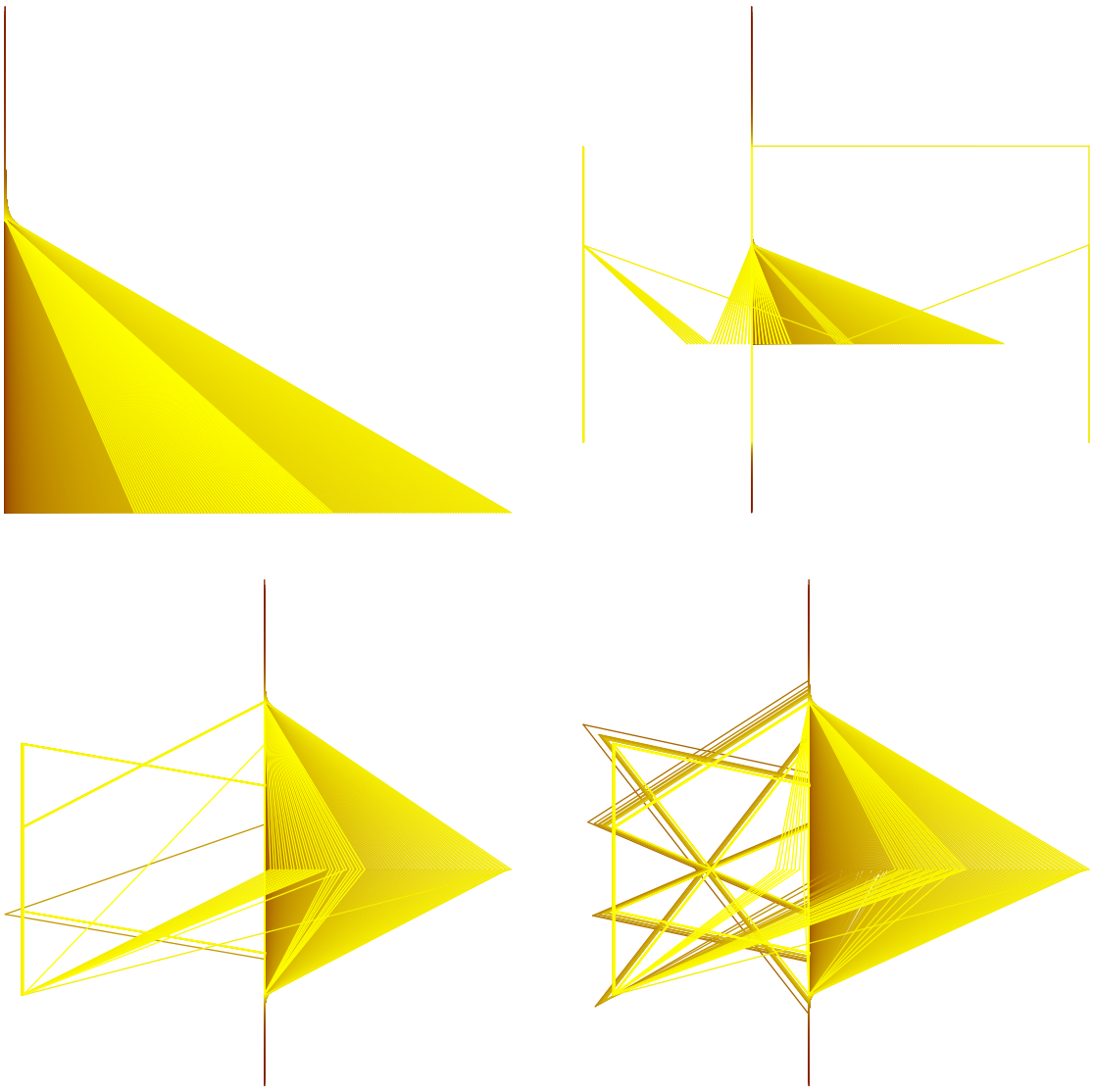
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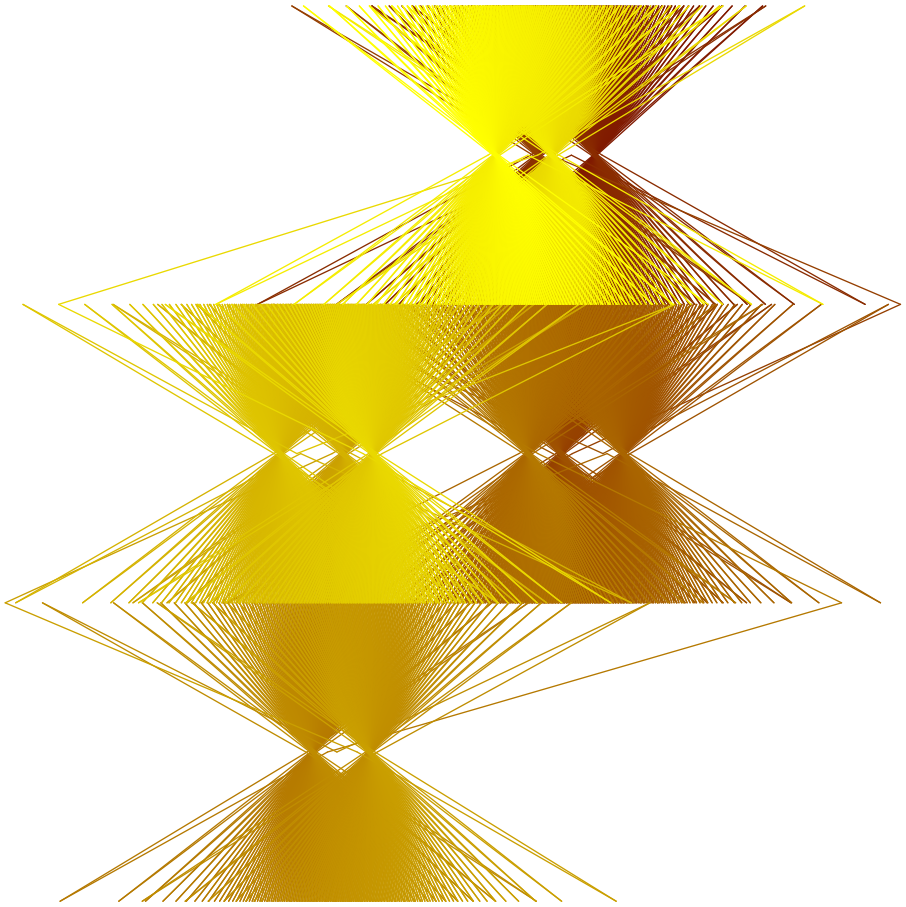
In statu nascendi

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Projections

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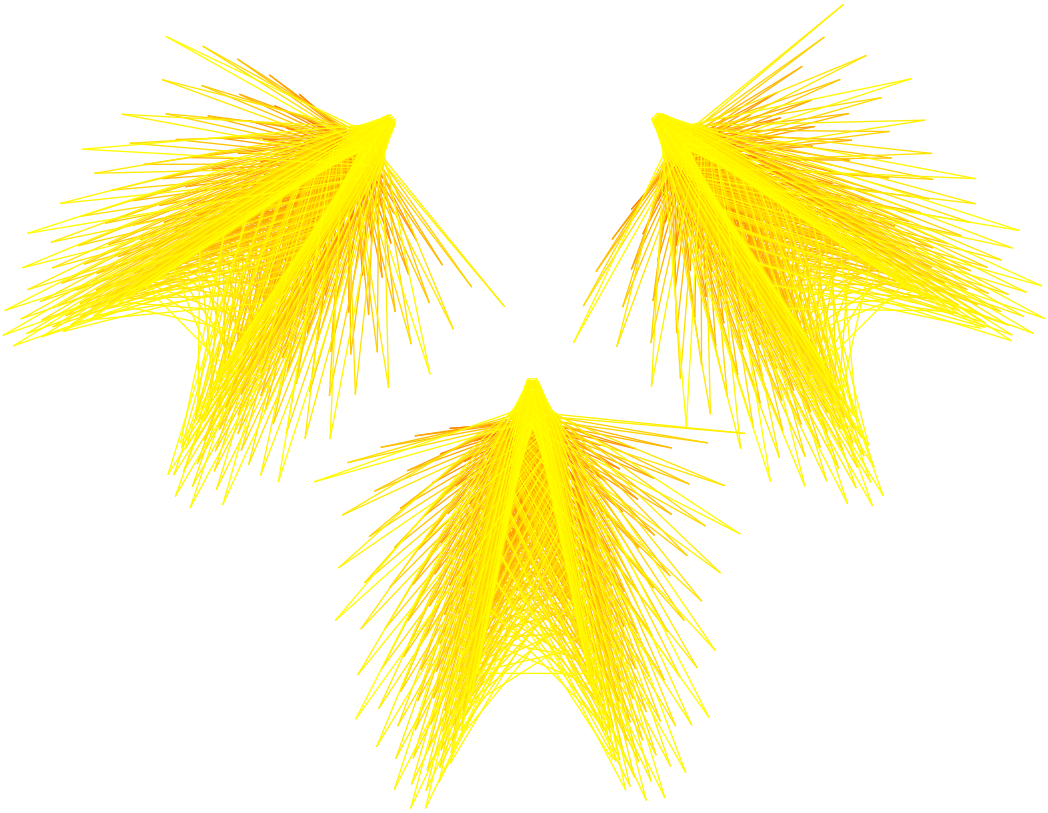
$$
\begin{aligned}
<\pi> &= 3\ \underset{\smile}{1}\ \underset{\smile}{4}\ \underset{\smile}{1}\ \underset{\smile}{5}\ \underset{\smile}{9}\ \underset{\smile}{2}\ \underset{\smile}{6}\ \underset{\smile}{5}\ \underset{\smile}{3}\ \underset{\smile}{5}\ \underset{\smile}{8}\ \underset{\smile}{9}\ \underset{\smile}{7}\ \ldots \\
<D1\pi> &= \underset{\smile}{2}\ \underset{\smile}{3}\ \underset{\smile}{3}\ \underset{\smile}{4}\ \underset{\smile}{4}\ \underset{\smile}{7}\ \underset{\smile}{4}\ \underset{\smile}{1}\ \underset{\smile}{2}\ \underset{\smile}{2}\ \underset{\smile}{3}\ \underset{\smile}{1}\ \underset{\smile}{2}\ \ldots \\
<D2\pi> &= \underset{\smile}{1}\ \underset{\smile}{0}\ \underset{\smile}{1}\ \underset{\smile}{0}\ \underset{\smile}{3}\ \underset{\smile}{3}\ \underset{\smile}{3}\ \underset{\smile}{1}\ \underset{\smile}{0}\ \underset{\smile}{1}\ \underset{\smile}{2}\ \underset{\smile}{1}\ \ldots
\end{aligned}
$$

Frequency p_k of digits k in $<\pi>, <D1\pi>, <D2\pi>$:

k	0	1	2	3	4	5	6	7	8	9
$p_k(\pi) \to$	$0,1$									
$p_k(D1\pi) \approx$	$0,10$	$0,18$	$0,16$	$0,14$	$0,12$	$0,10$	$0,08$	$0,06$	$0,04$	$0,02$
$p_k(D2\pi) \approx$	$0,14$	$0,246$	$0,191$	$0,147$	$0,109$	$0,076$	$0,048$	$0,028$	$0,011$	$0,004$

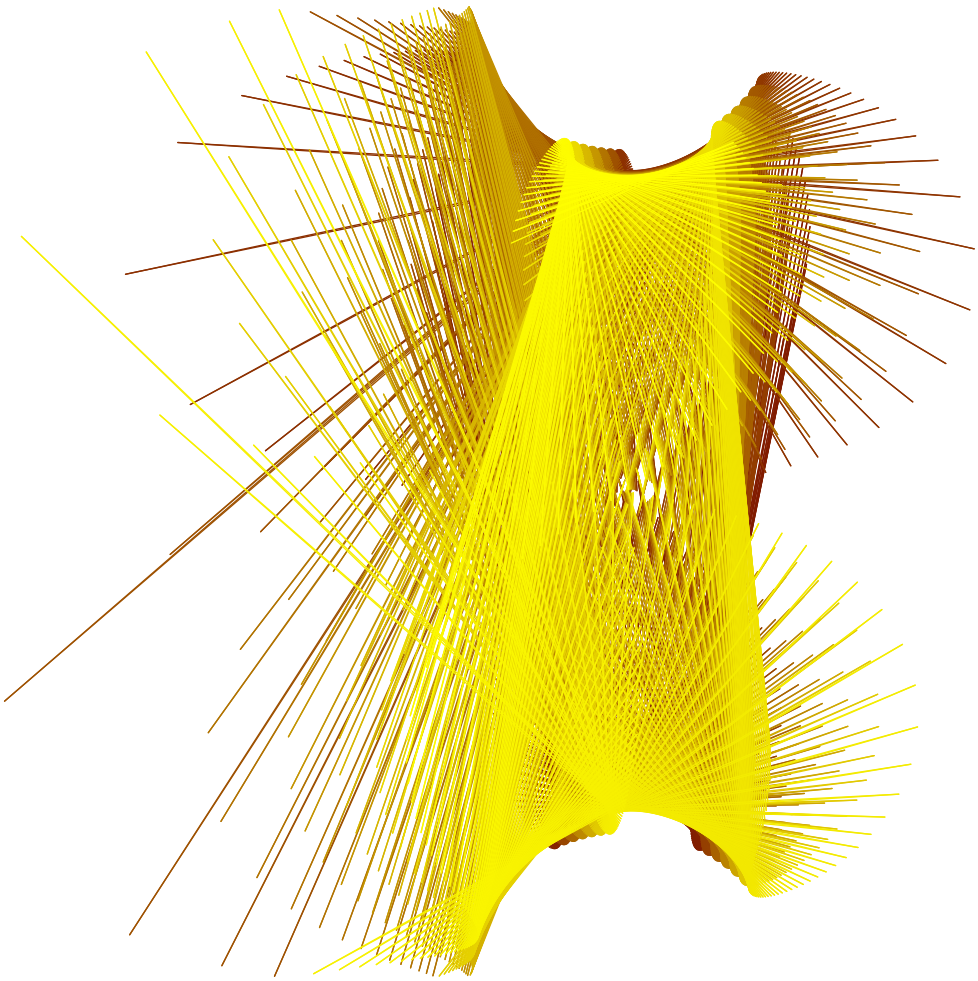
Places of interest near Benford's Law

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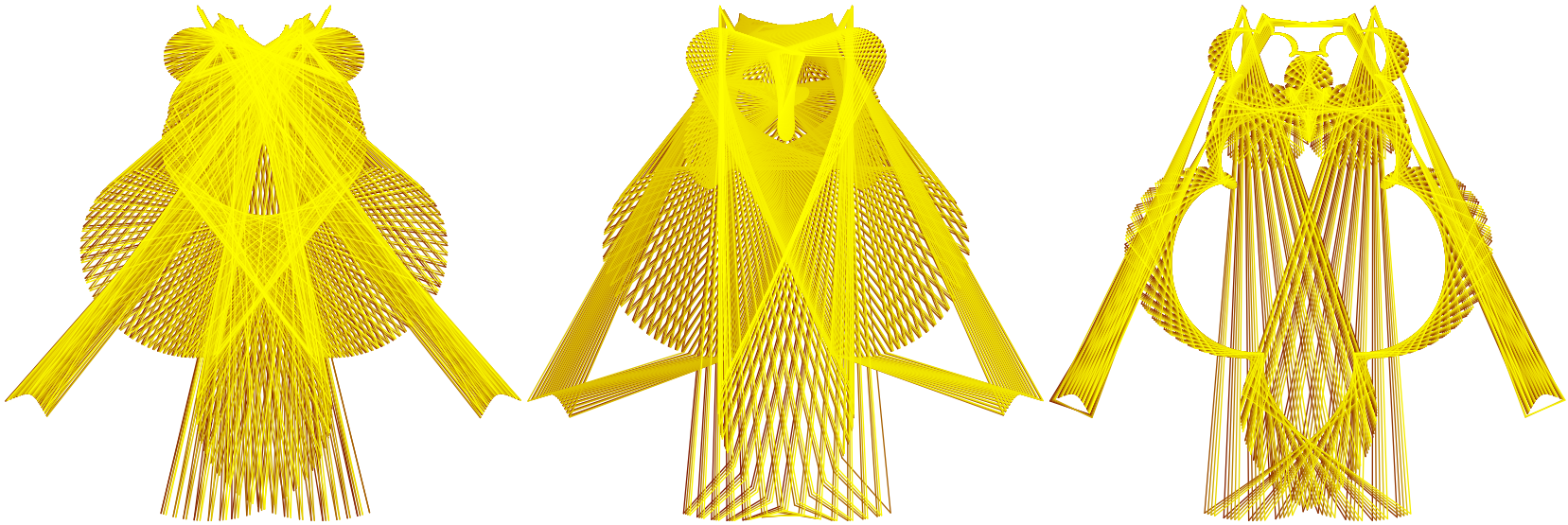
Egyptian decoration for bravery

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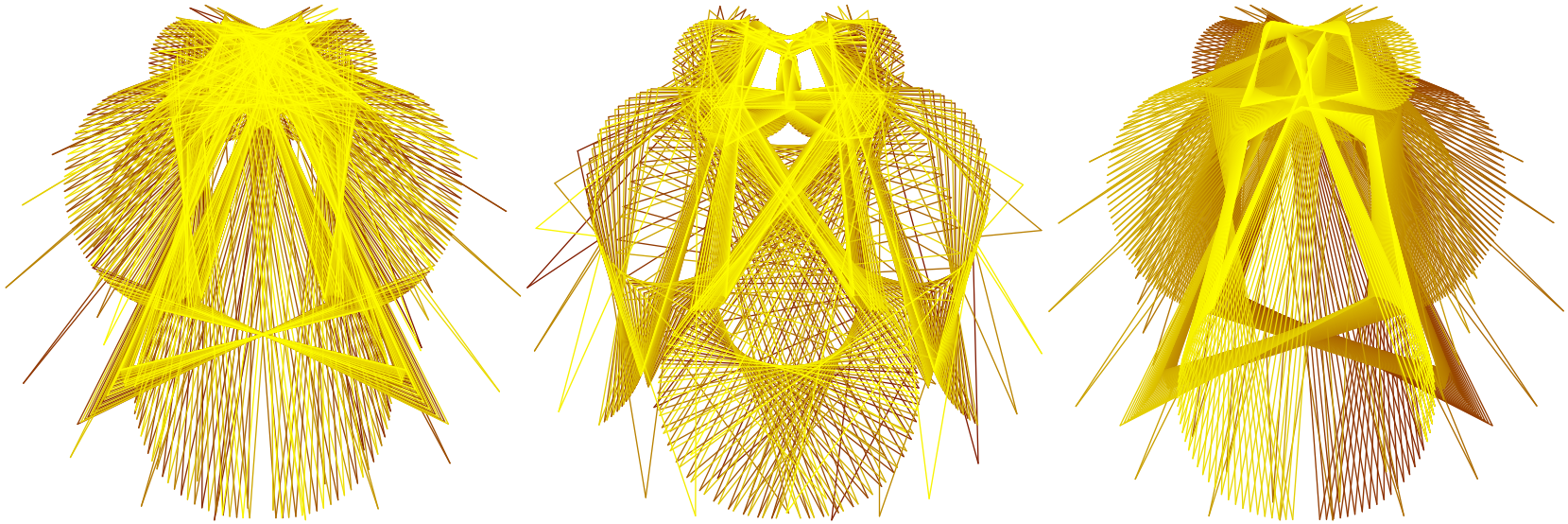
Ikarus

Signa in silico 2002



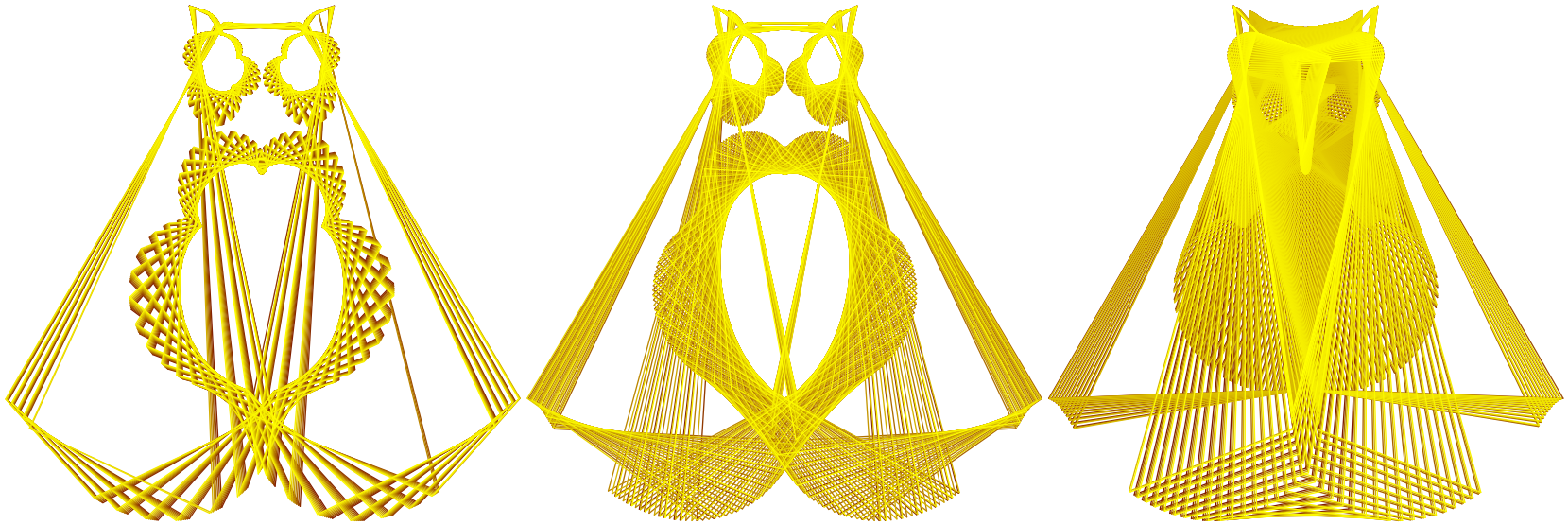
Insectobots – surveyor microprobes I

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Insectobots – surveyor microprobes II

Signa in silico 2002



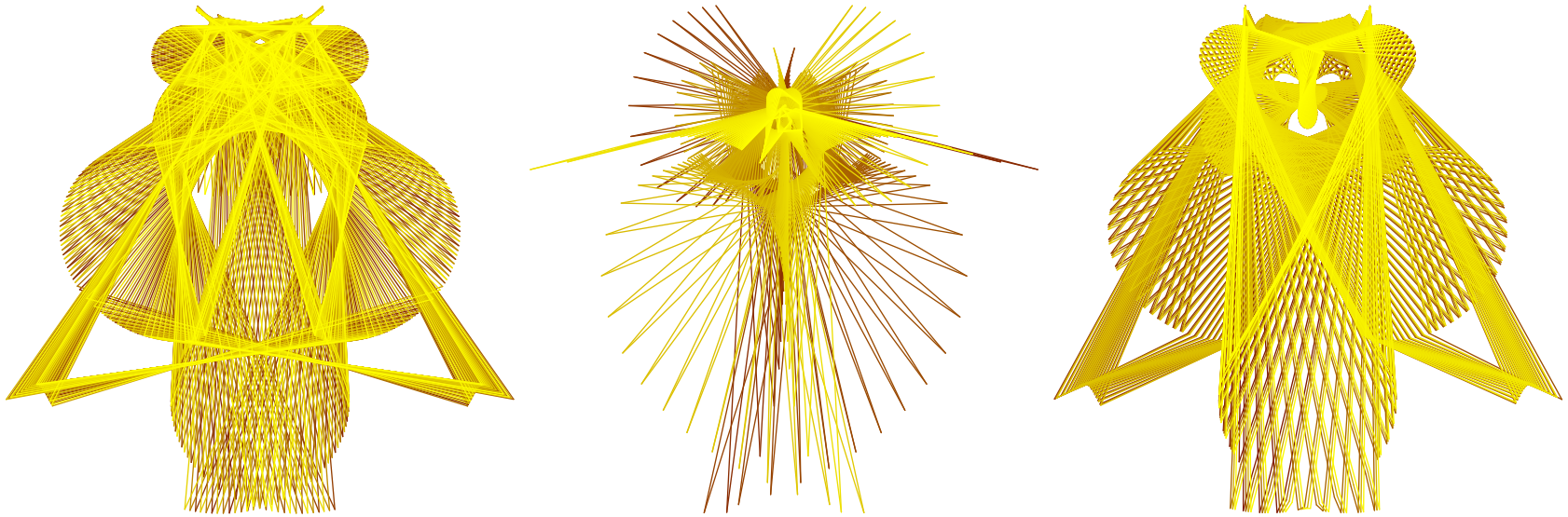
Insectobots – surveyor microprobes III

Signa in silico 2002



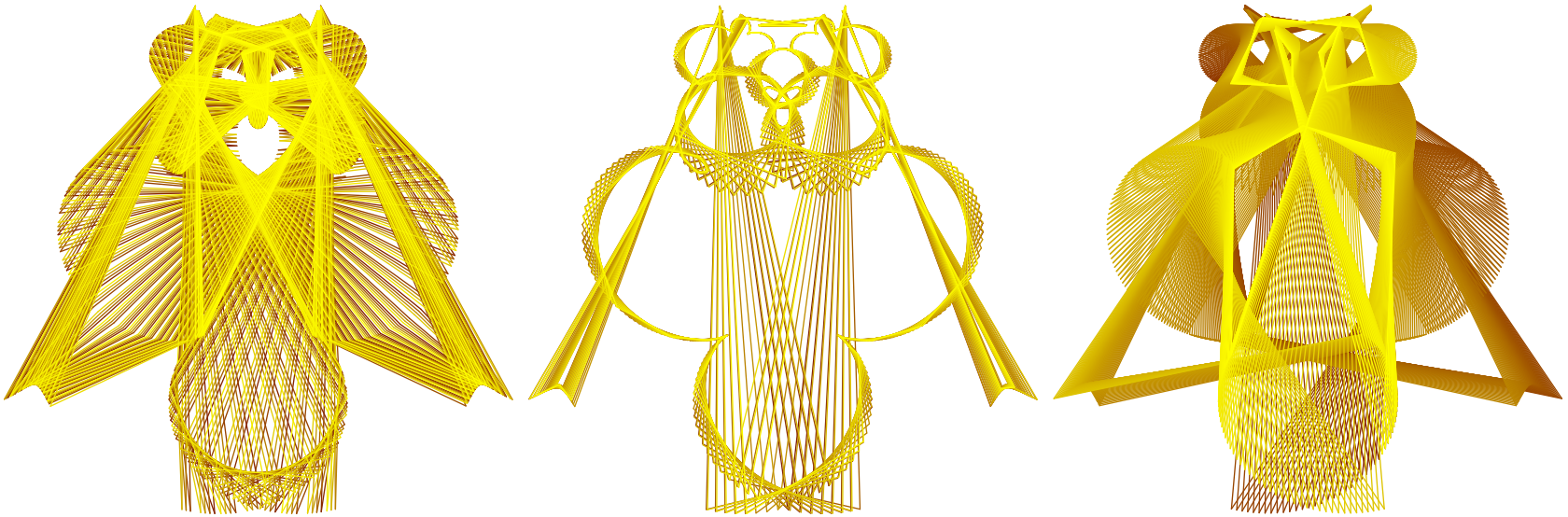
Insectobots – surveyor microprobes IV

Signa in silico 2002



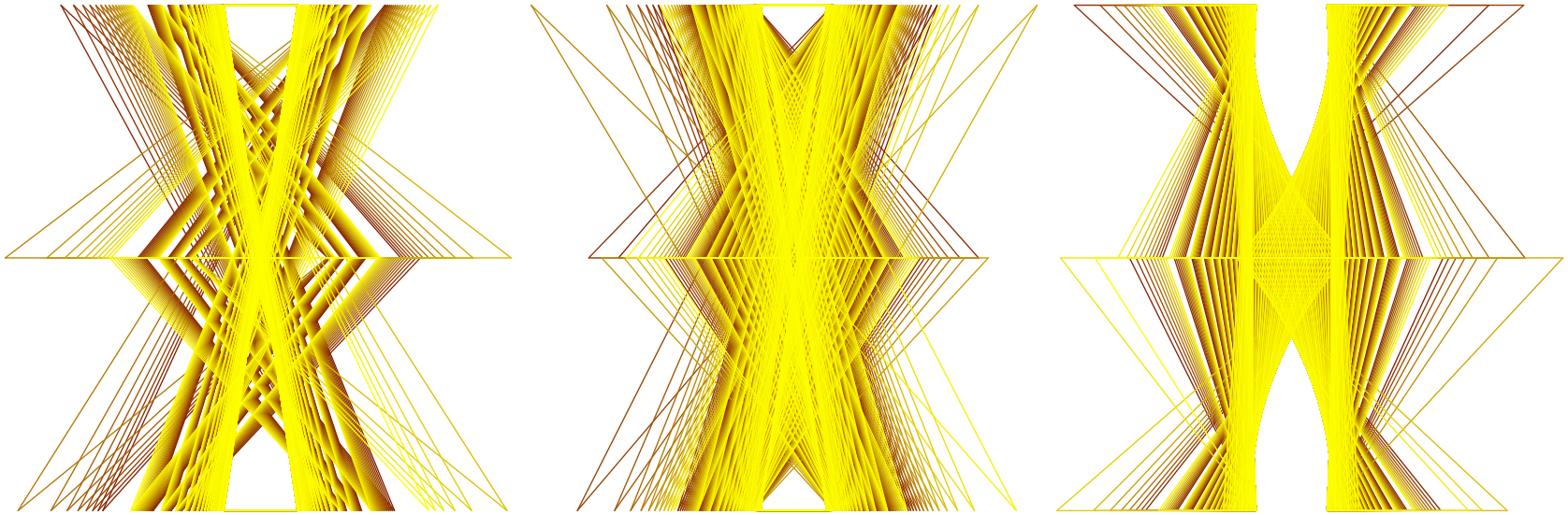
Insectobots – surveyor microprobes V

Signa in silico 2002



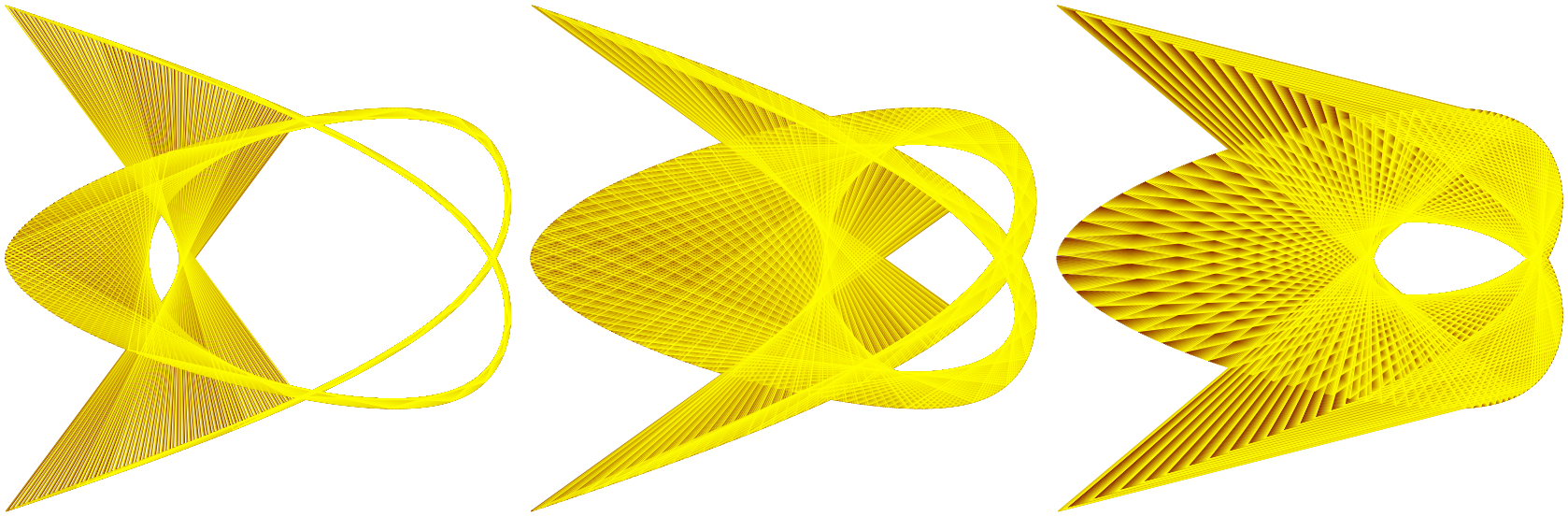
Insectobots – surveyor microprobes VI

Signa in silico 2002



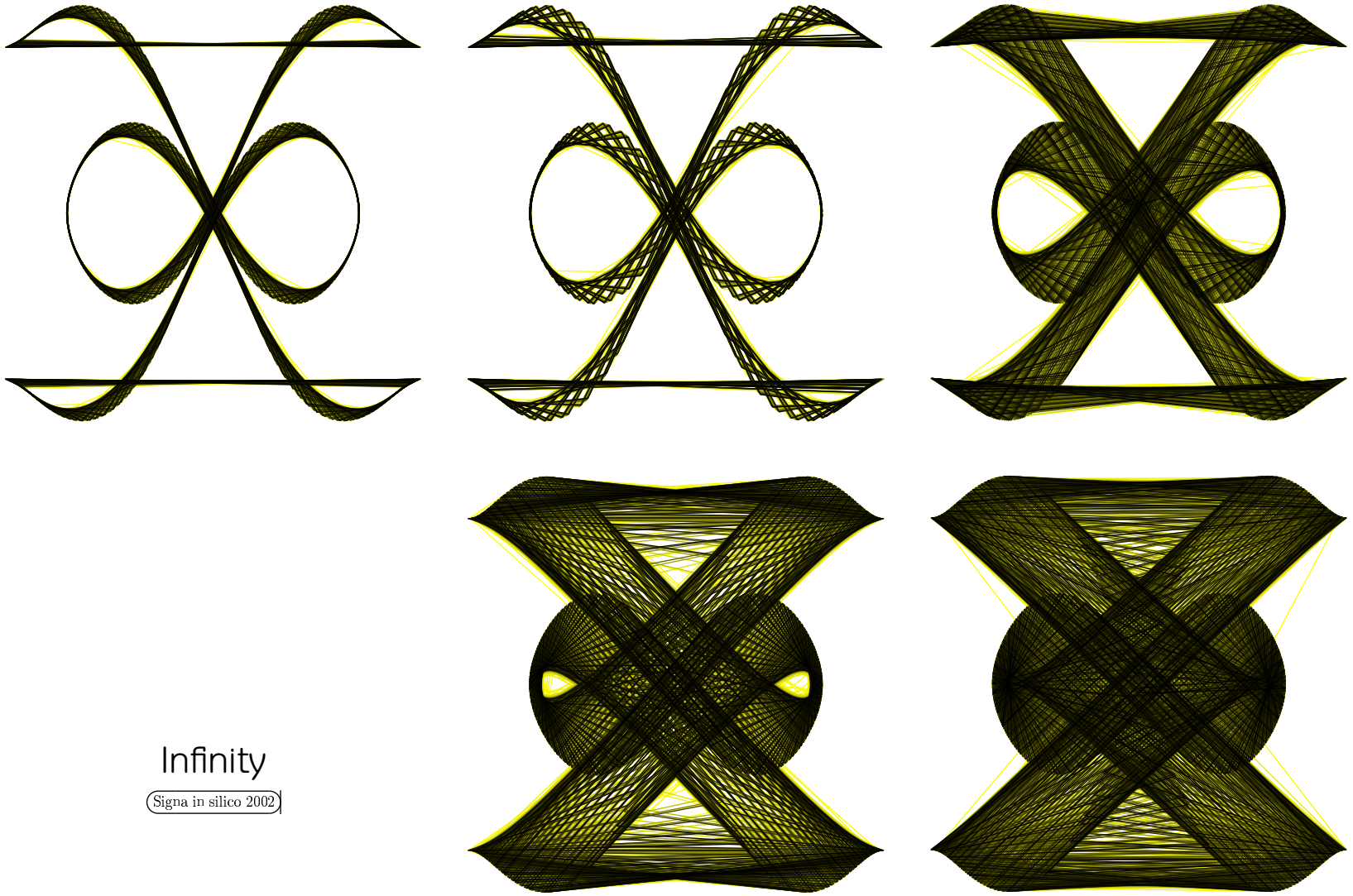
Free ornaments II

Signa in silico 2002



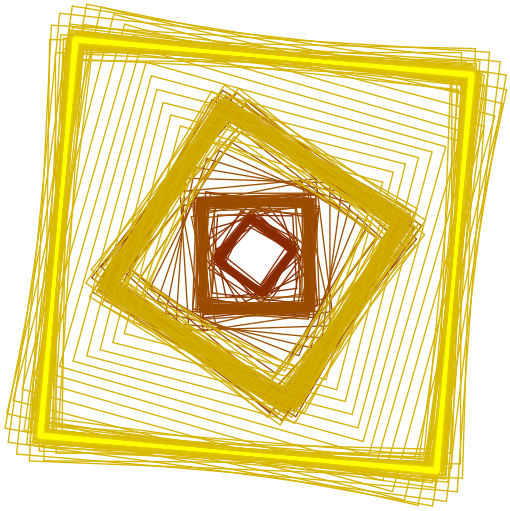
Free ornaments VII

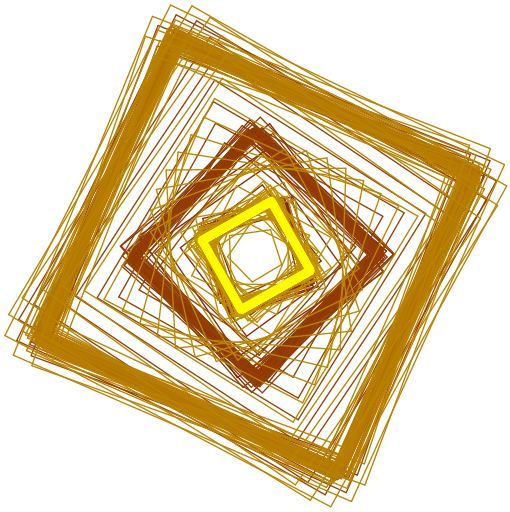
Signa in silico 2002

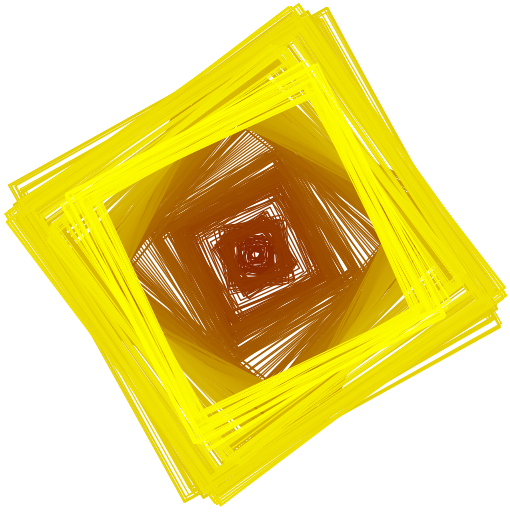


Infinity

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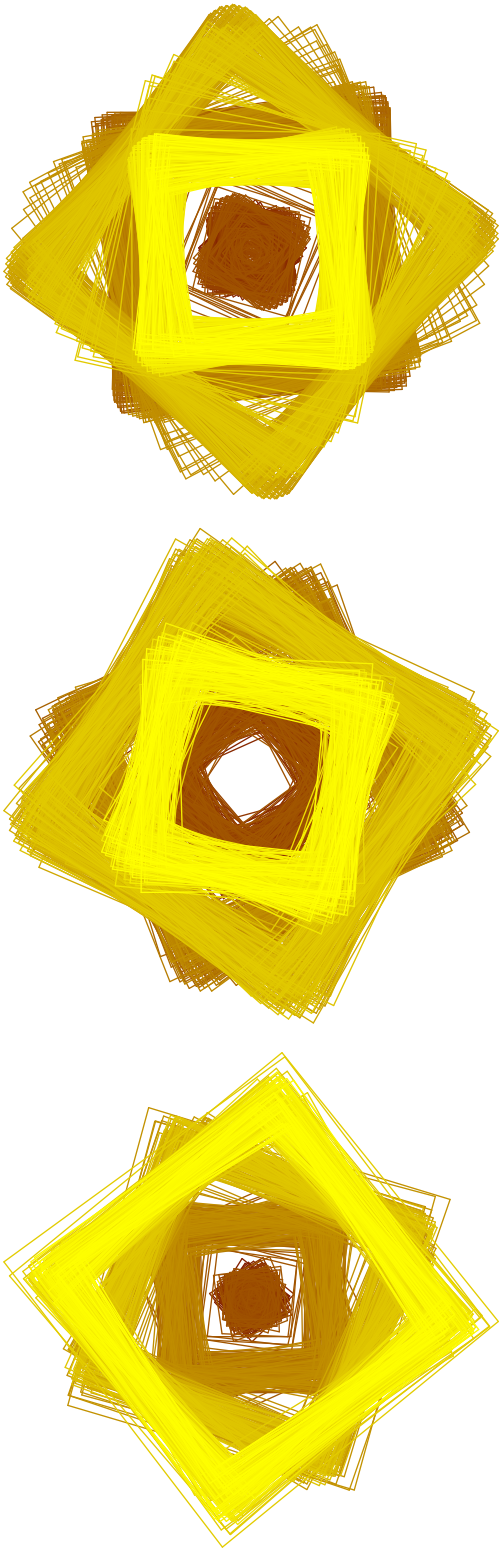






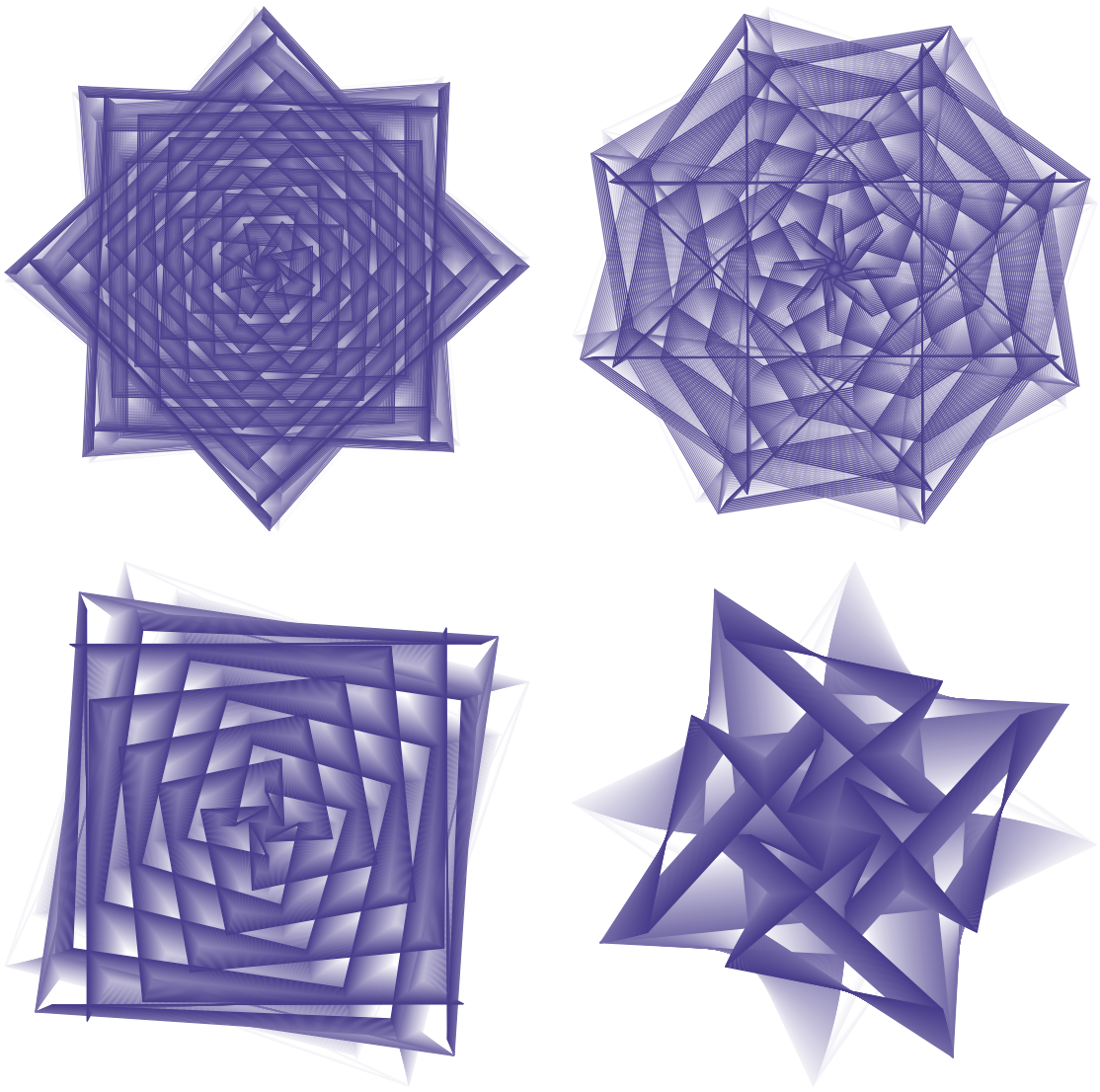
Windows into the past

Signa in silico 2002



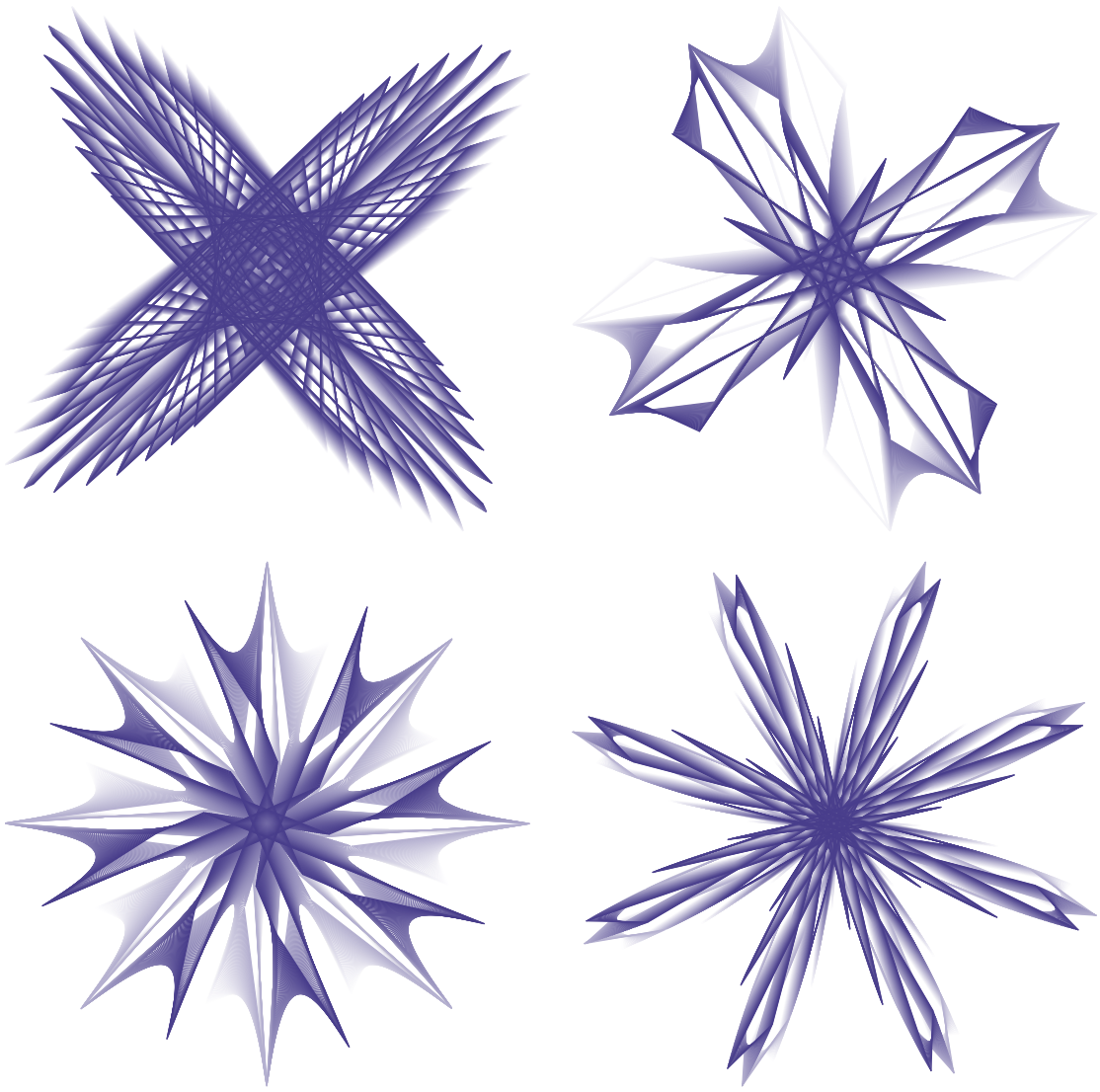
Windows into the past

Signa in silico 2002



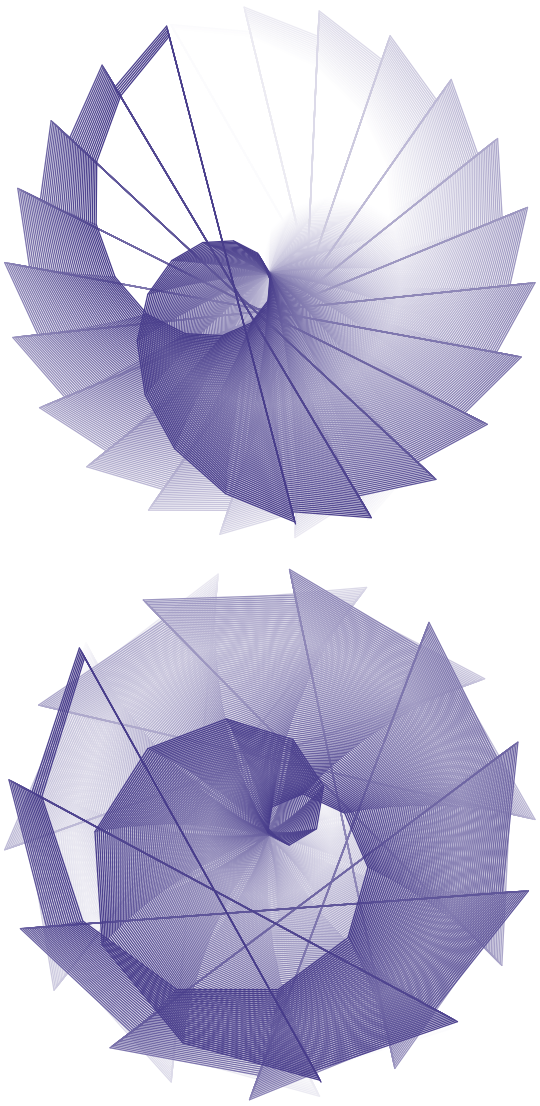
Interlace

Signa in silico 2002



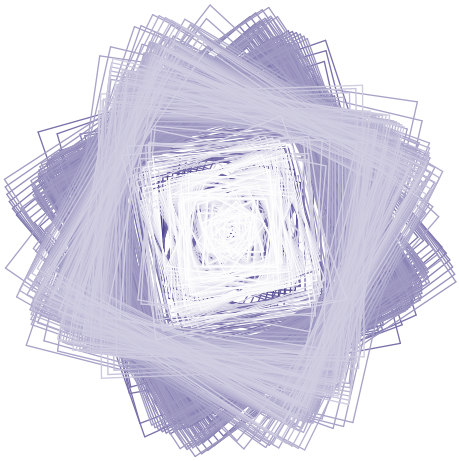
Stars

Signa in silico 2002

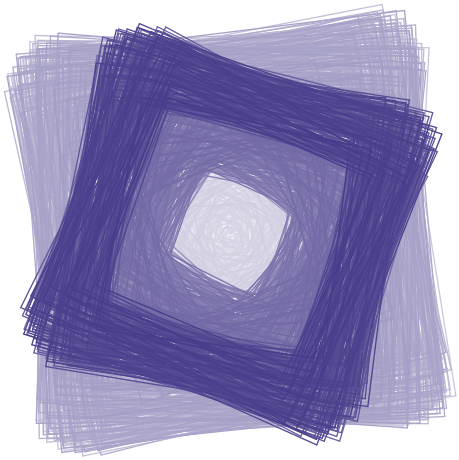


Dragon's birth

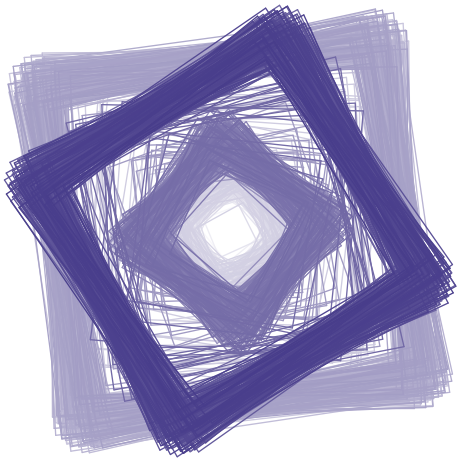
Signa in silico 2002



To tremble from the cold in the icy snow …



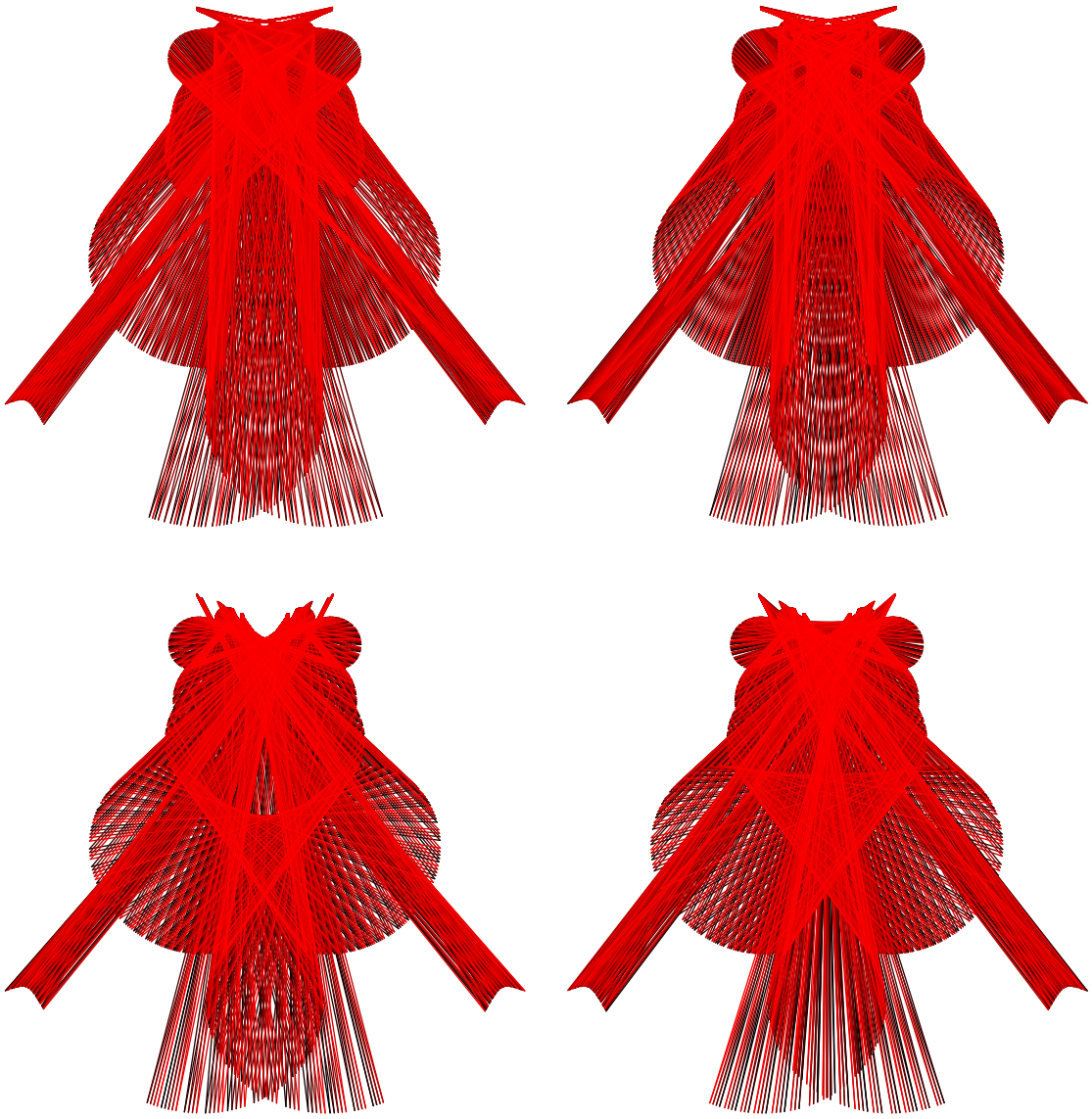
Before the fire to pass peaceful contented days …



To walk on the ice, … until the ice breaks up.

Vivaldi's The Four Seasons – Winter

Signa in silico 2002



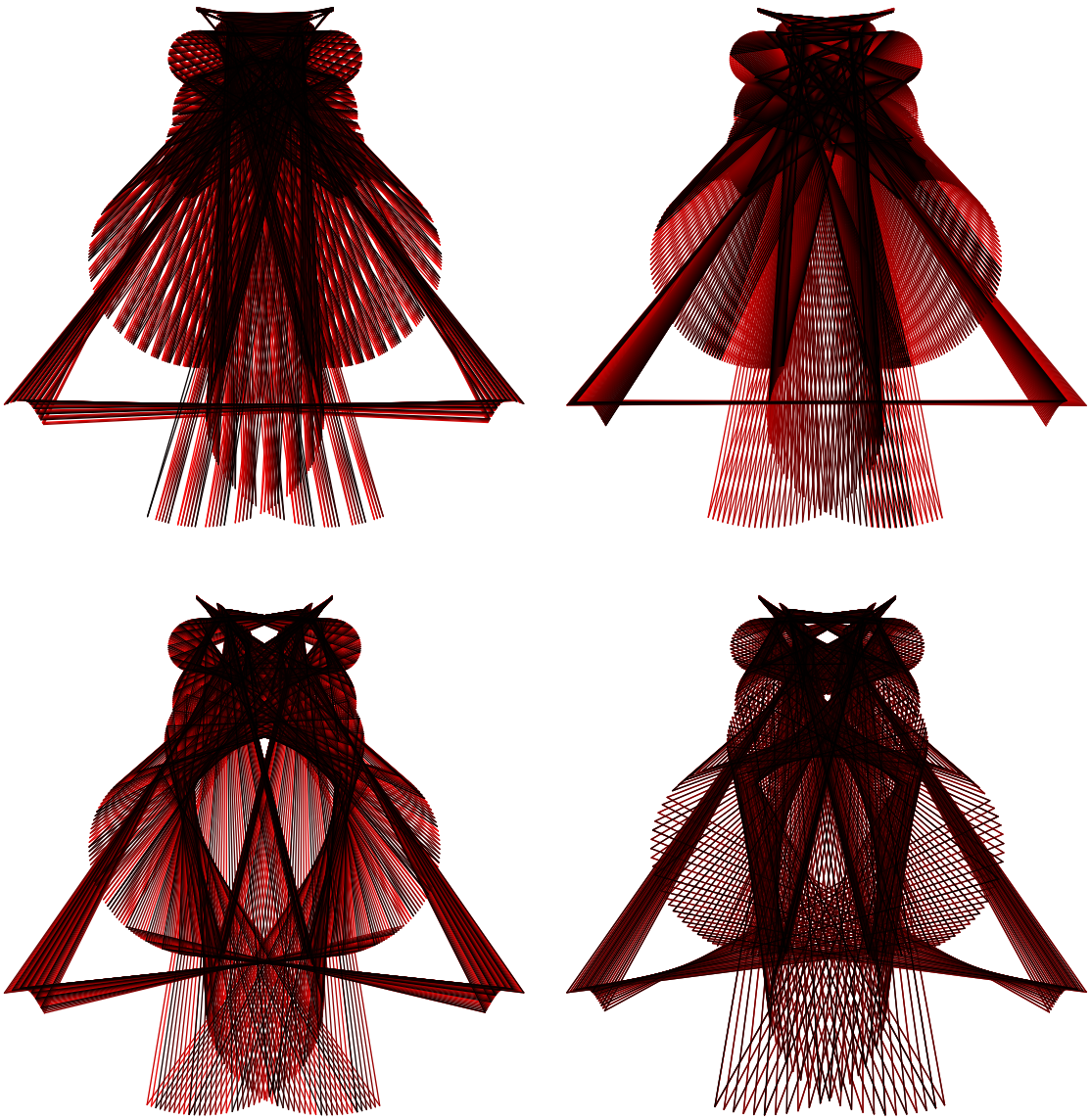
FM red fly gallery II

Signa in silico 2002



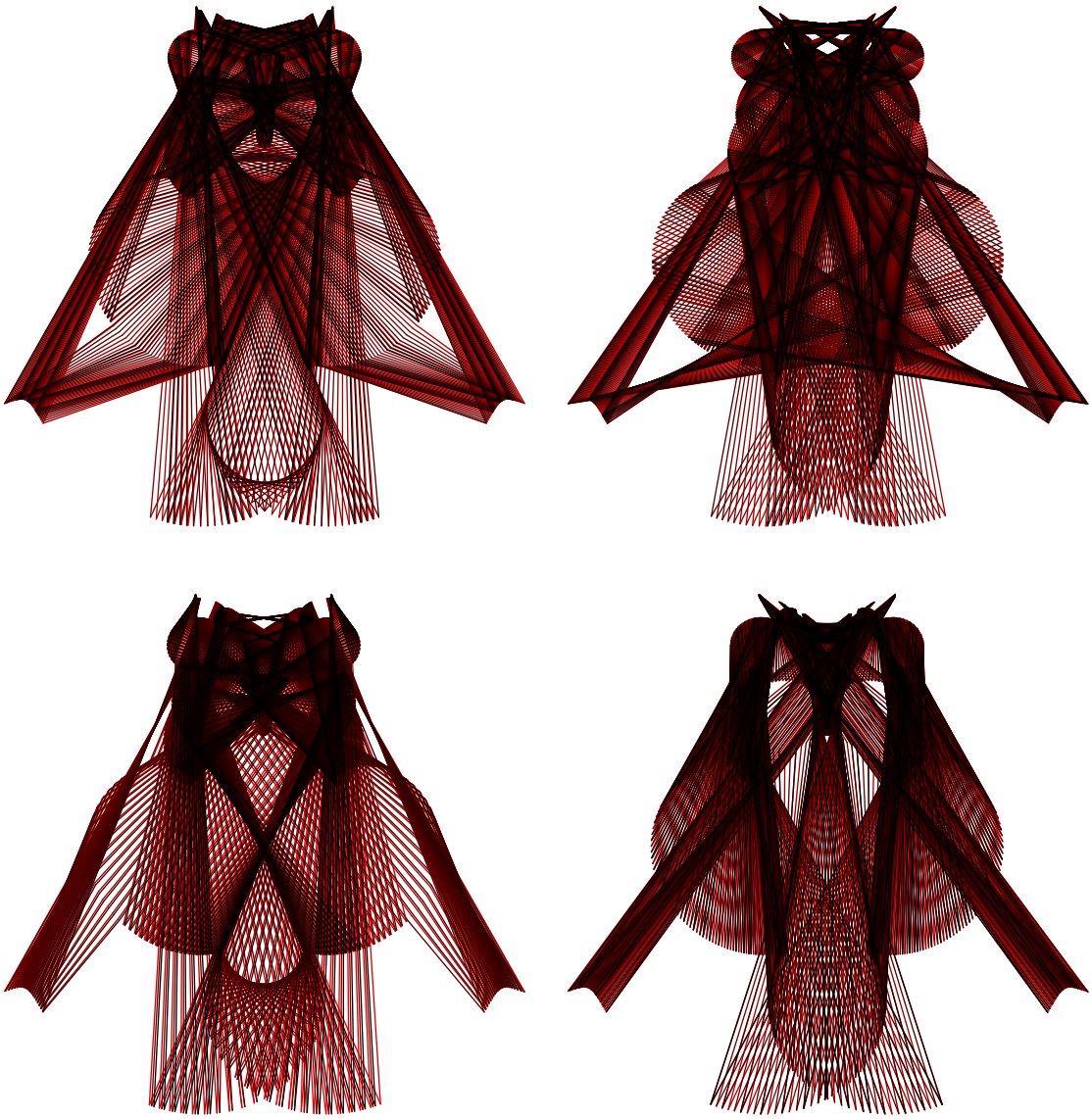
FM fly gallery

Signa in silico 2002



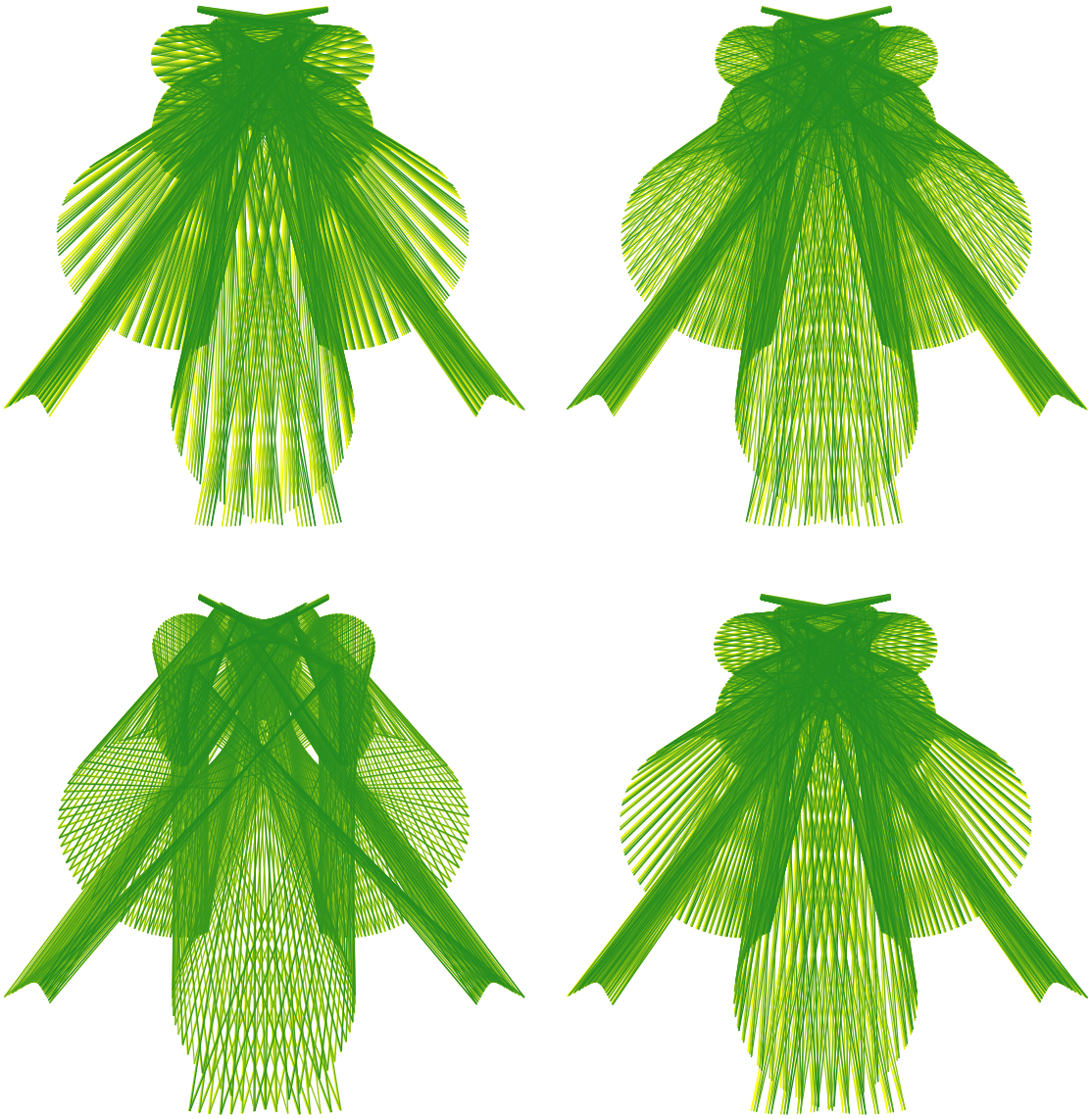
FM red and black fly gallery I

Signa in silico 2002



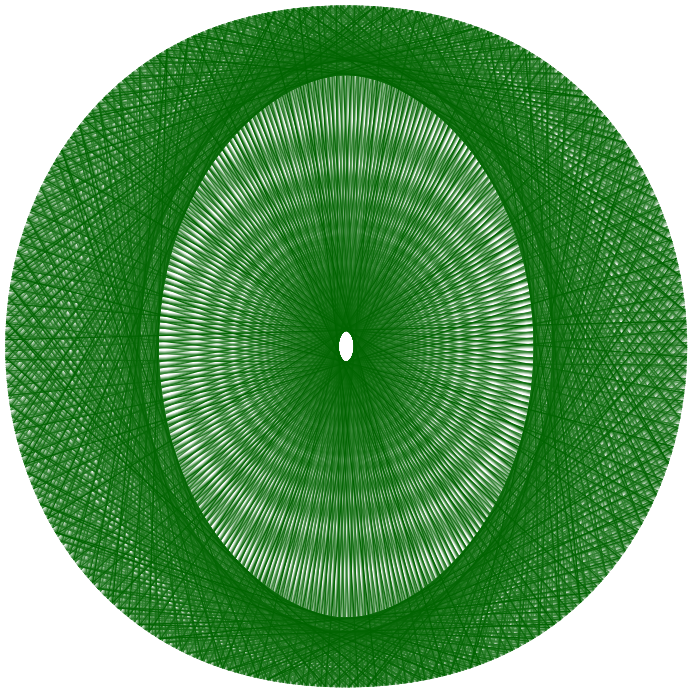
FM red and black fly gallery II

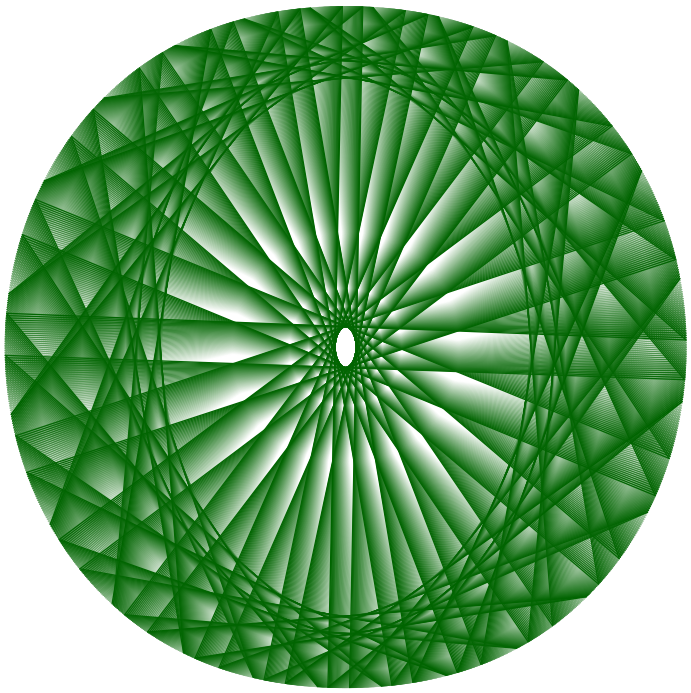
Signa in silico 2002



FM green fly gallery III

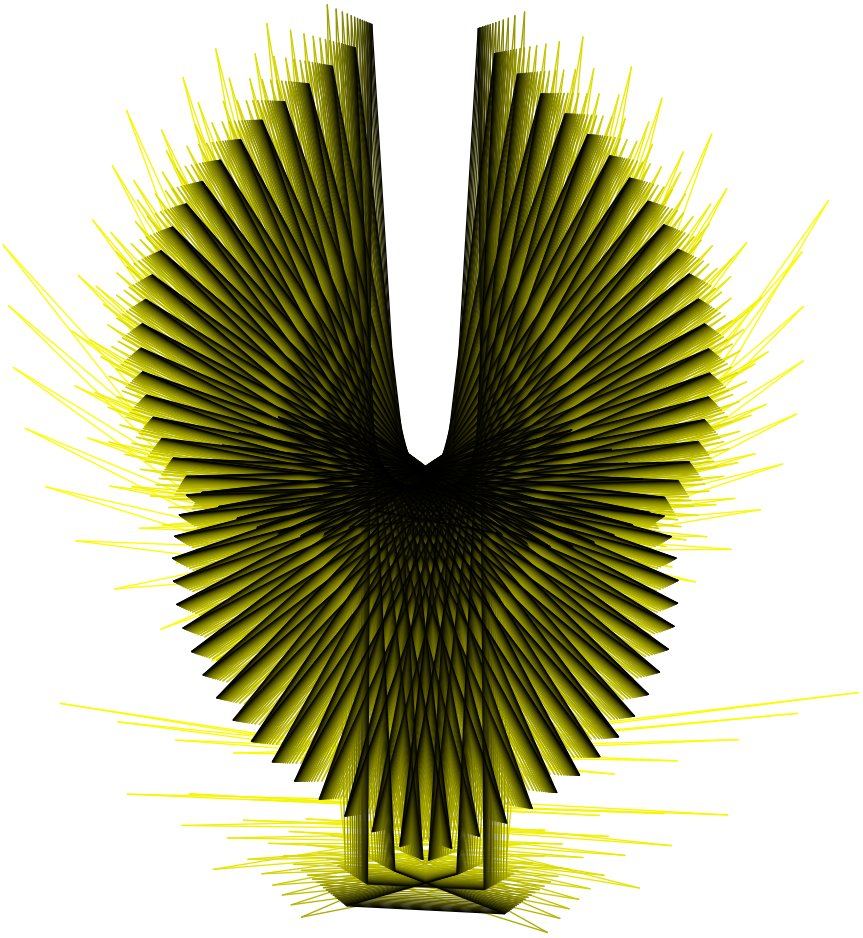
Signa in silico 2002





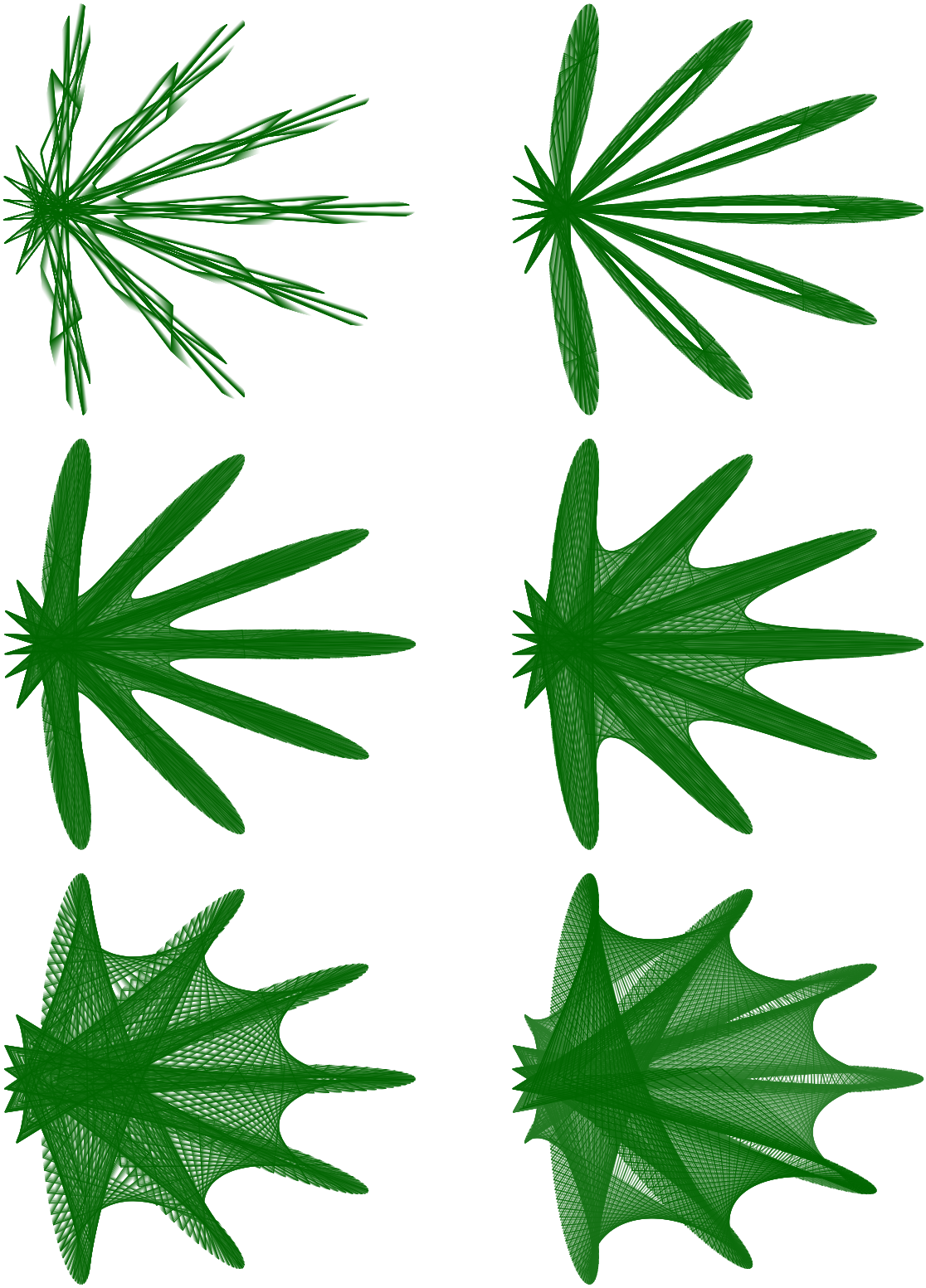
In the near light

Signa in silico 2002



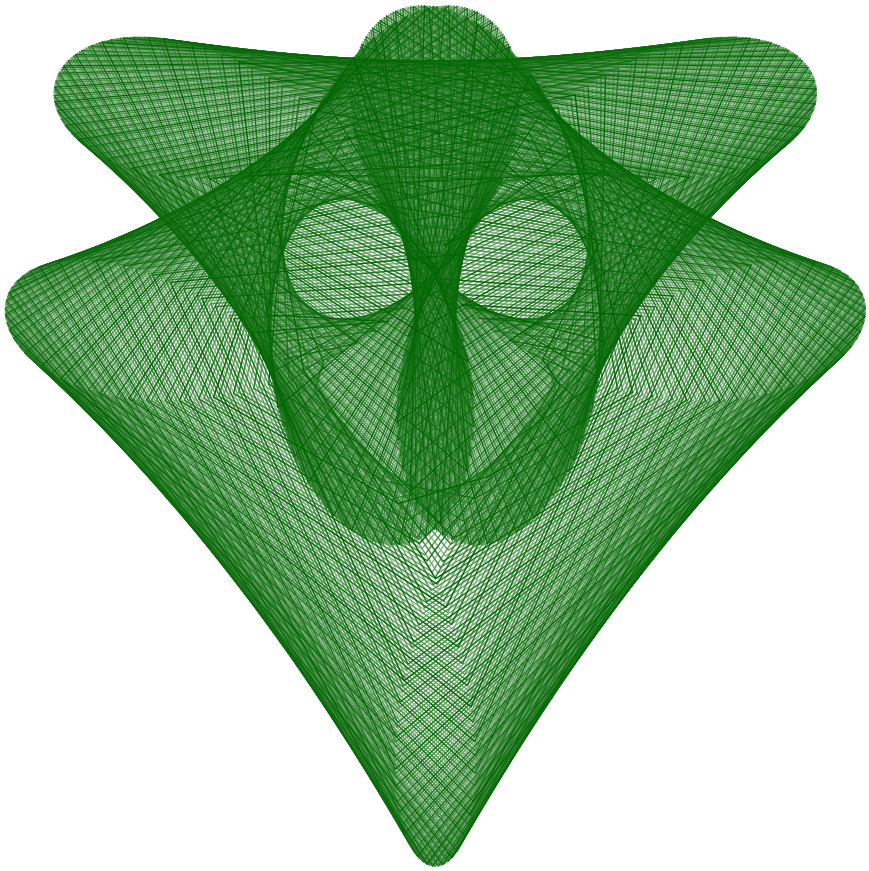
Anticipation

Signa in silico 2002



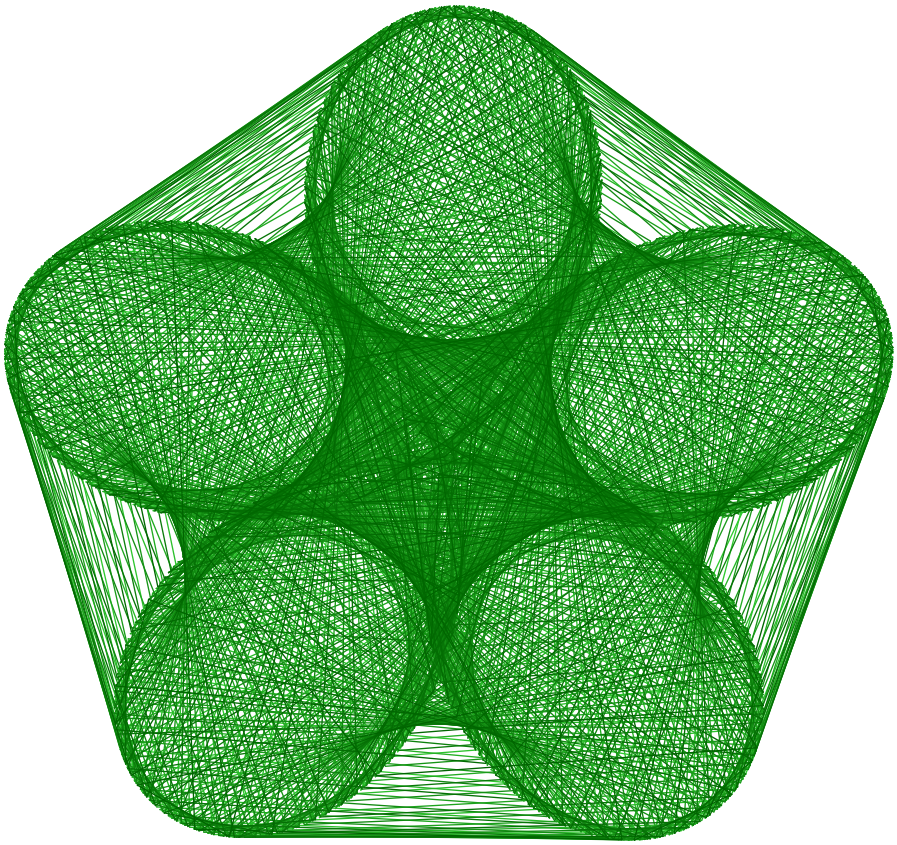
Six experiments: design of hands

Signa in silico 2002



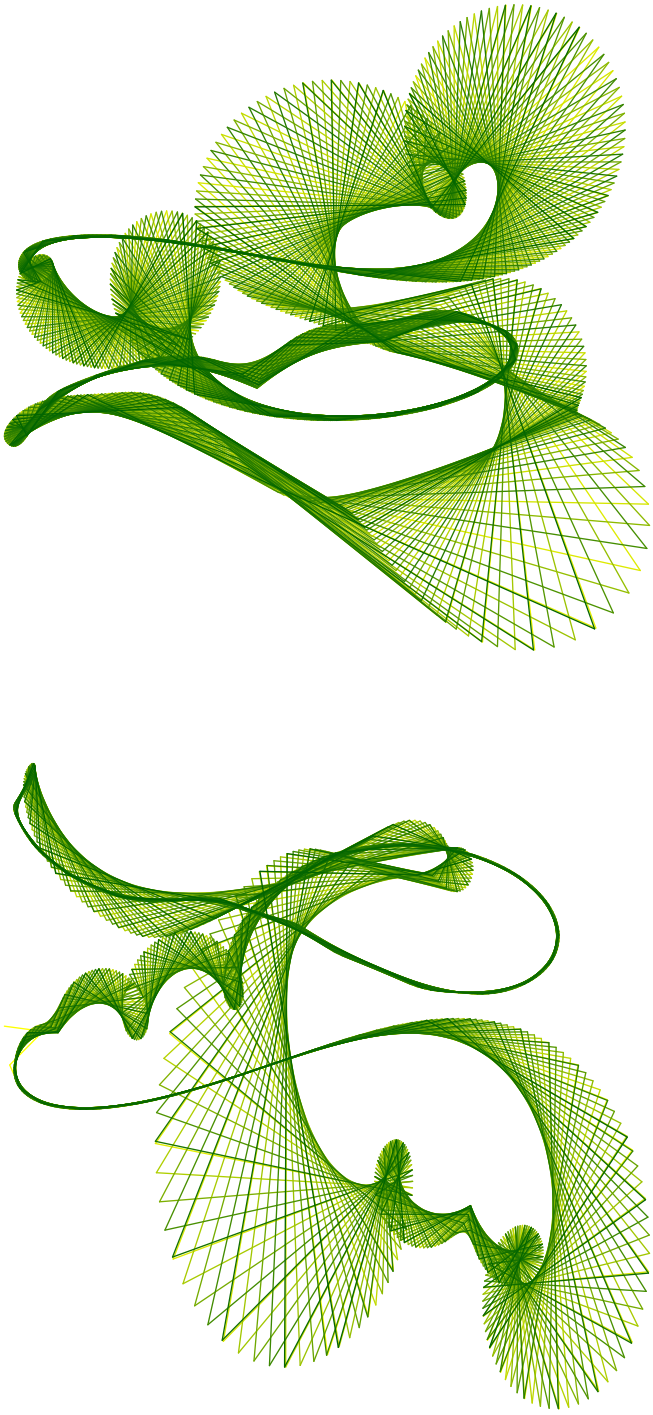
Nostradamus

Signa in silico 2002



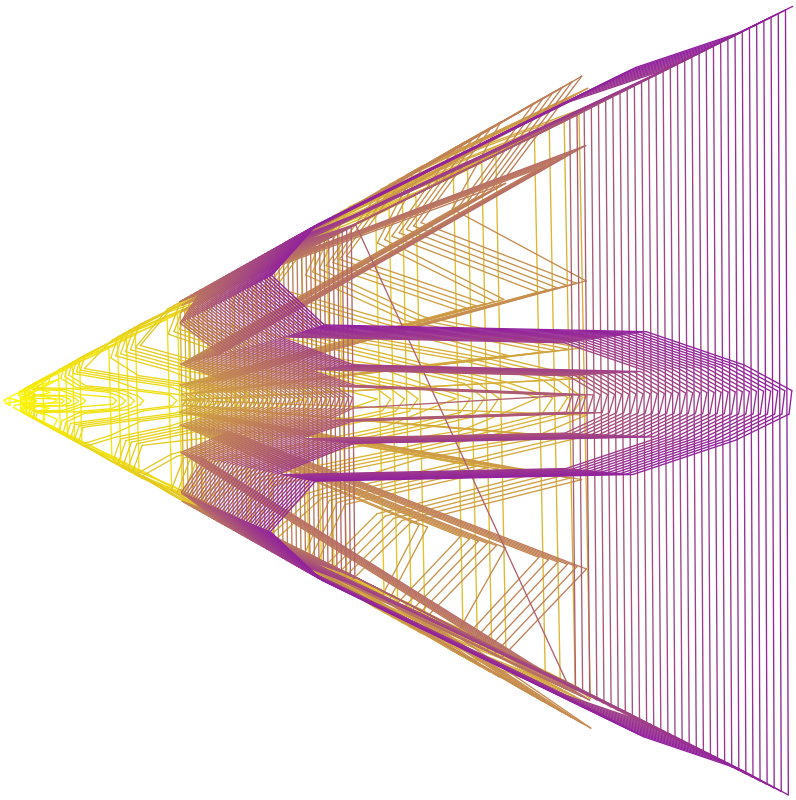
Golem

Signa in silico 2002



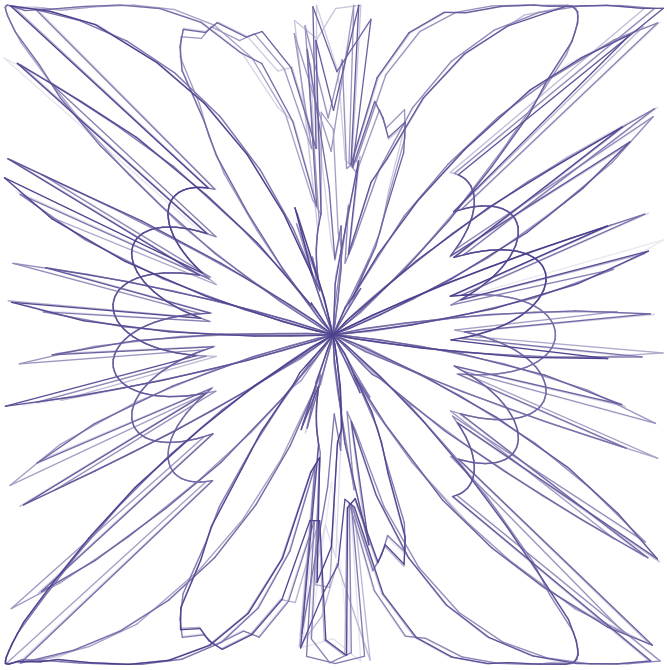
Marine flora

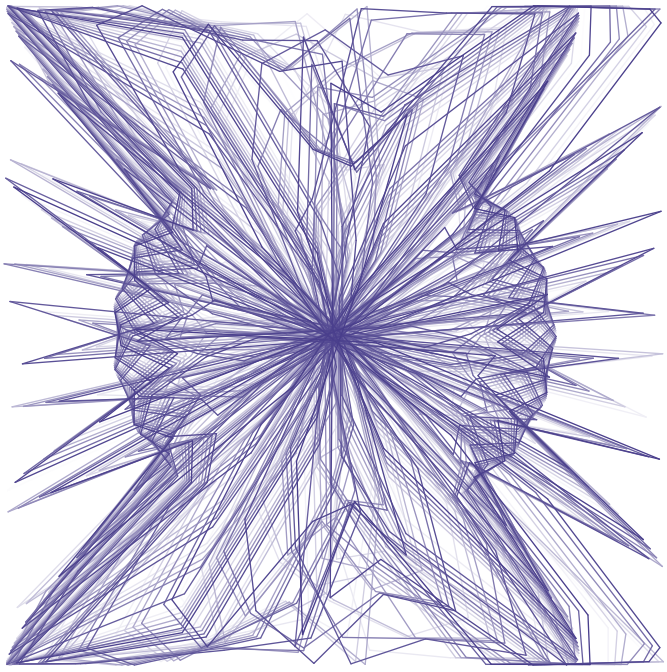
Signa in silico 2002



Glider

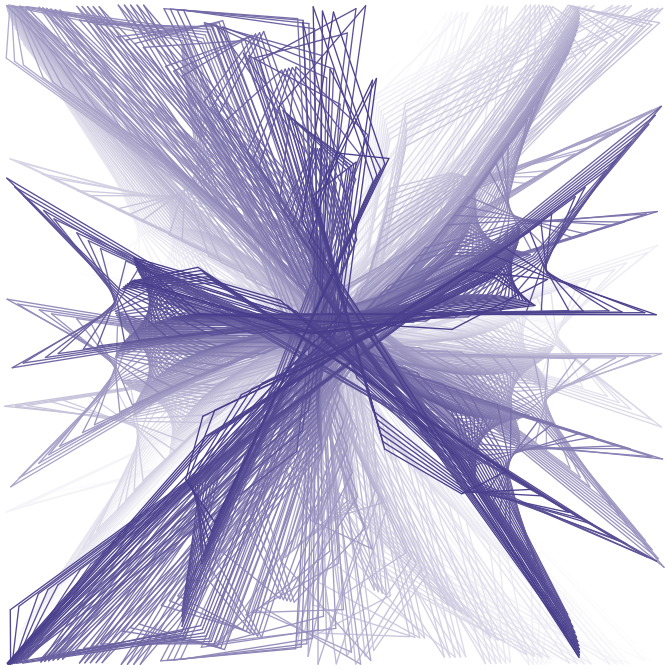
Signa in silico 2002

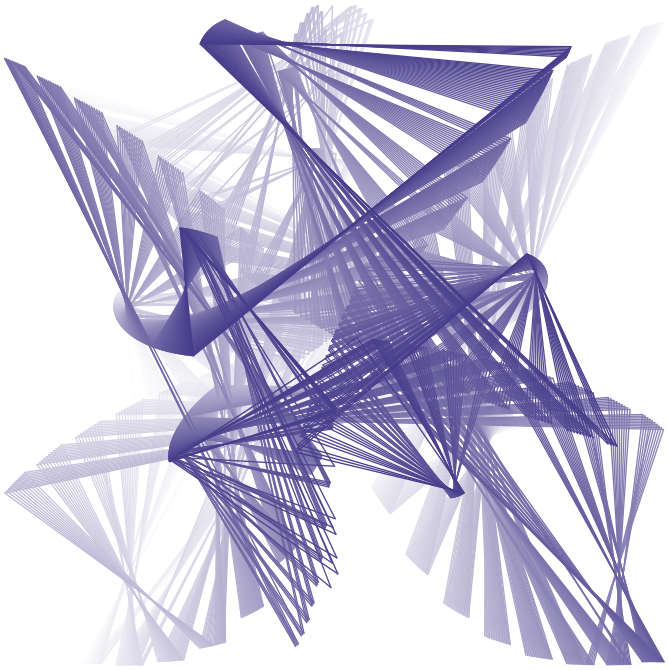




Signa in silico Mabinogion variations

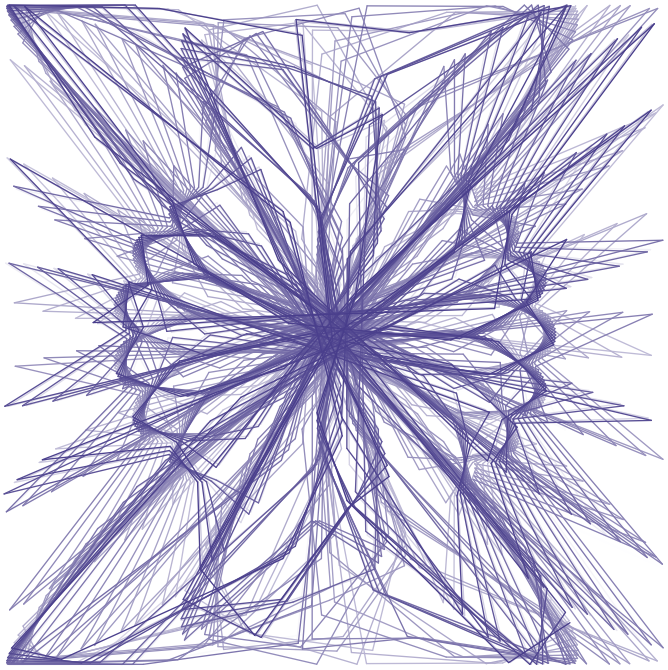
Signa in silico 2002

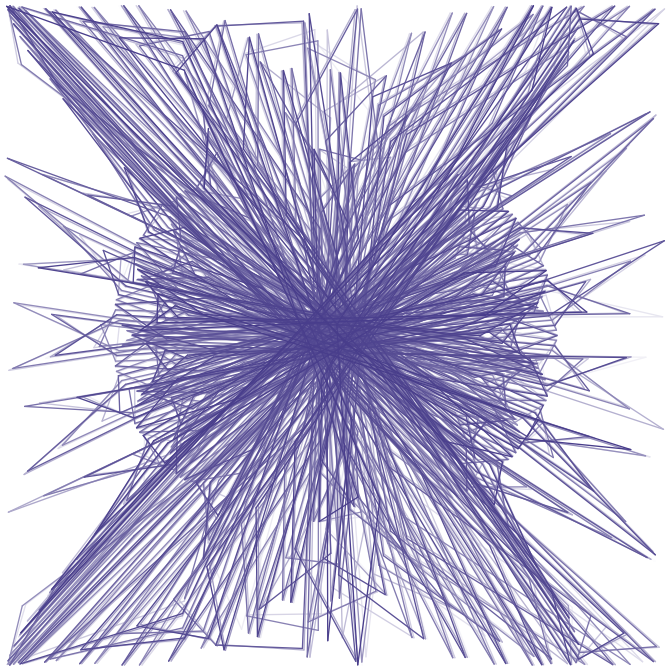




Signa in silico Mabinogion variations

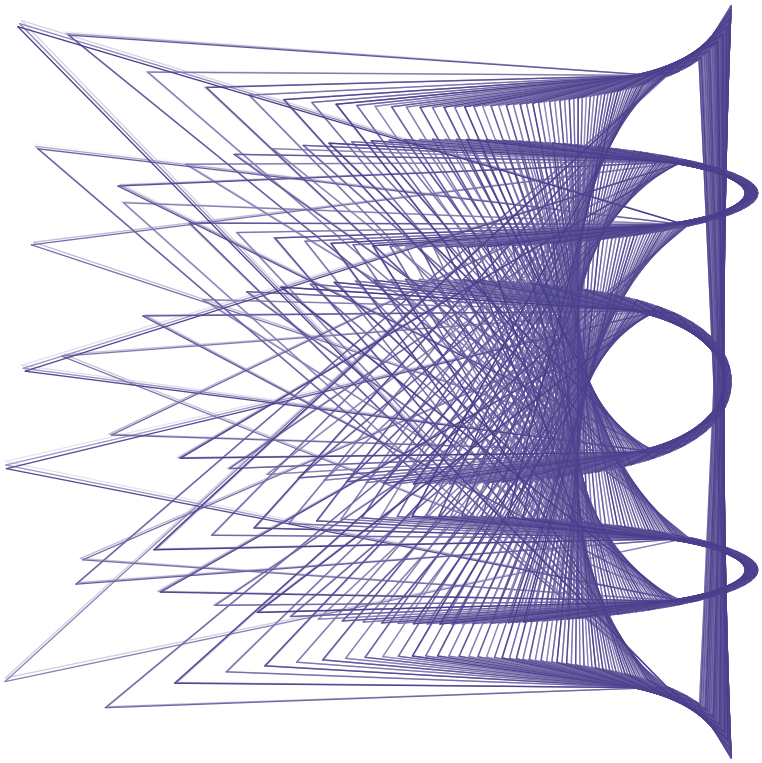
Signa in silico 2002





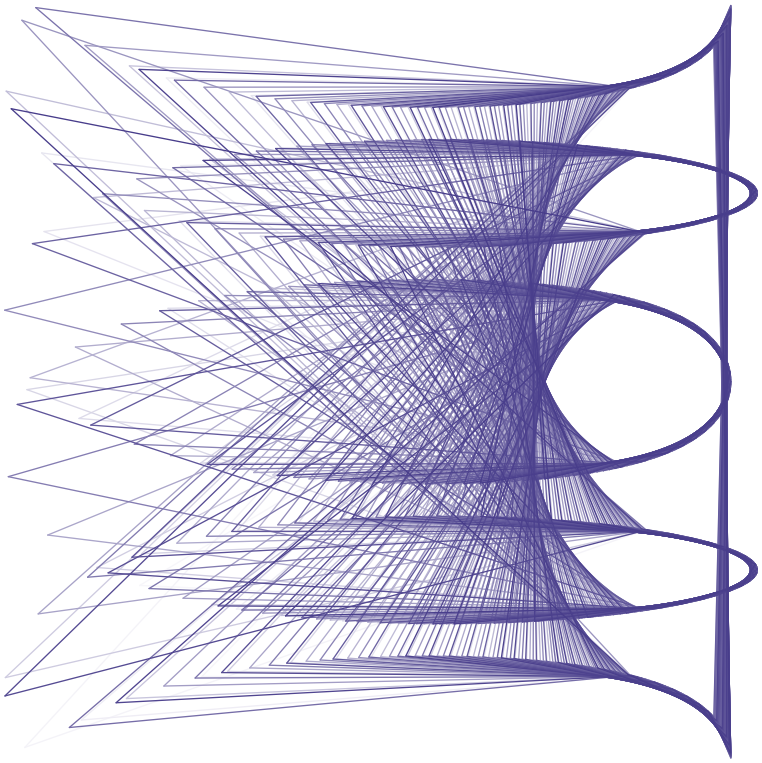
Signa in silico Mabinogion variations

Signa in silico 2002



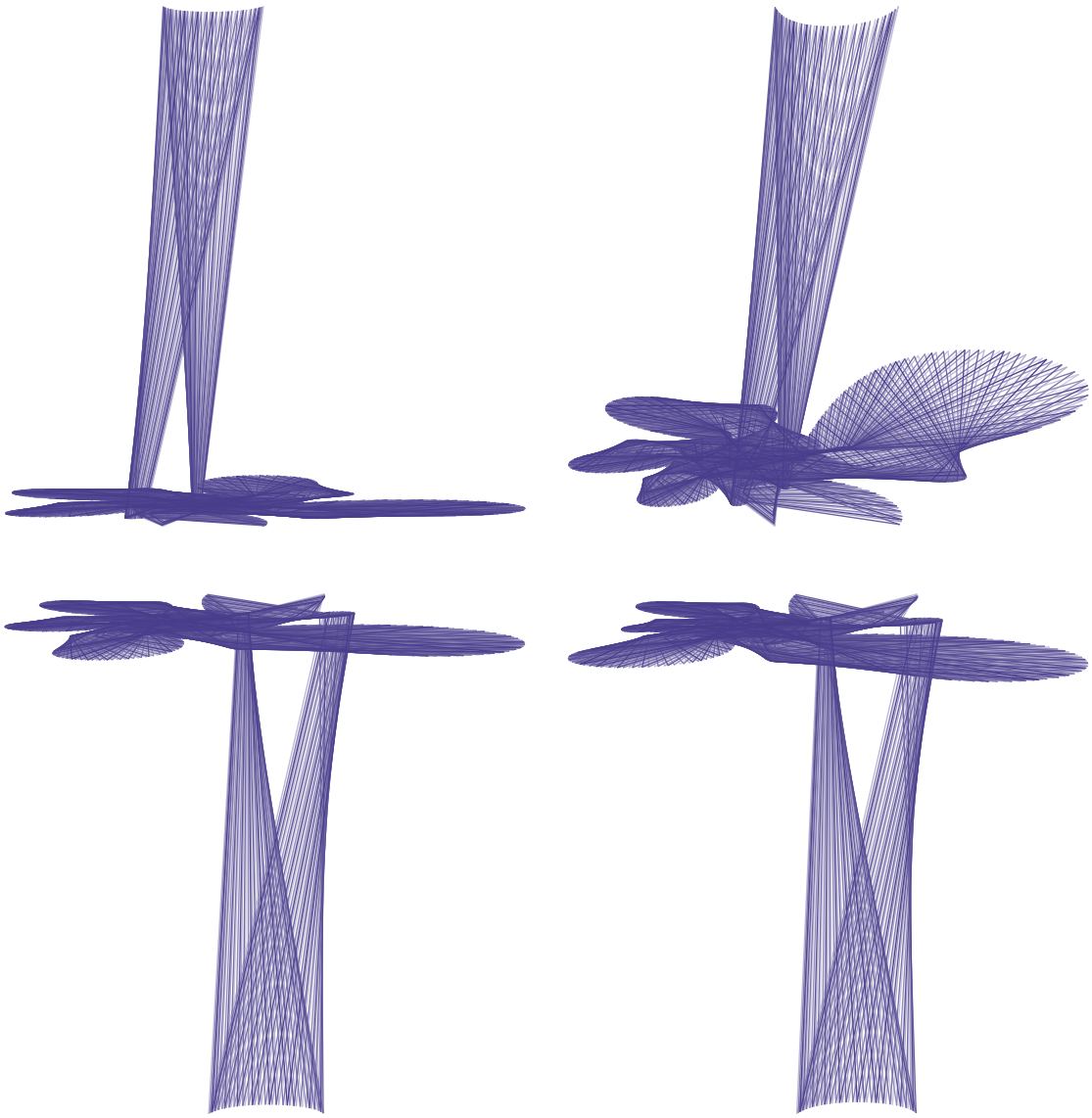
Three fishes chant a hymn

Signa in silico 2002



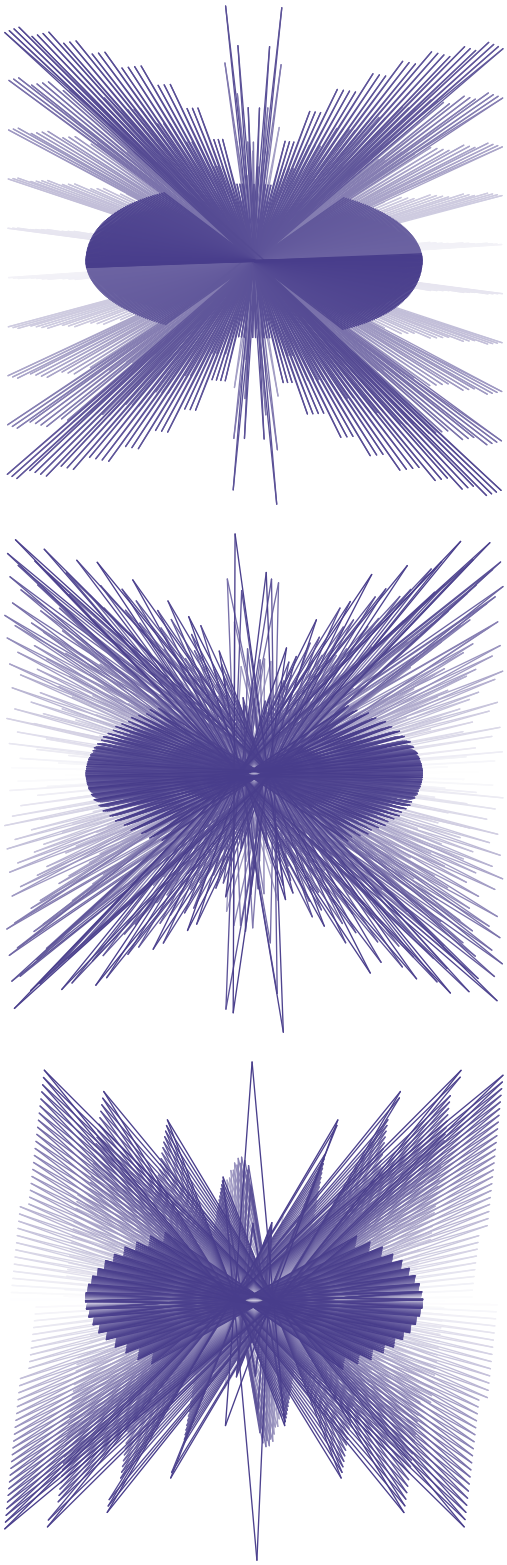
Three fishes chant a hymn

Signa in silico 2002



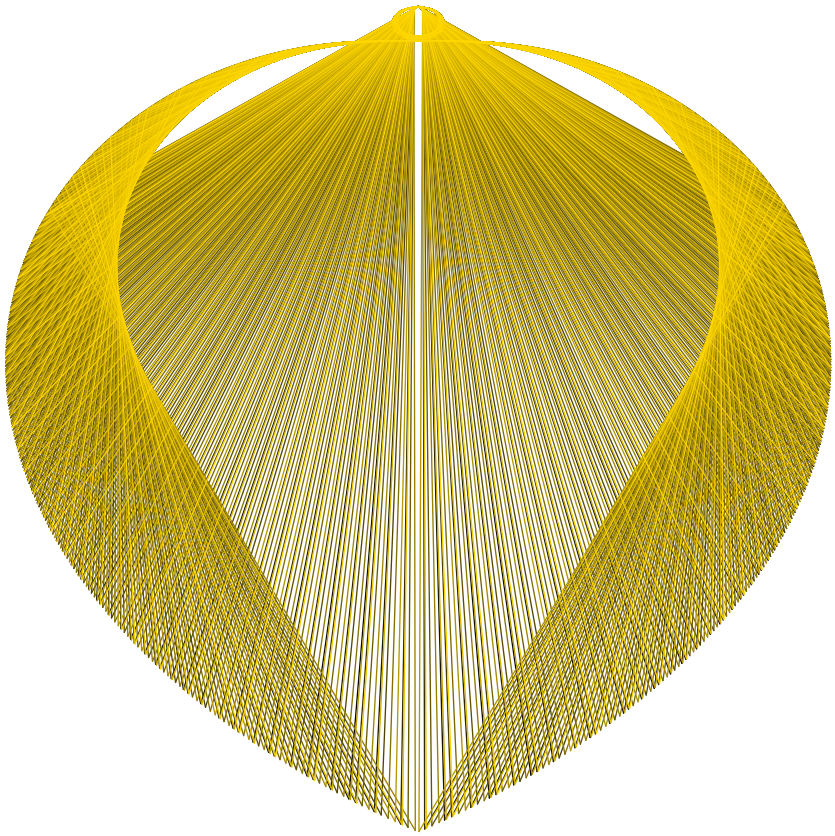
Antipodeans

Signa in silico 2002



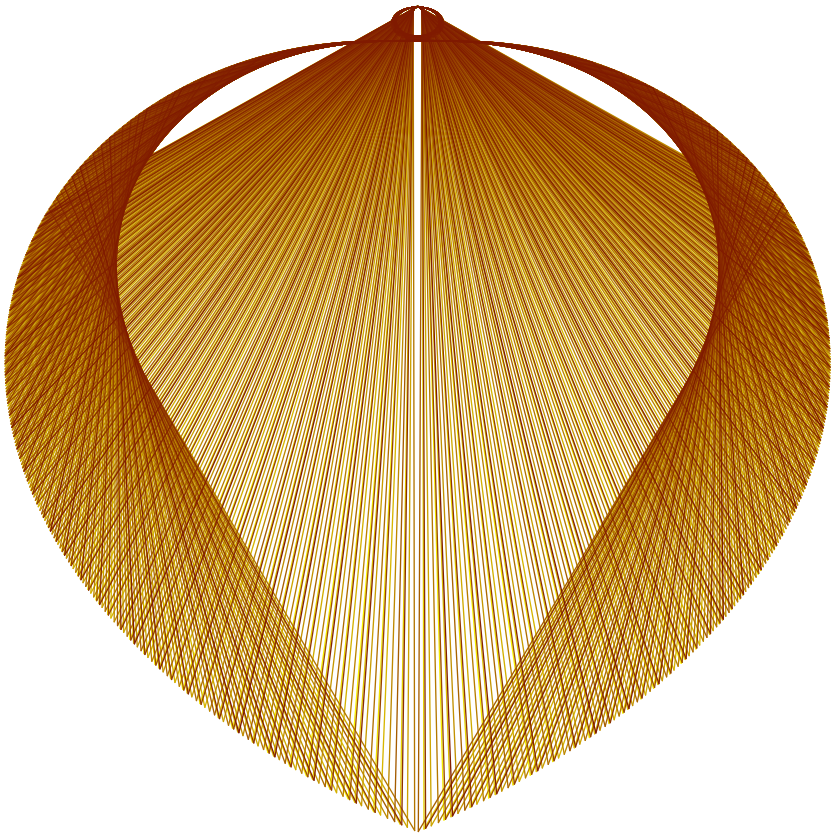
Polarisation

Signa in silico 2003



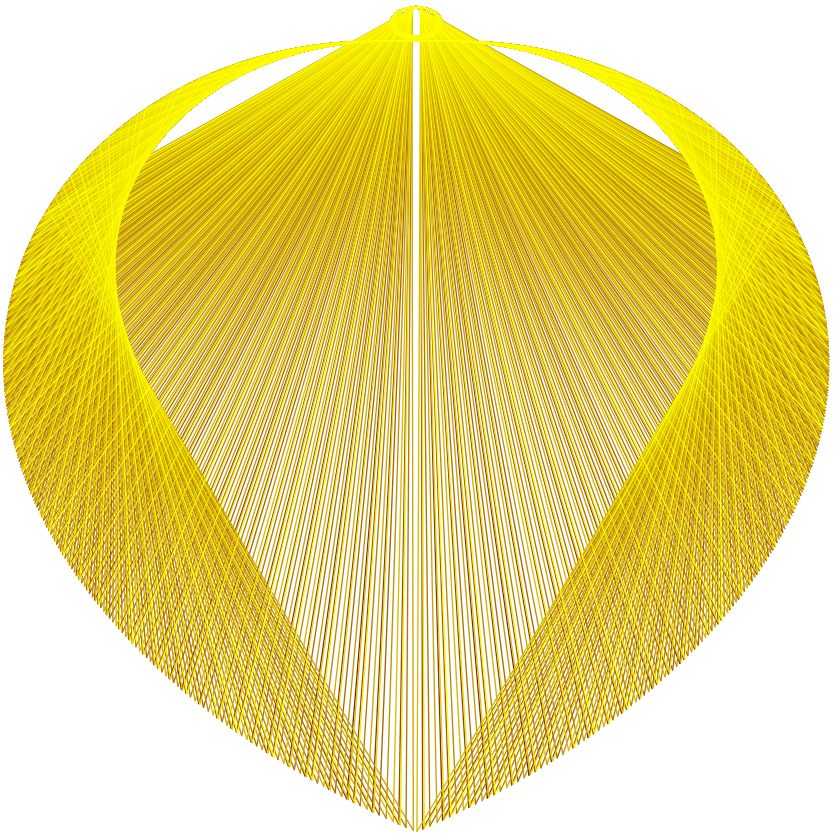
Per aspera ad astra

Signa in silico 2003



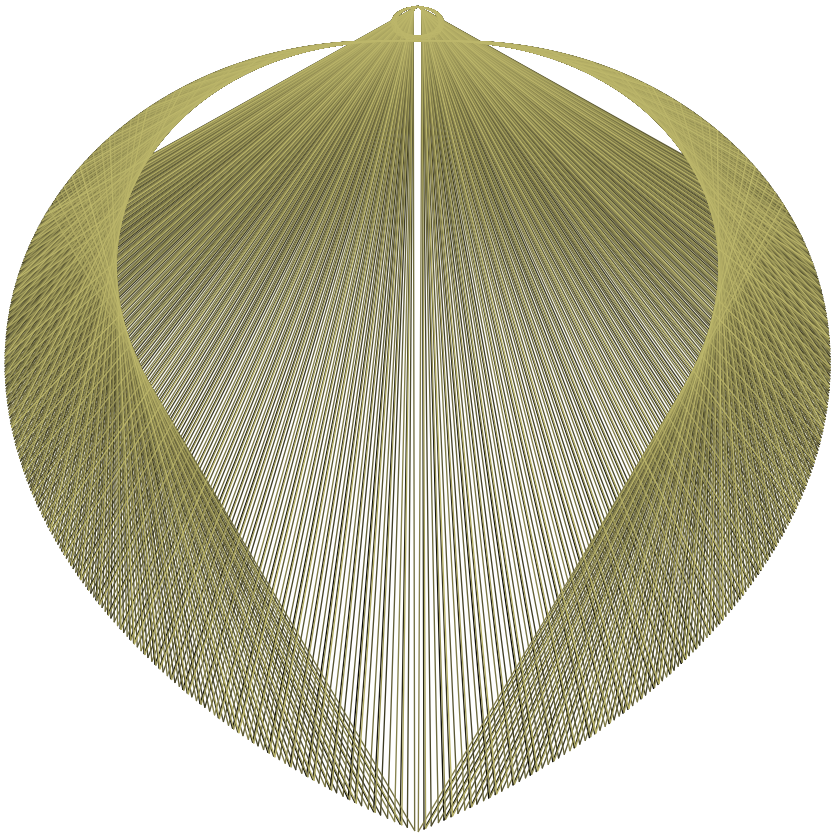
Per aspera ad astra

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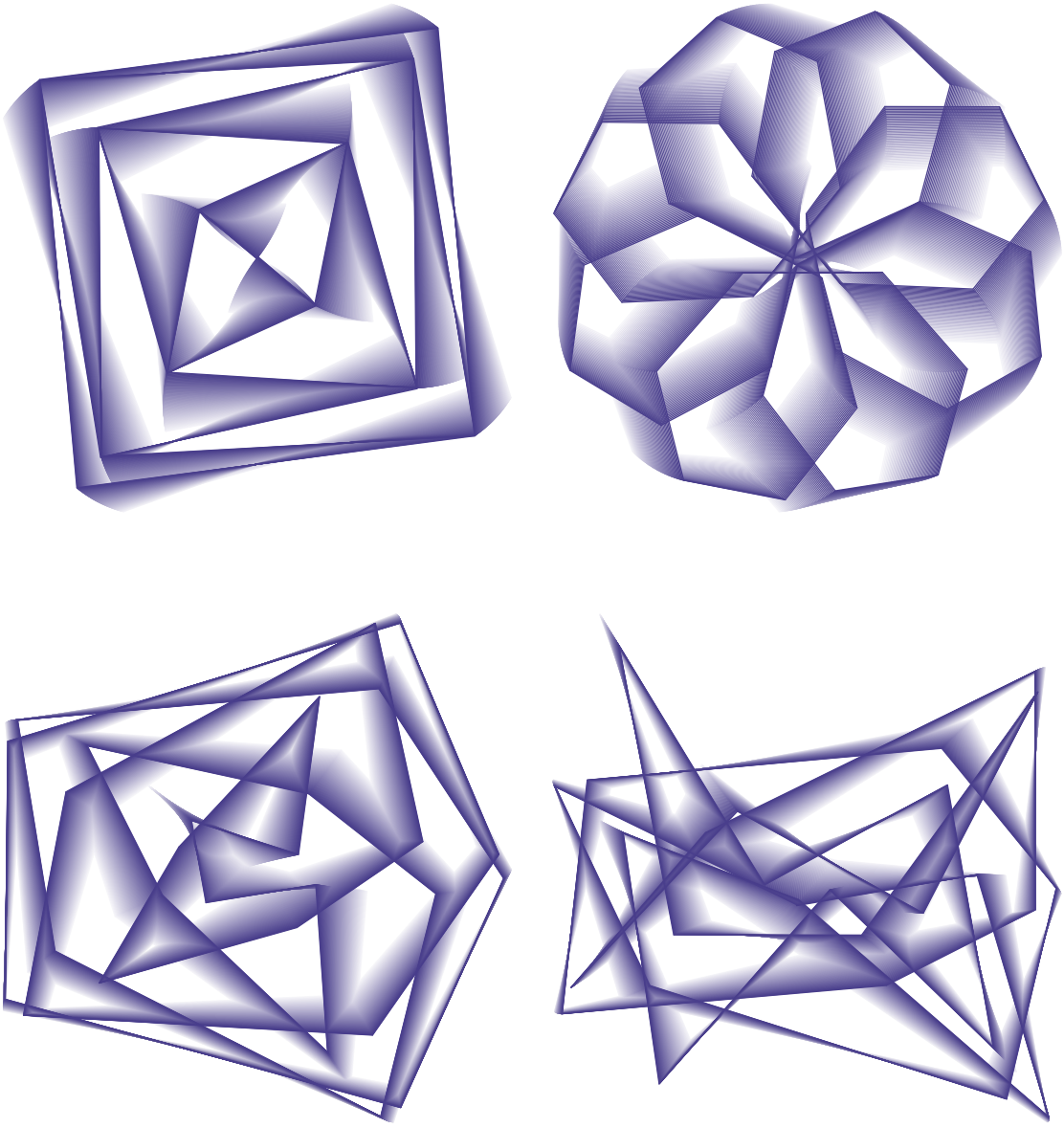
Per aspera ad astra

Signa in silico 2003



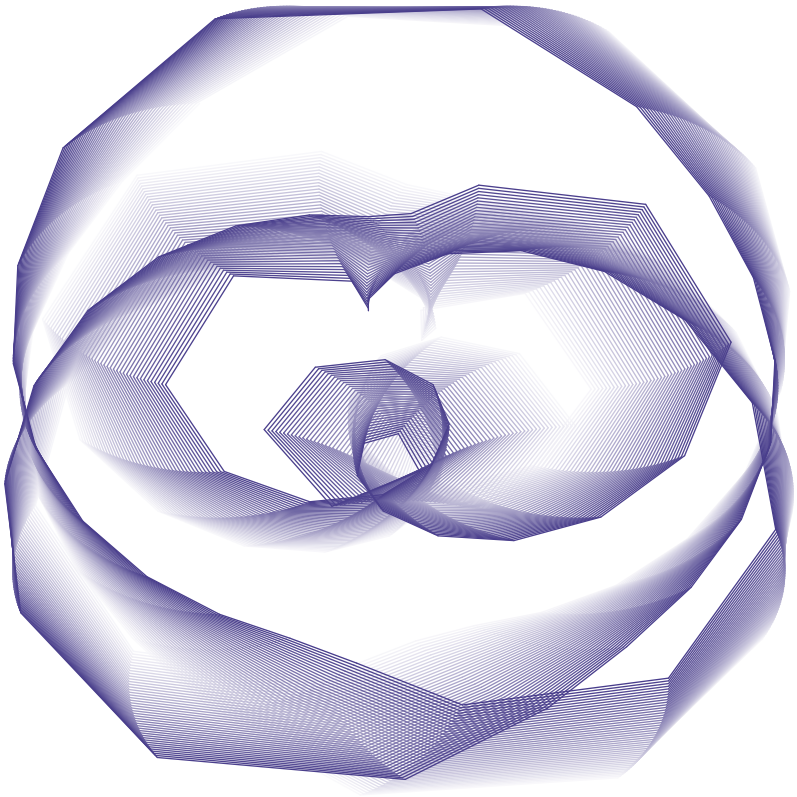
Per aspera ad astra

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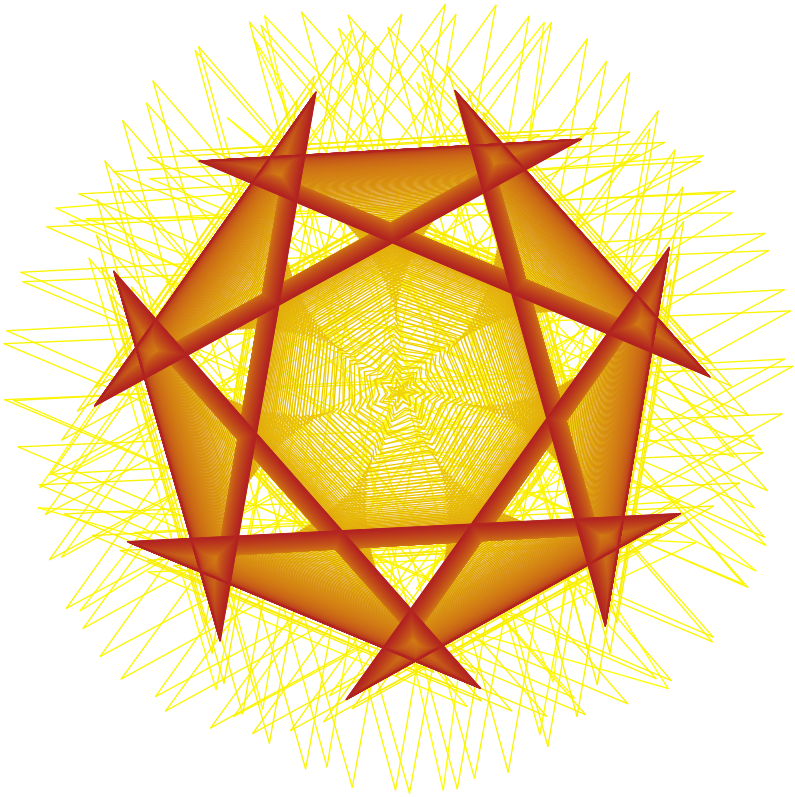
Symmetry breakings I

Signa in silico 2003



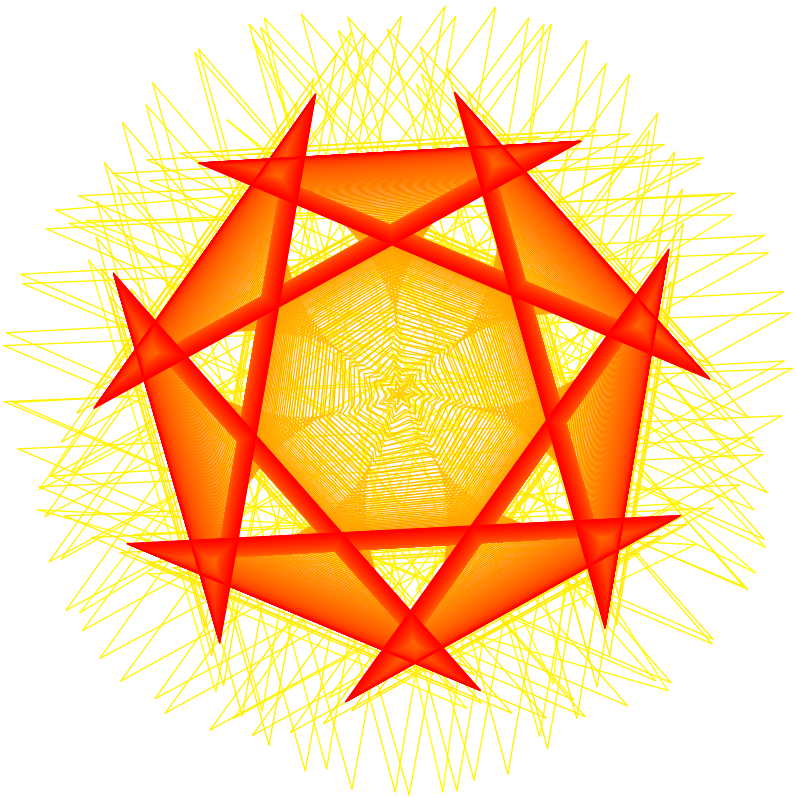
Cor recurvata

Signa in silico 2003



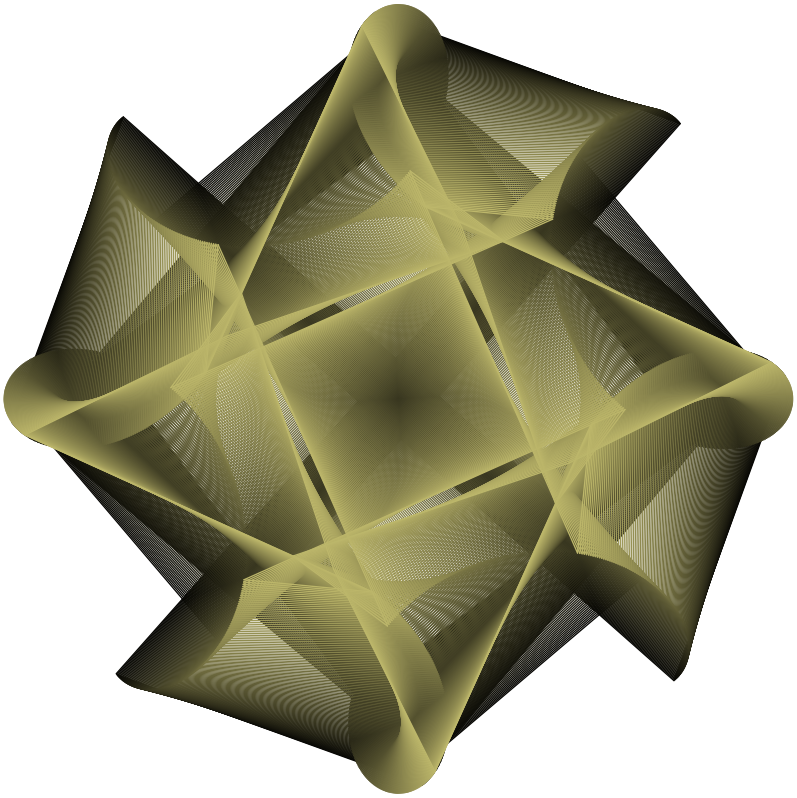
Crown of thorns

Signa in silico 2003



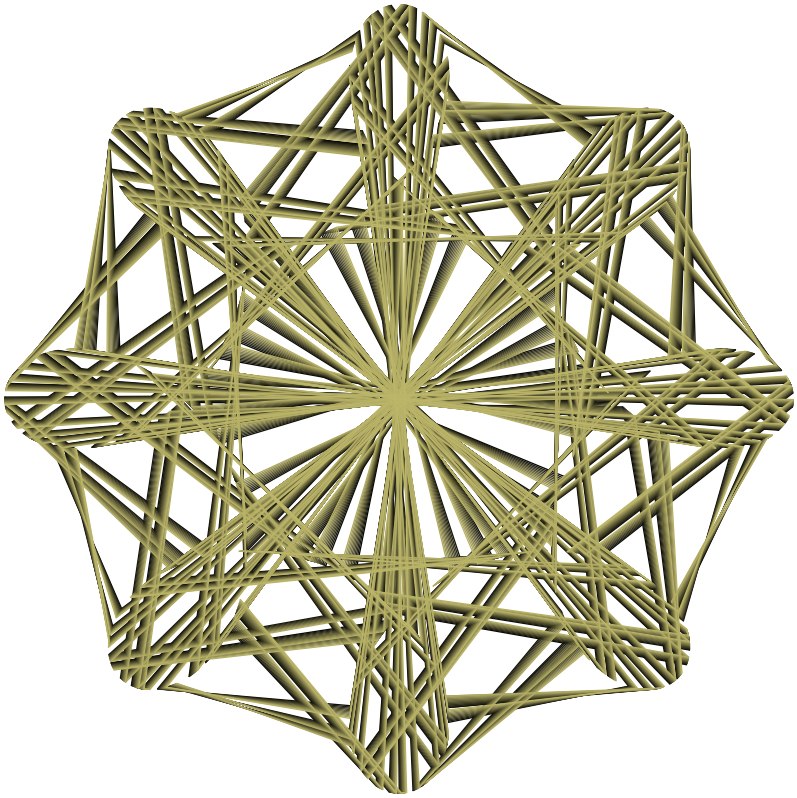
Crown of thorns

Signa in silico 2003



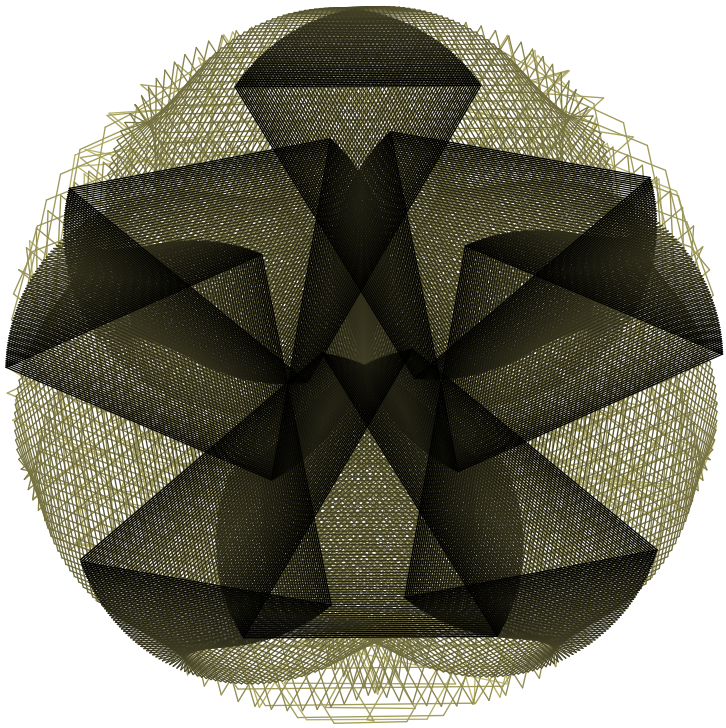
Gaudi architectural element

Signa in silico 2003



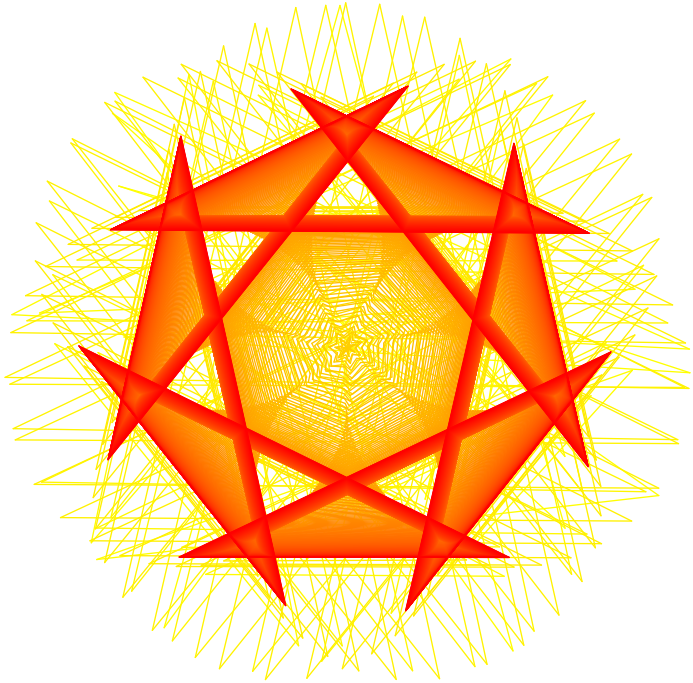
Gaudi architectural element

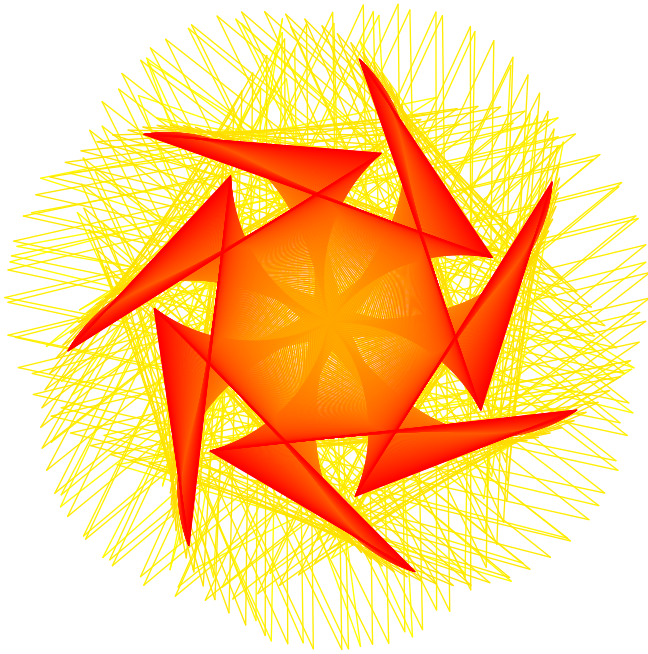
Signa in silico 2003



Golem

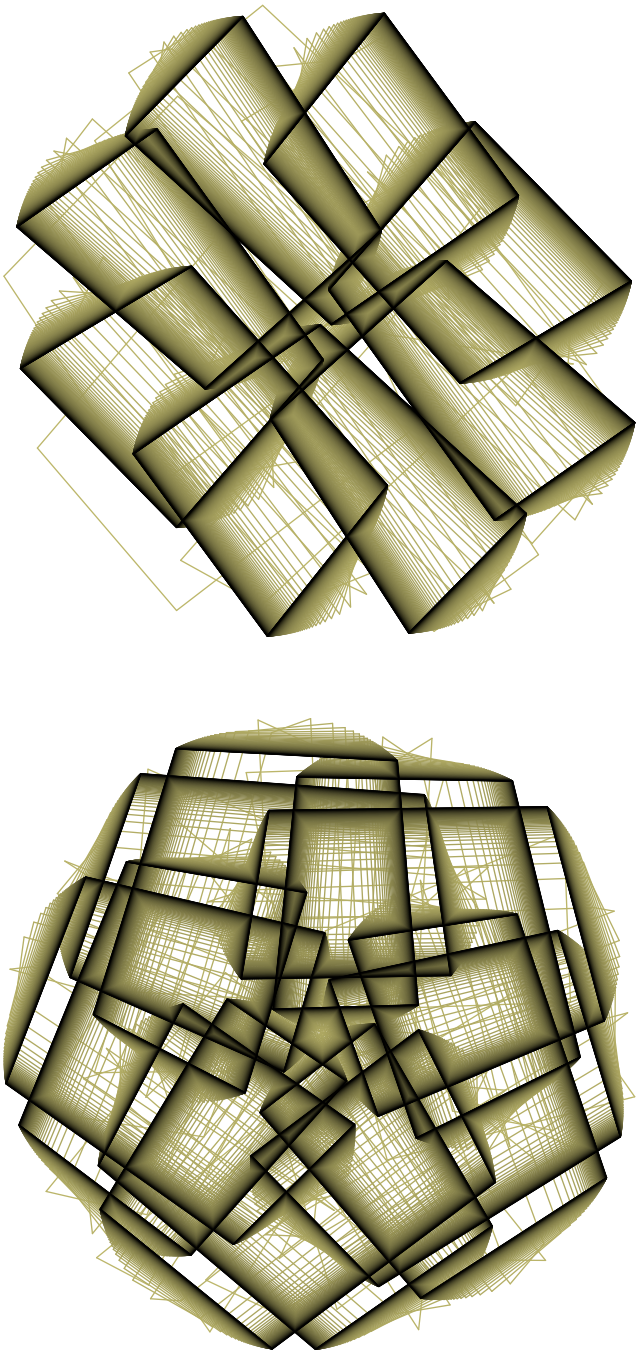
Signa in silico 2003





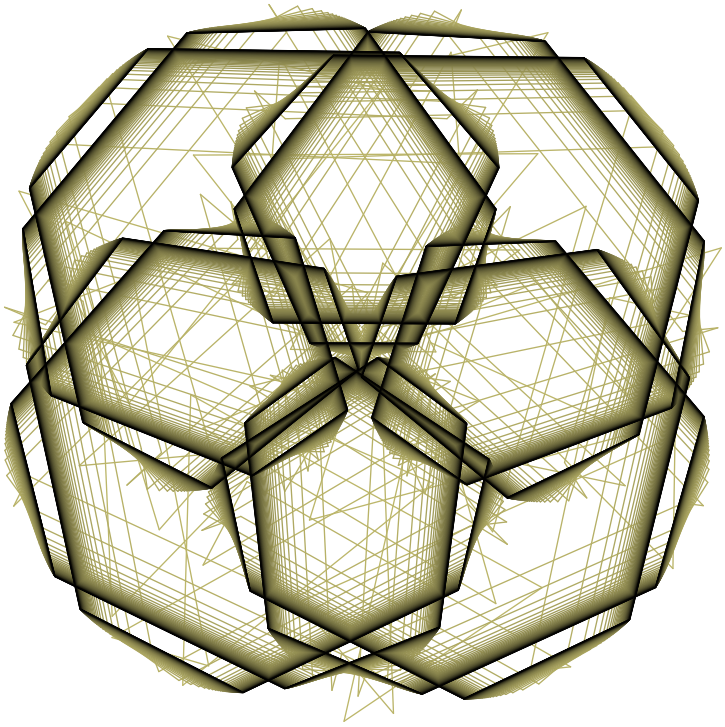
Judas

Signa in silico 2003



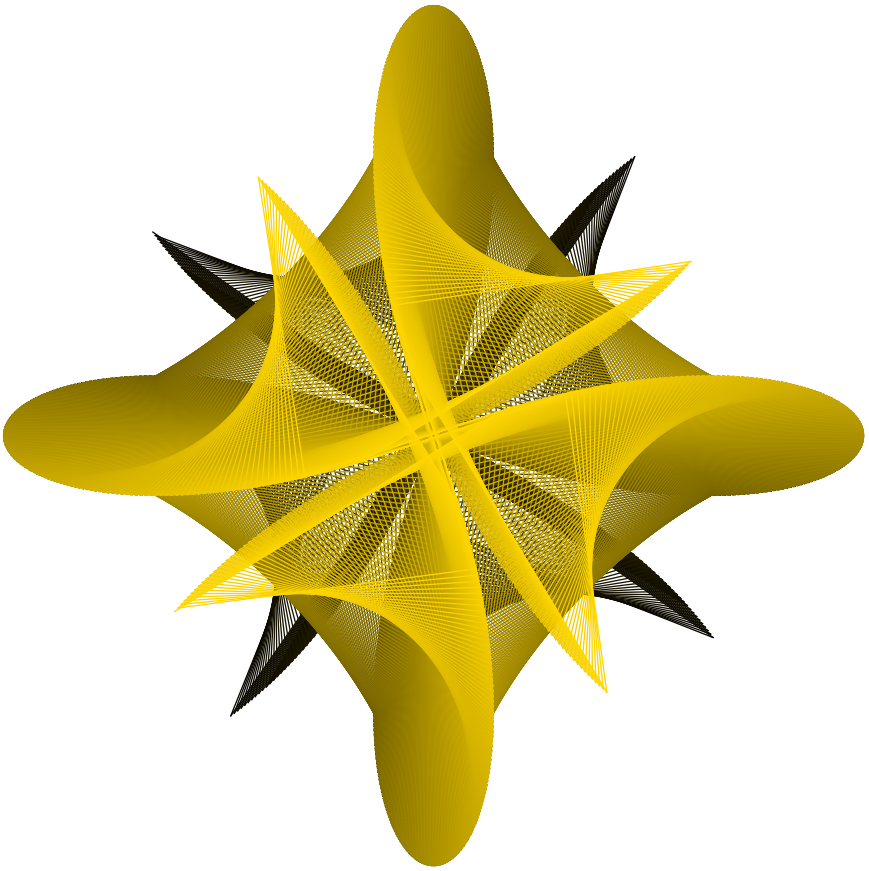
Coding

Signa in silico 2003



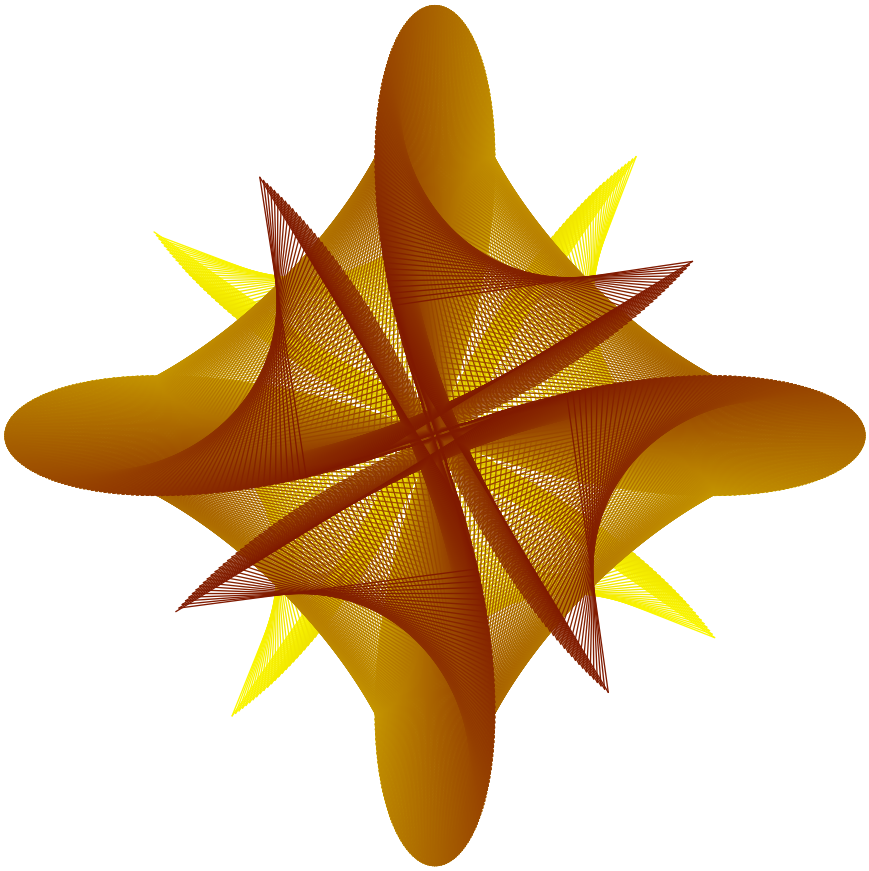
Arithmancy

Signa in silico 2003



Memento mori

Signa in silico 2003



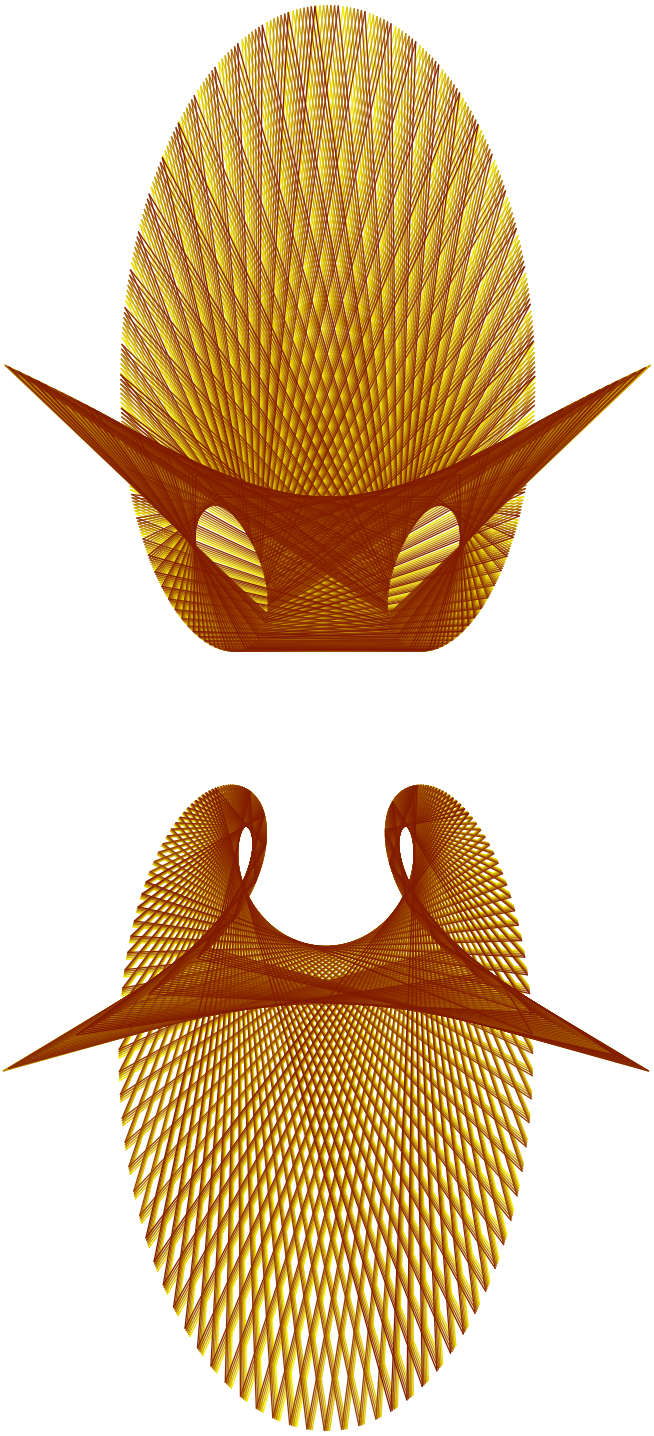
Memento mori

Signa in silico 2003



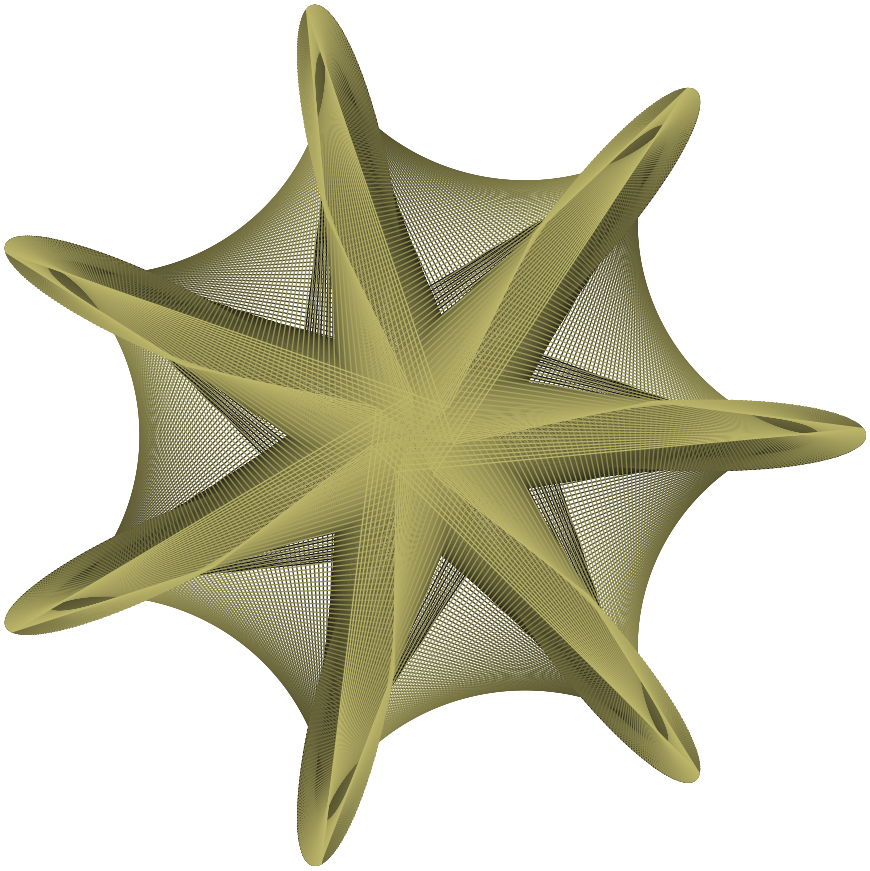
Memento mori

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Government and opposition

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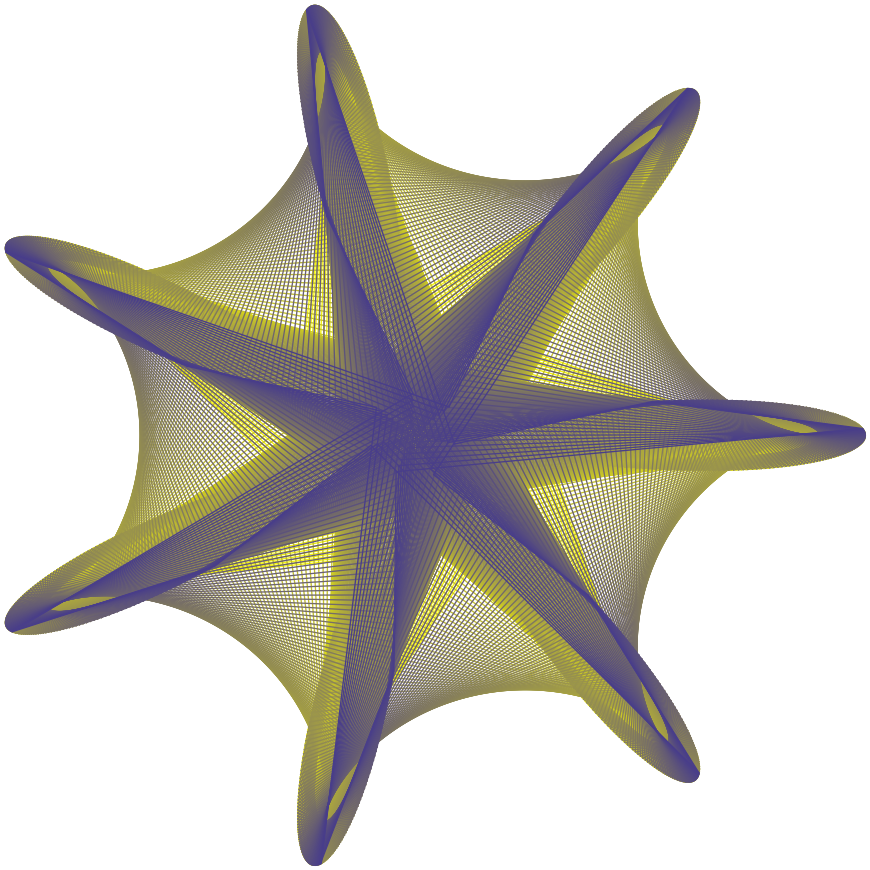
Turnaround

Signa in silico 2003



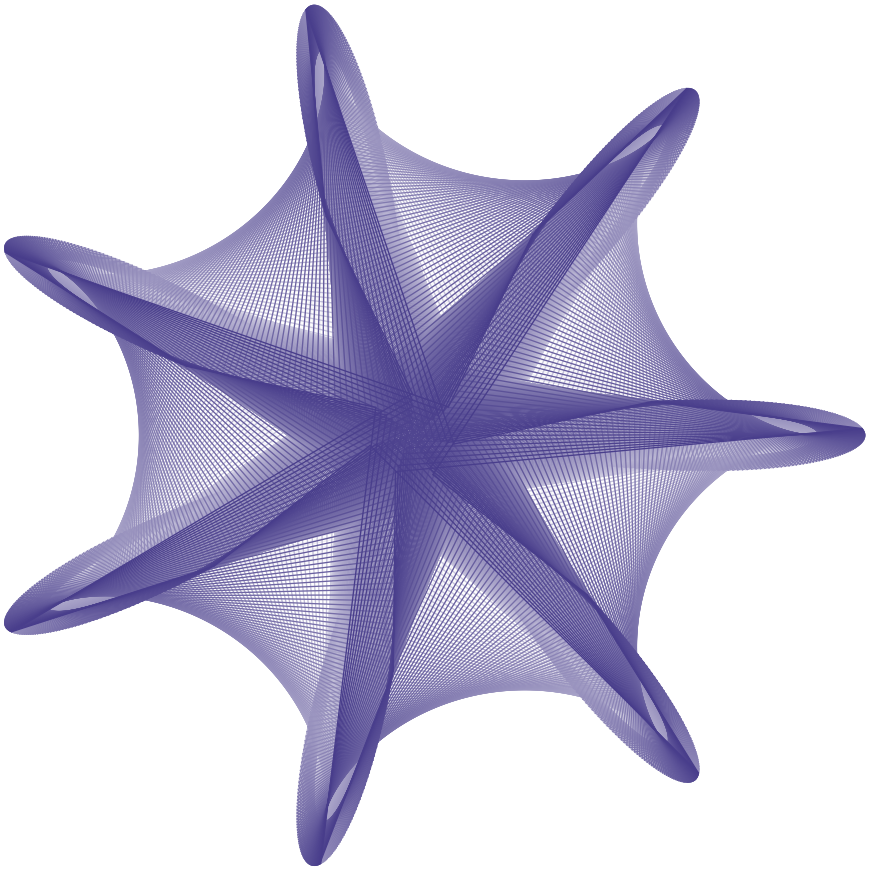
Turnaround

Signa in silico 2003



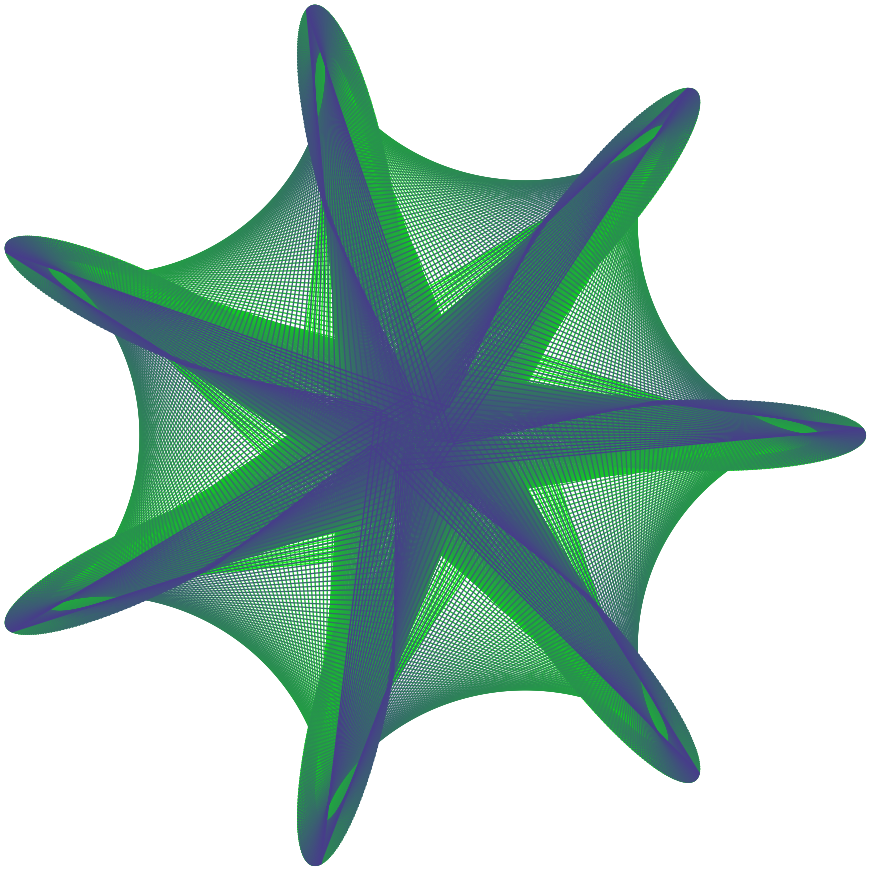
Turnaround

Signa in silico 2003



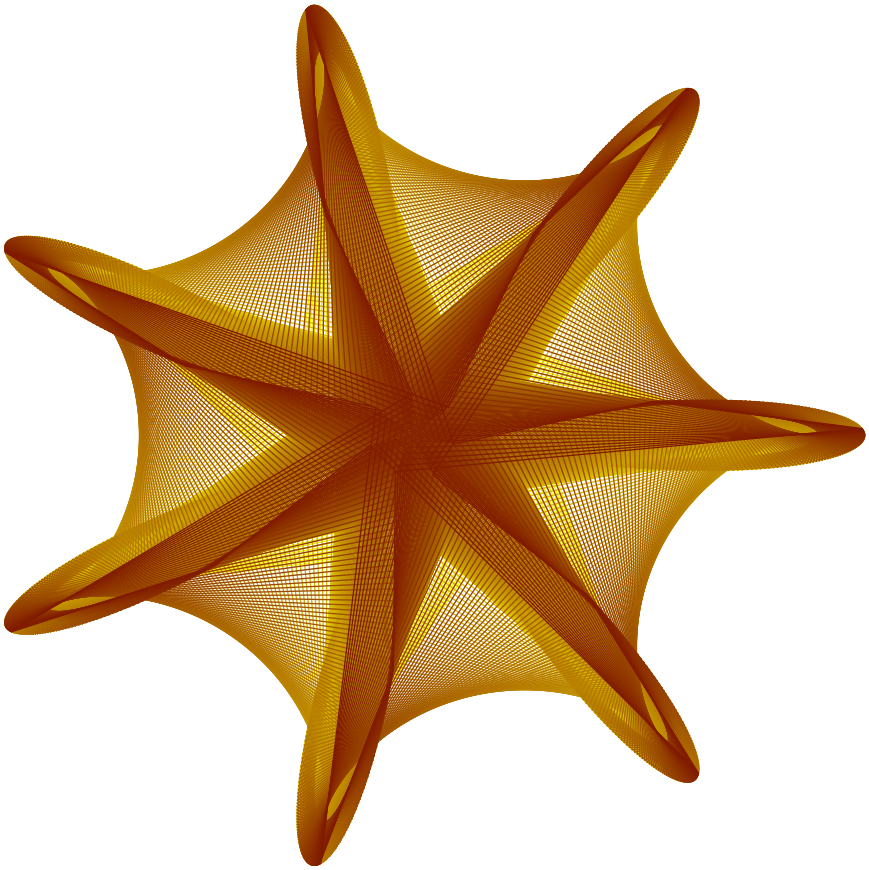
Turnaround

Signa in silico 2003



Turnaround

Signa in silico 2003



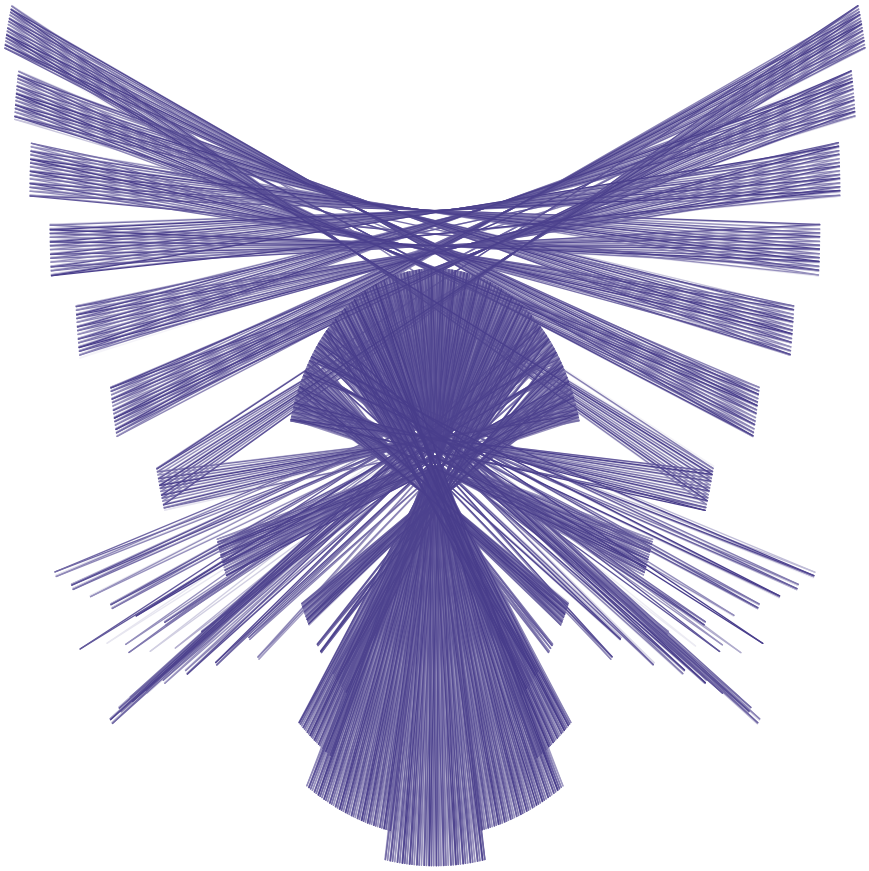
Turnaround

Signa in silico 2003



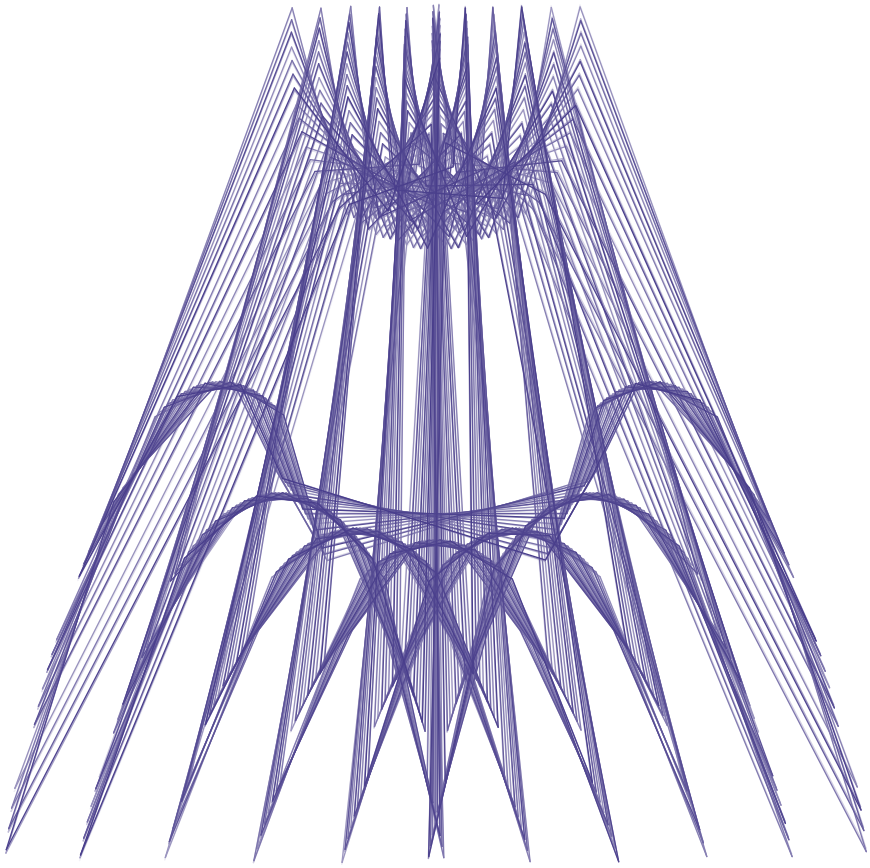
Turnaround

Signa in silico 2003



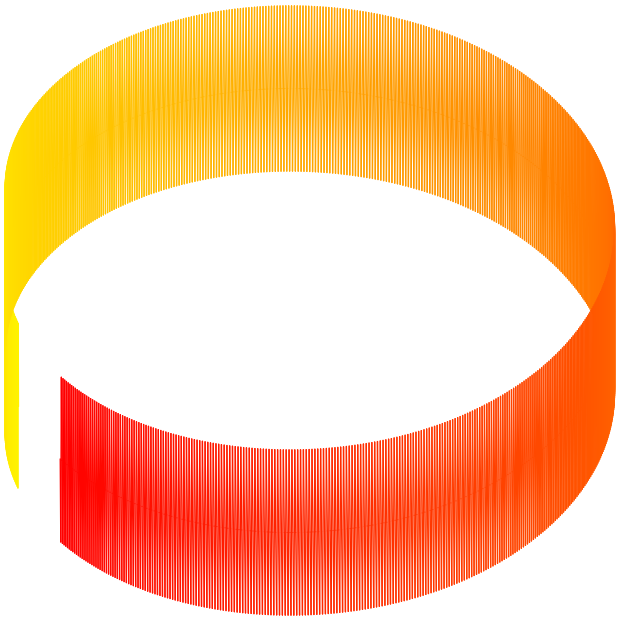
Bercingal

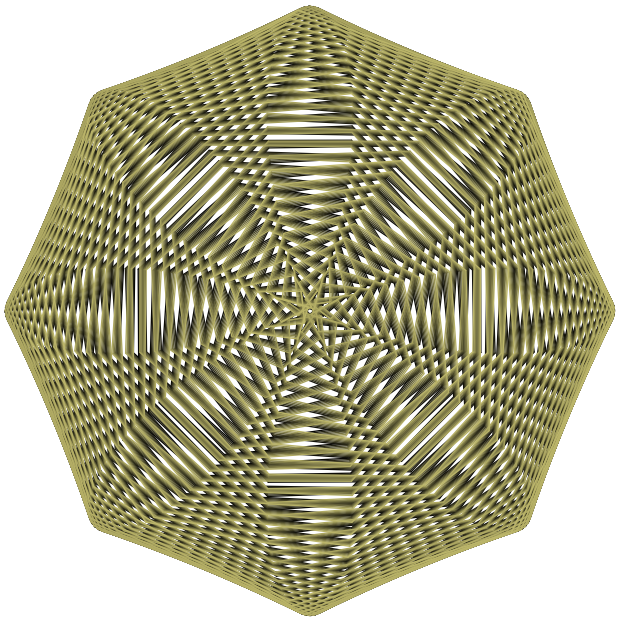
Signa in silico 2003



Waterworks

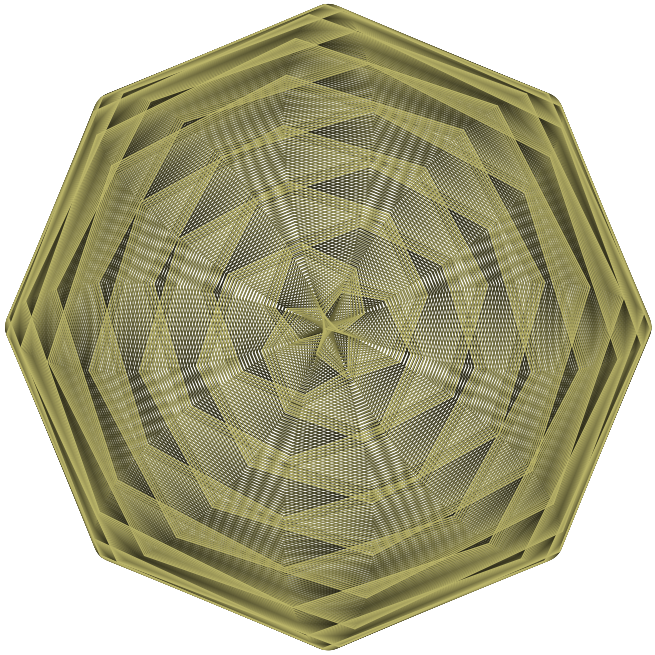
Signa in silico 2003

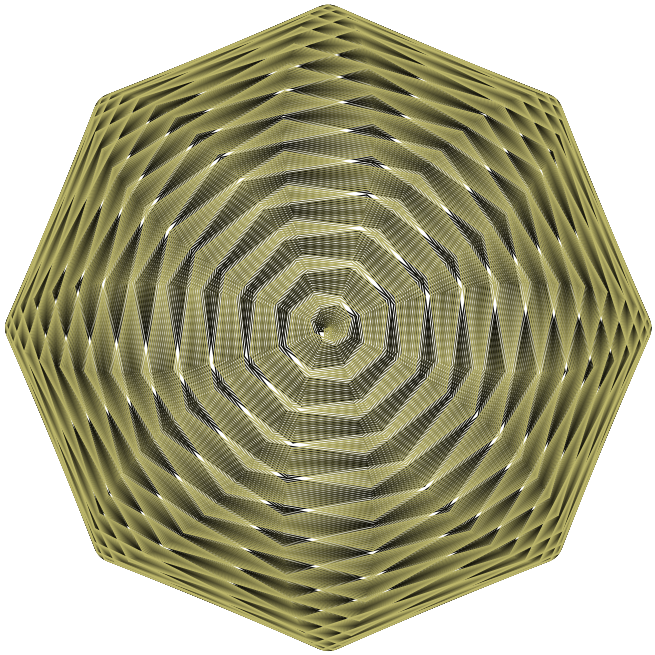




Tonal and Nagual

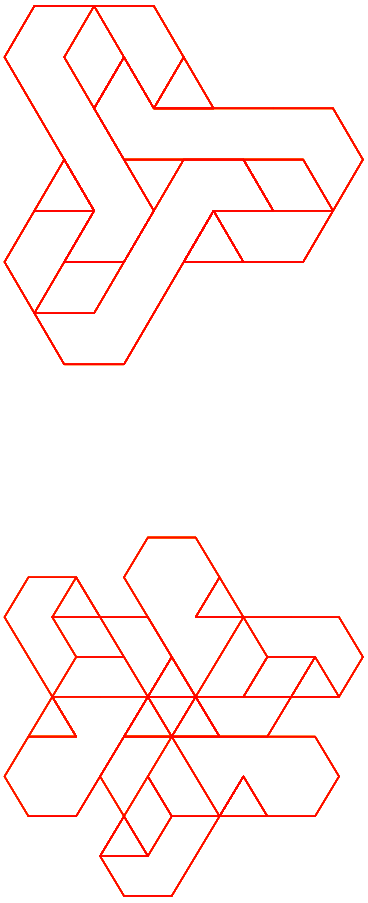
Signa in silico 2003





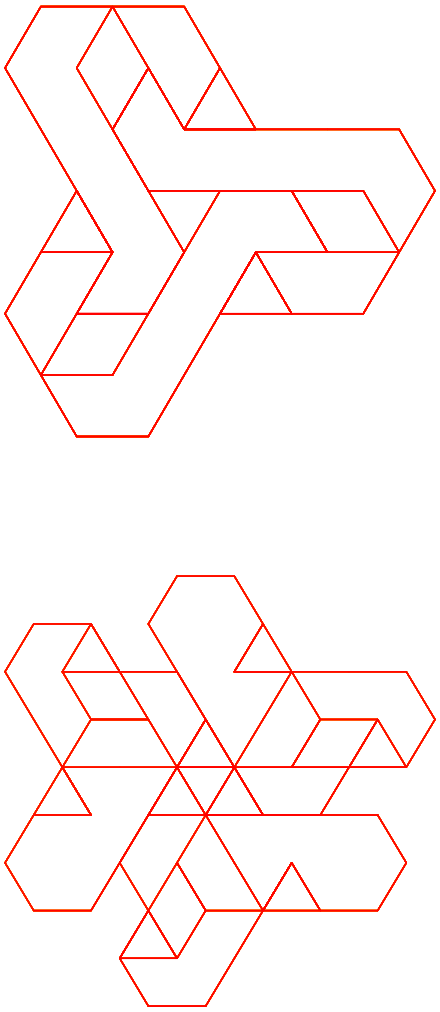
Octavia

Signa in silico 2003



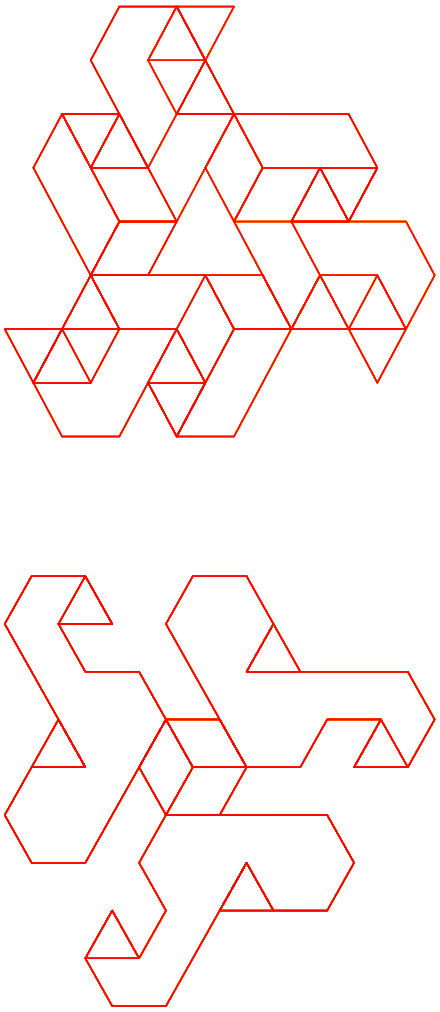
Impossible object I

Signa in silico 2003



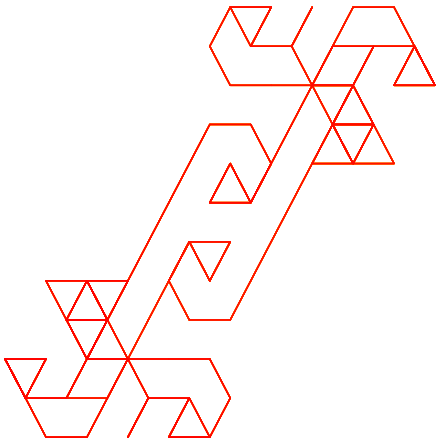
Impossible object I

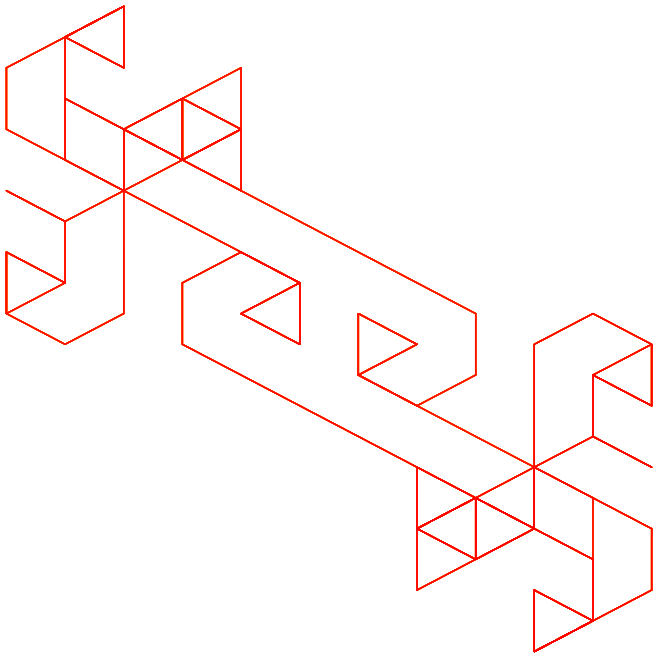
Signa in silico 2003



Impossible object II

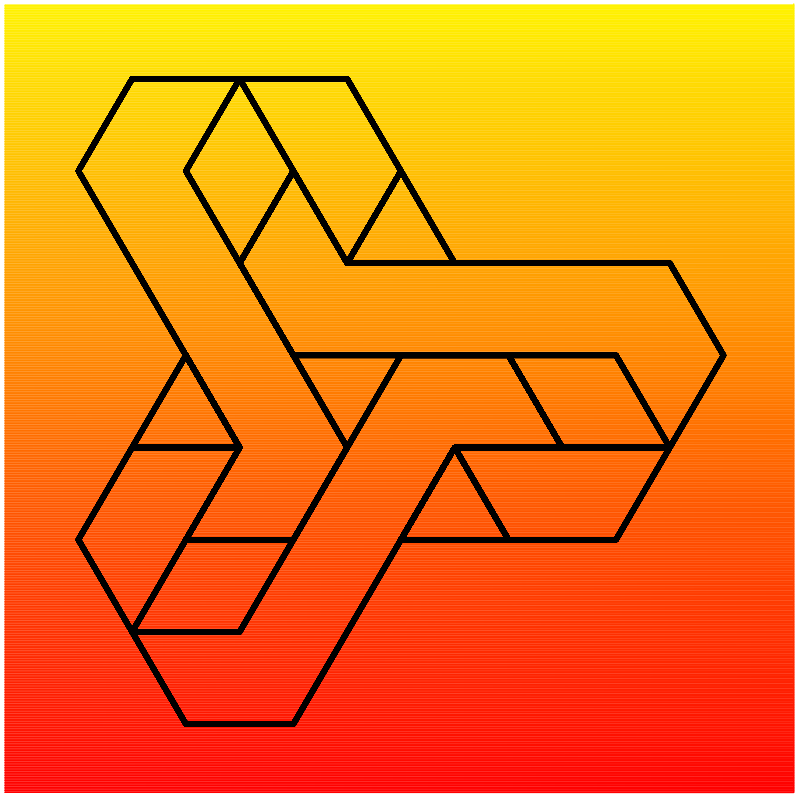
Signa in silico 2003





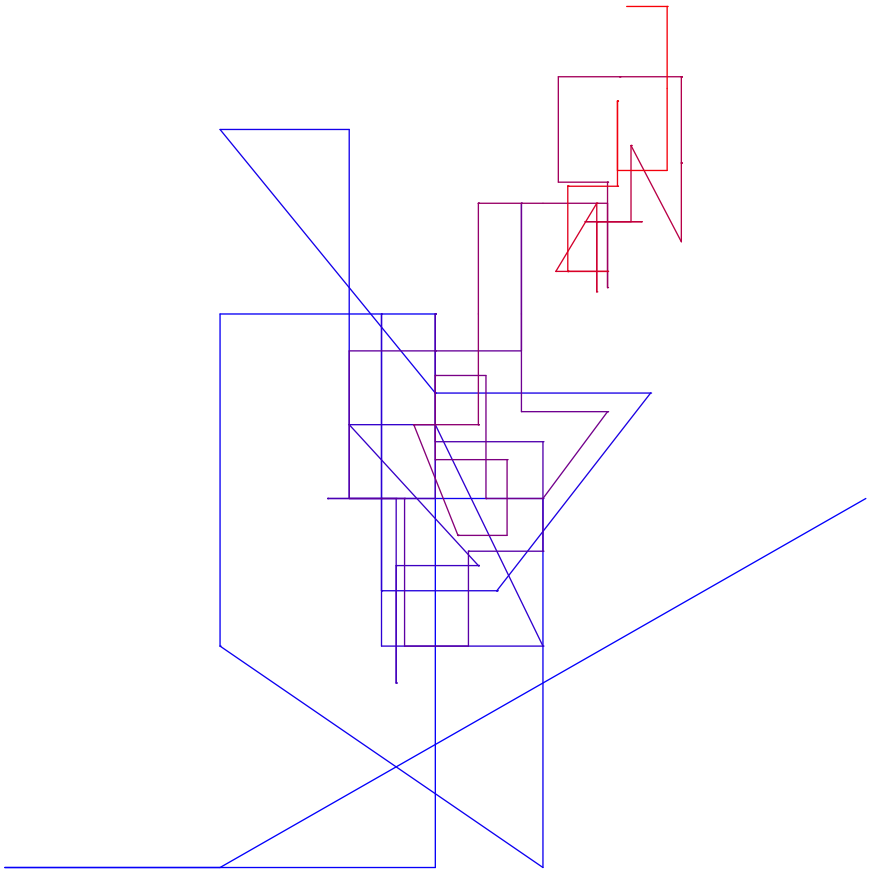
Impossible object III

Signa in silico 2003



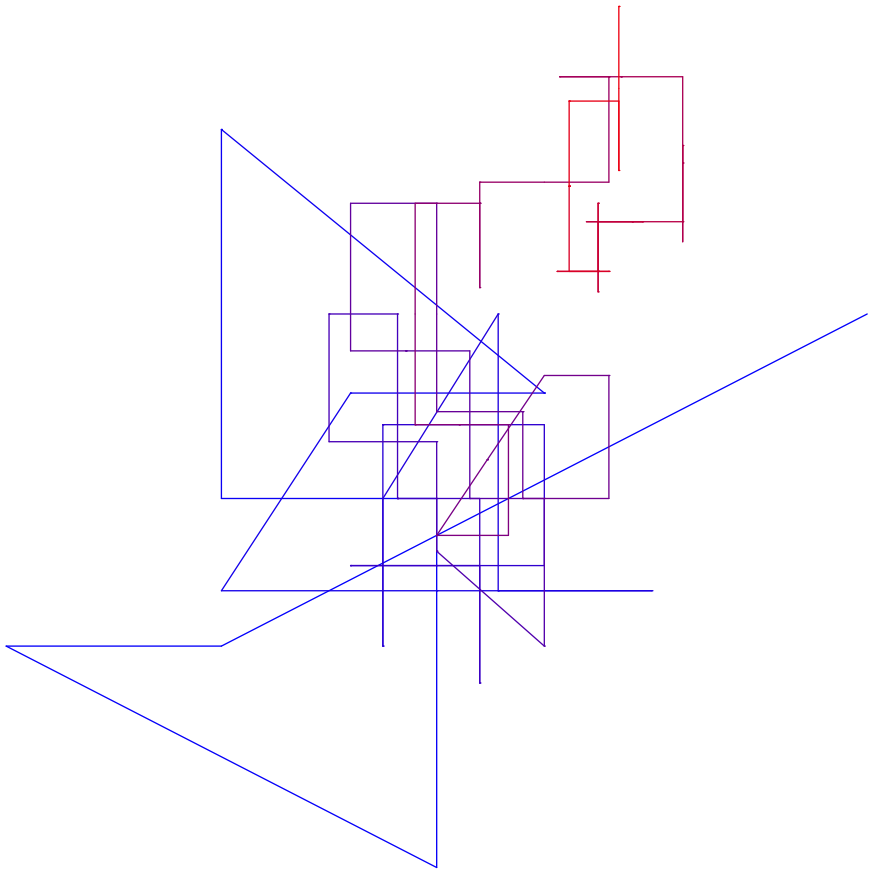
Impossible object

Signa in silico 2003



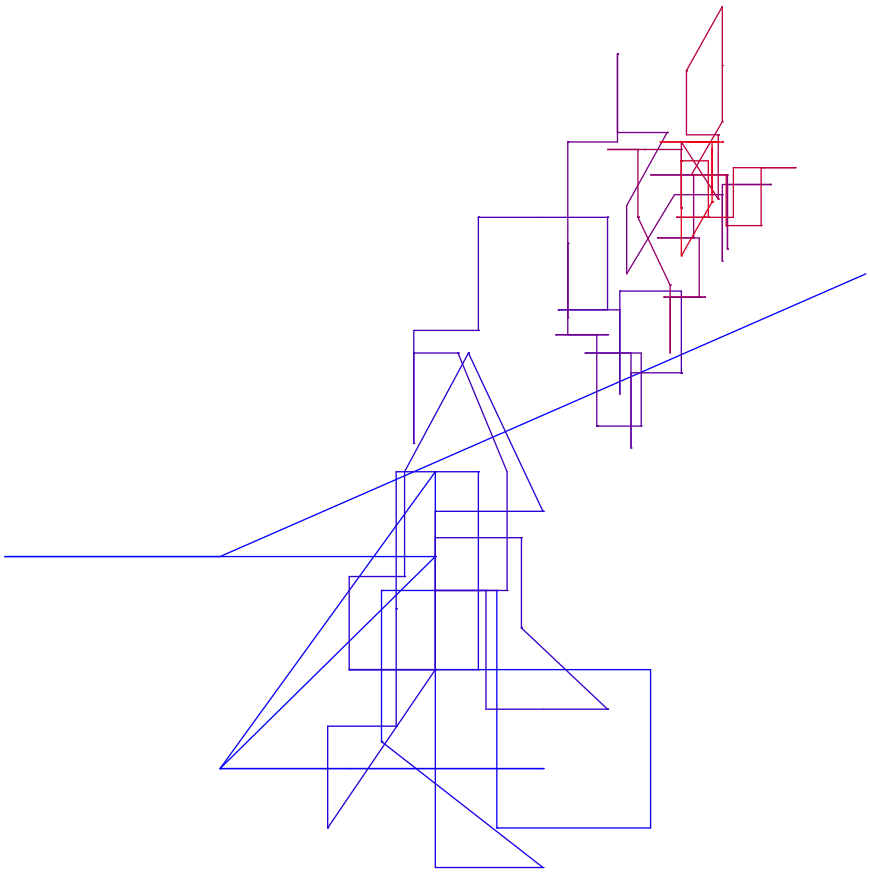
Robot I

Signa in silico 2003



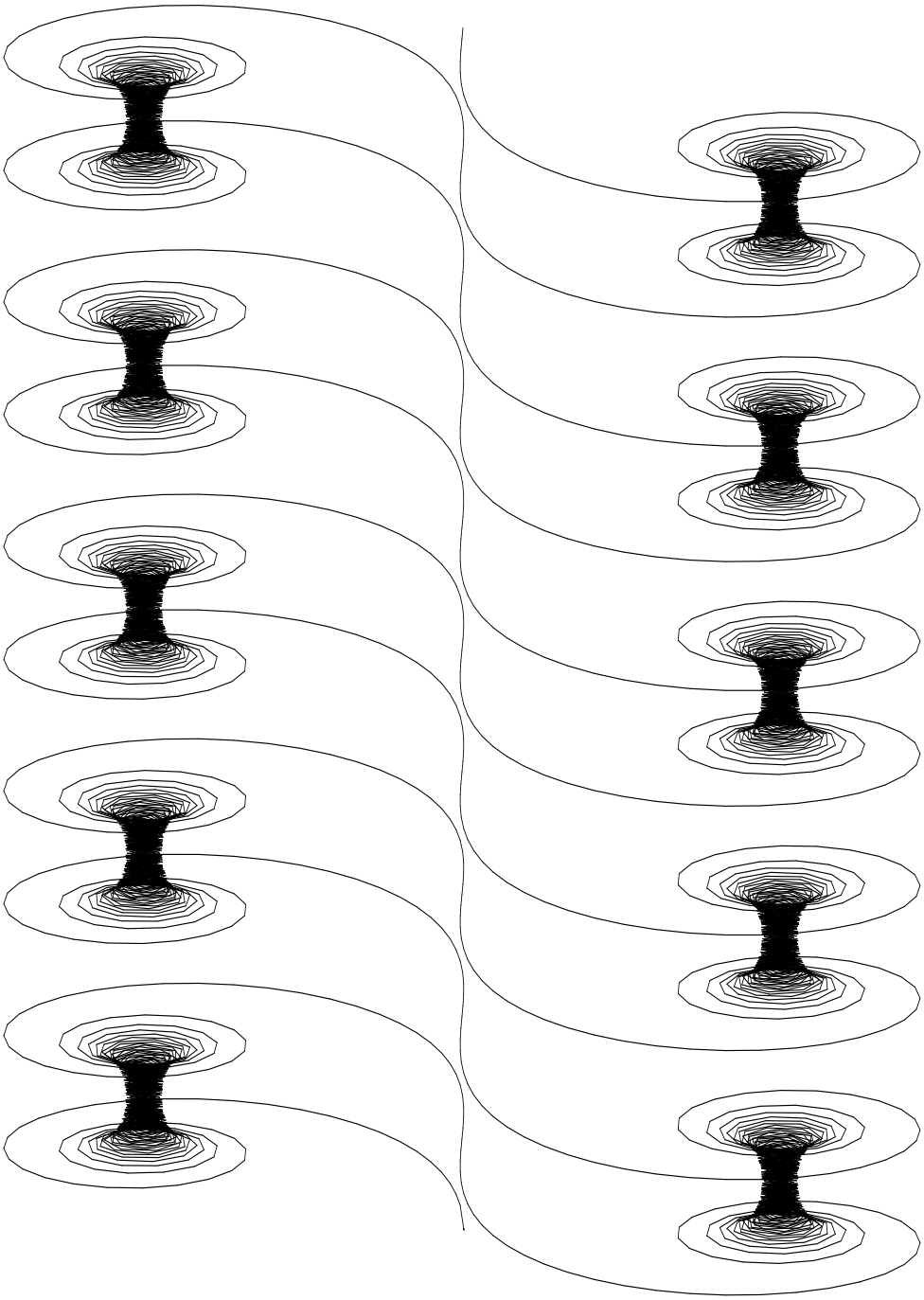
Robot II

Signa in silico 2003



Robot III

Signa in silico 2003



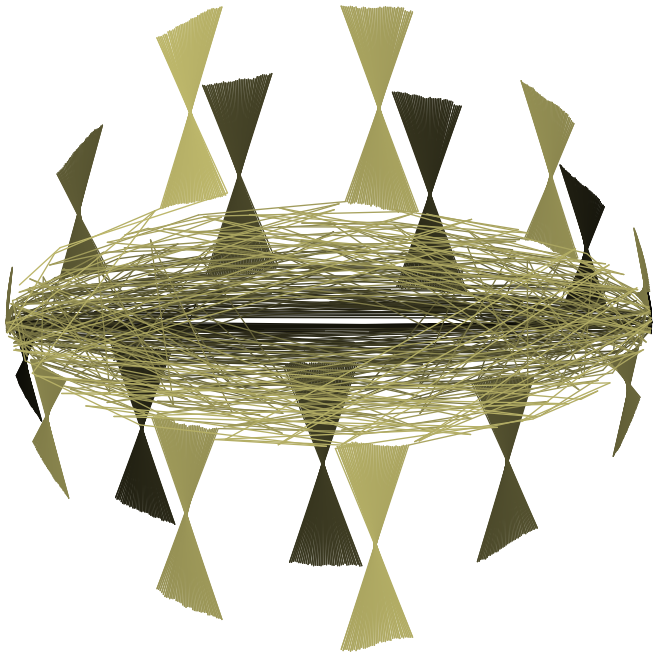
Coupled rotational fields

Signa in silico 2003



Alien pilgrim

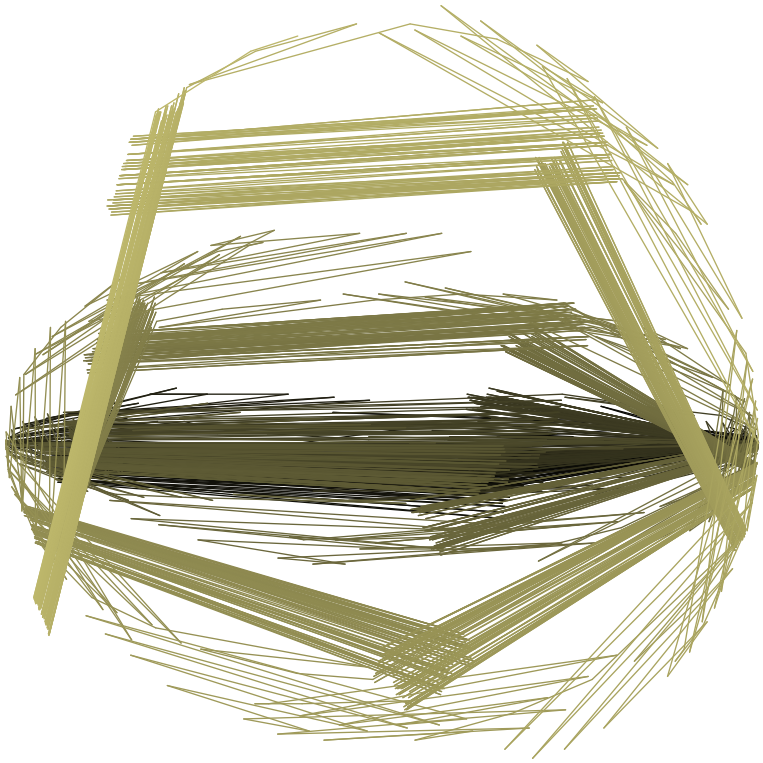
Signa in silico 2003





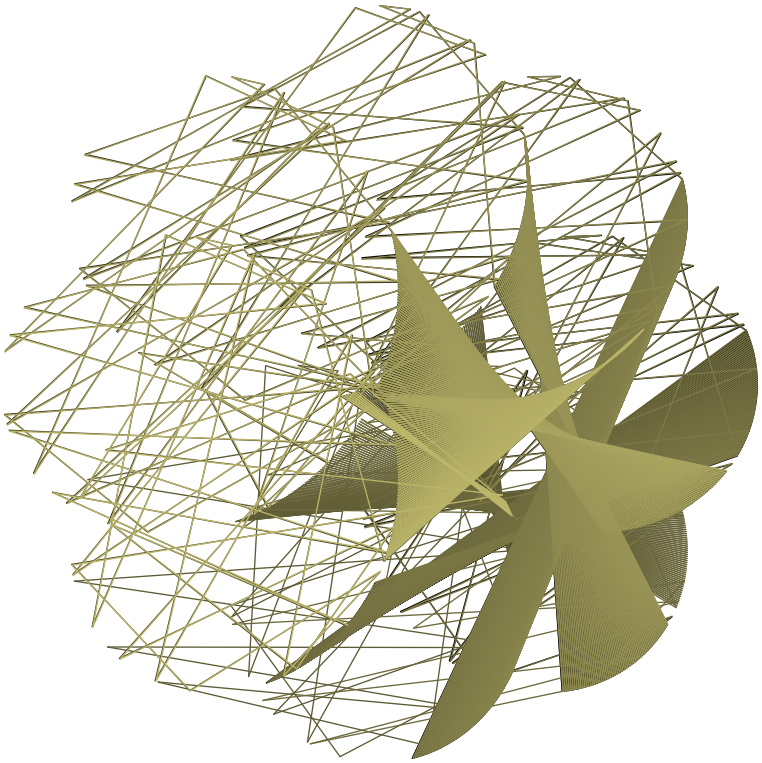
Greeting from Algo–Africa to Pater Frido Pflüger in Adjumani

Signa in silico 2003



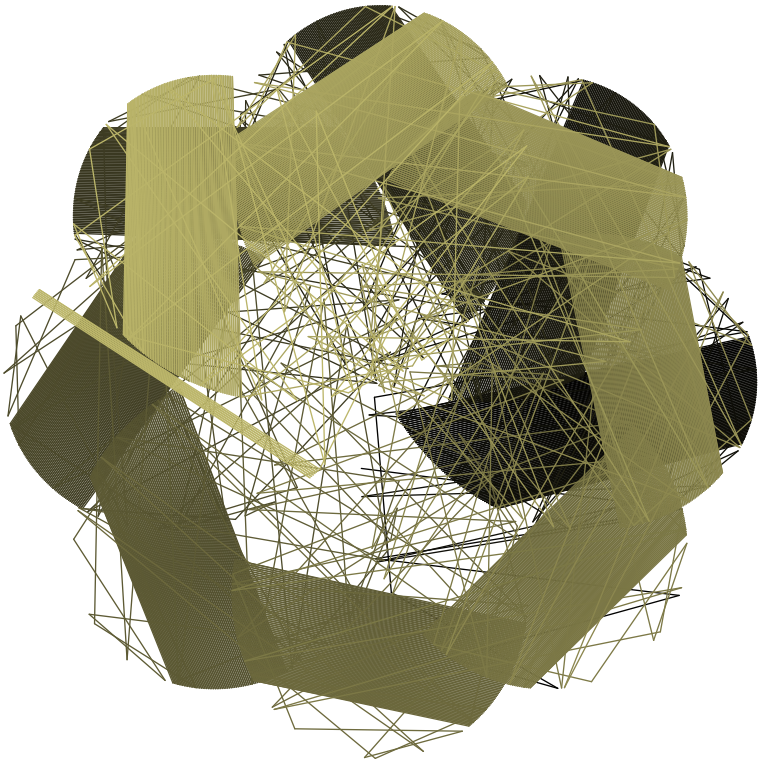
Zen

Signa in silico 2003



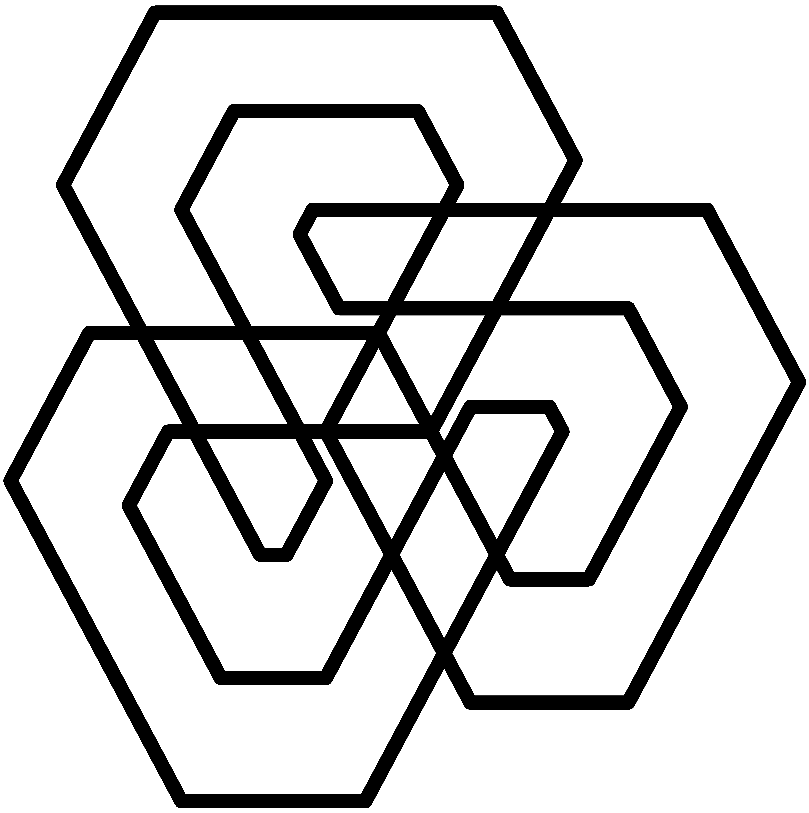
Autumn storm

Signa in silico 2003



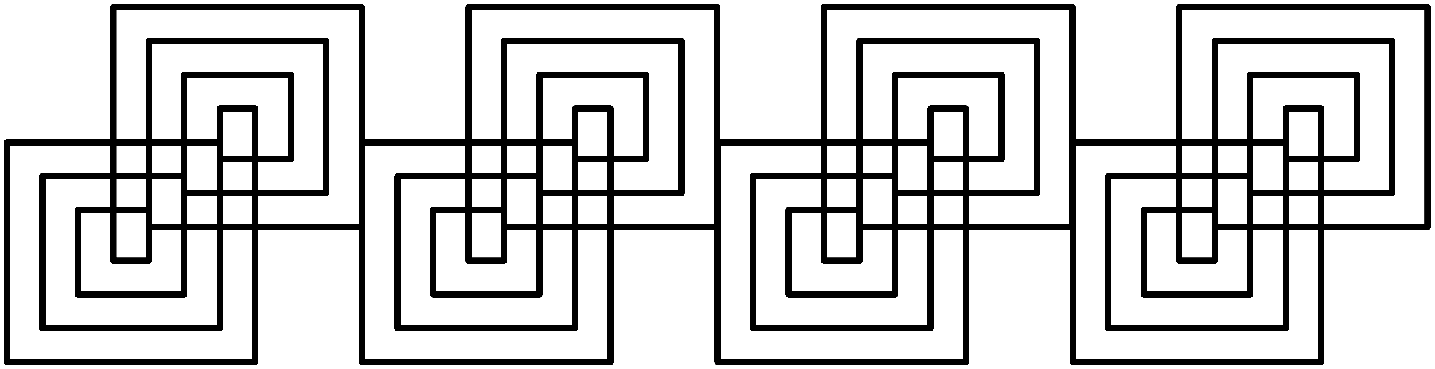
Gregorian chant

Signa in silico 2003



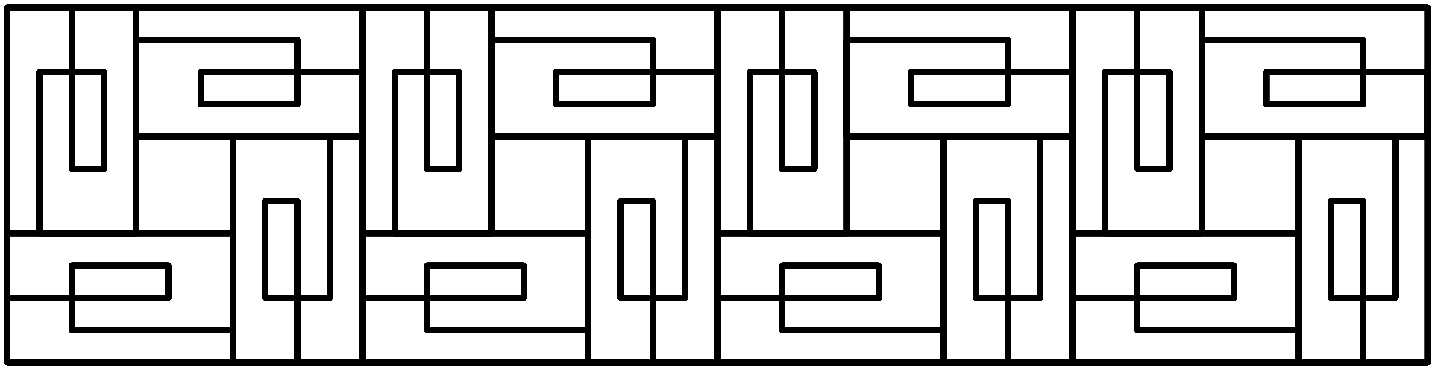
Creatio ex nihilo

Signa in silico 2004



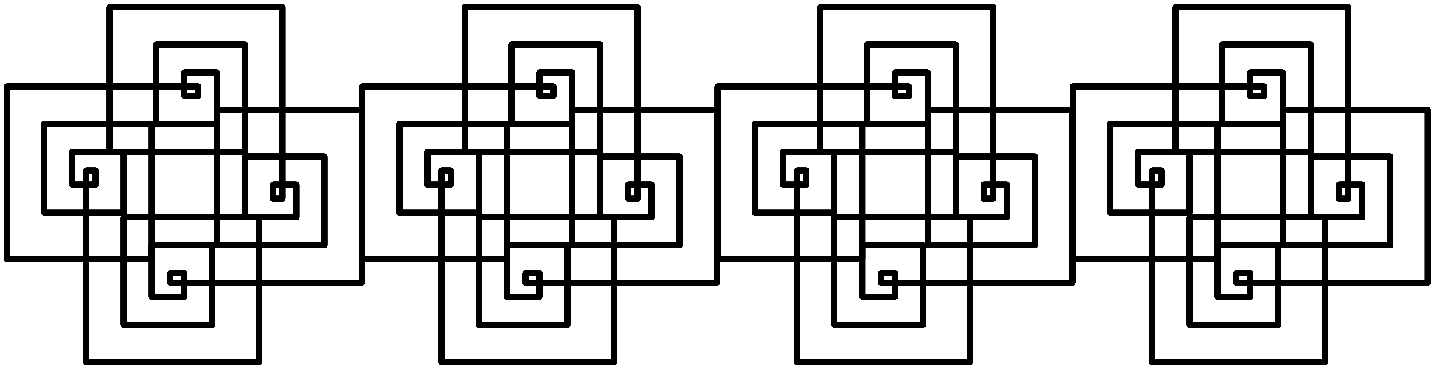
Frieze from Camelot

Signa in silico 2004



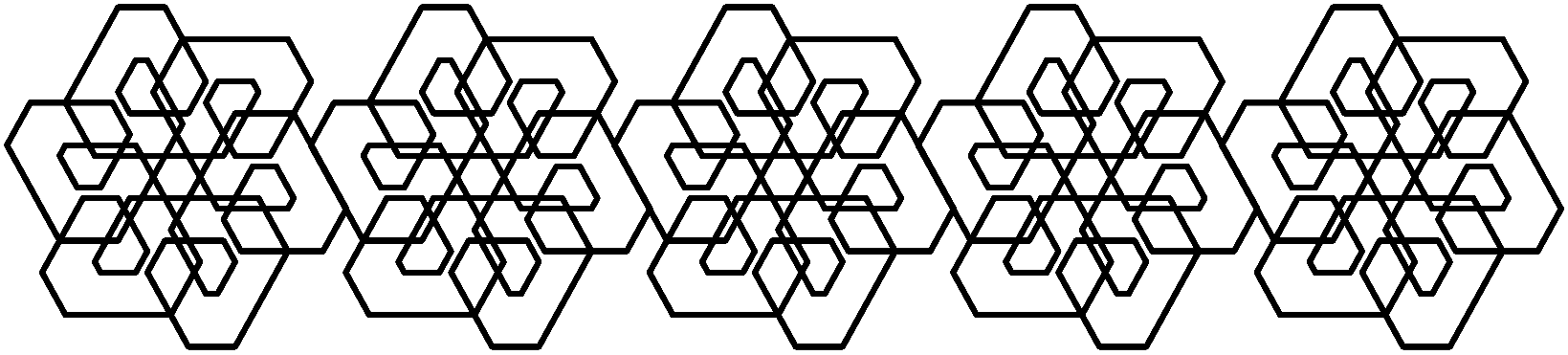
Frieze from Camelot

Signa in silico 2004



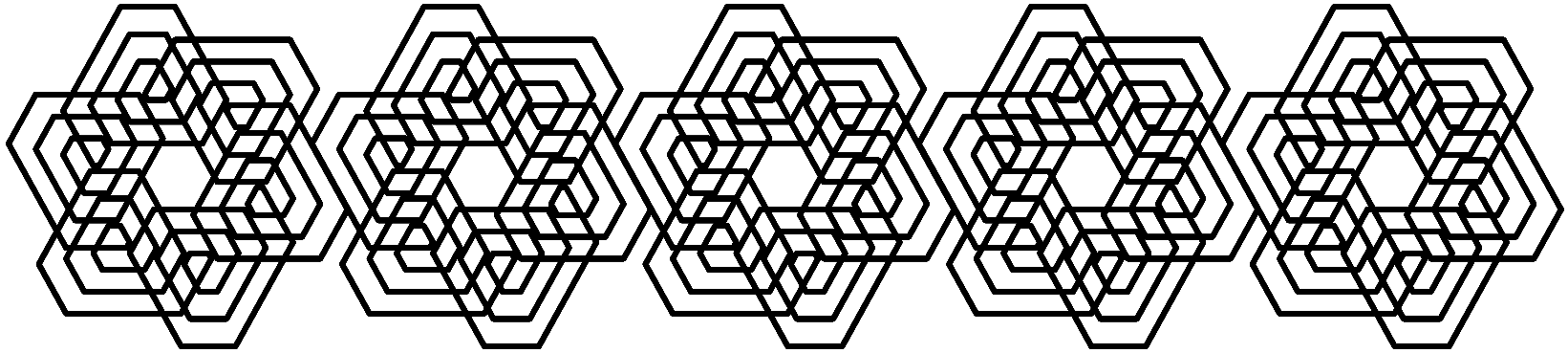
Frieze from Camelot

Signa in silico 2004



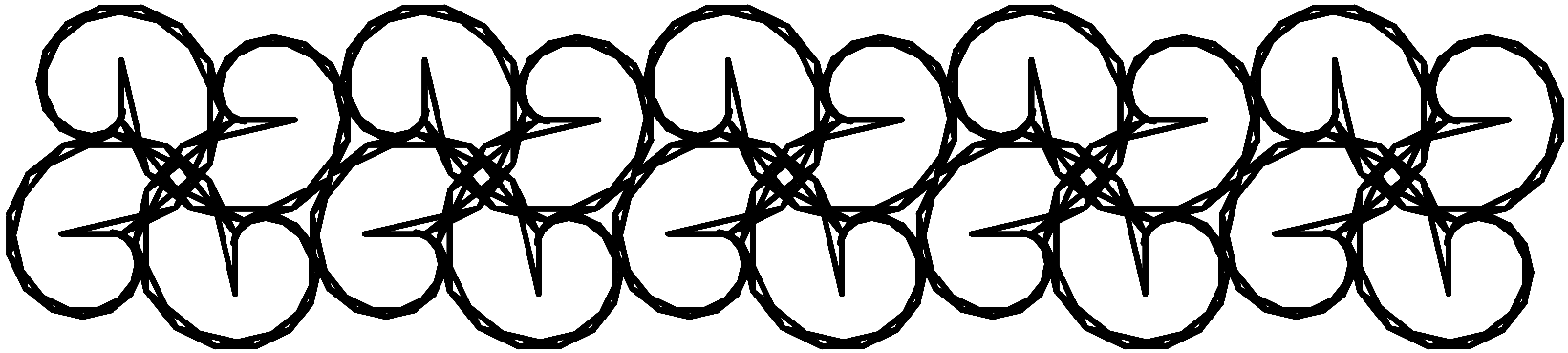
Frieze from Camelot

Signa in silico 2004



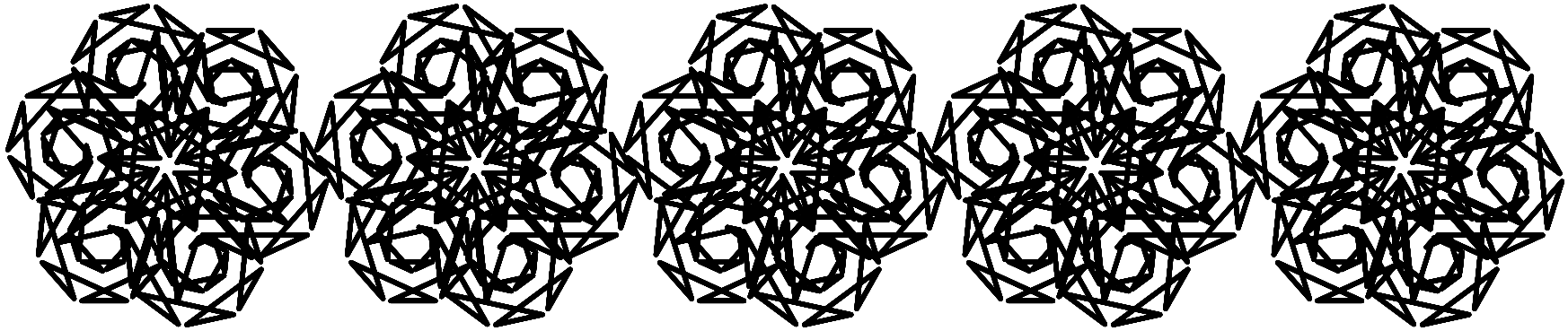
Frieze from Camelot

Signa in silico 2004



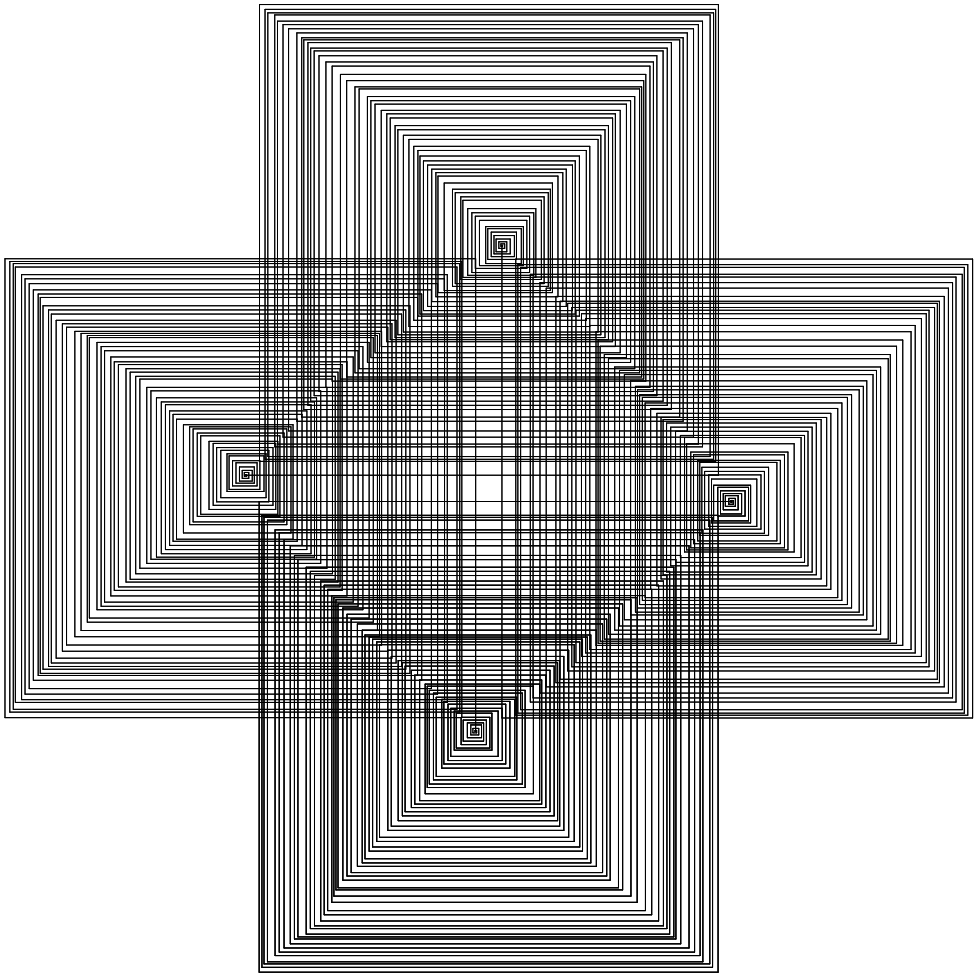
Frieze from Camelot

Signa in silico 2004



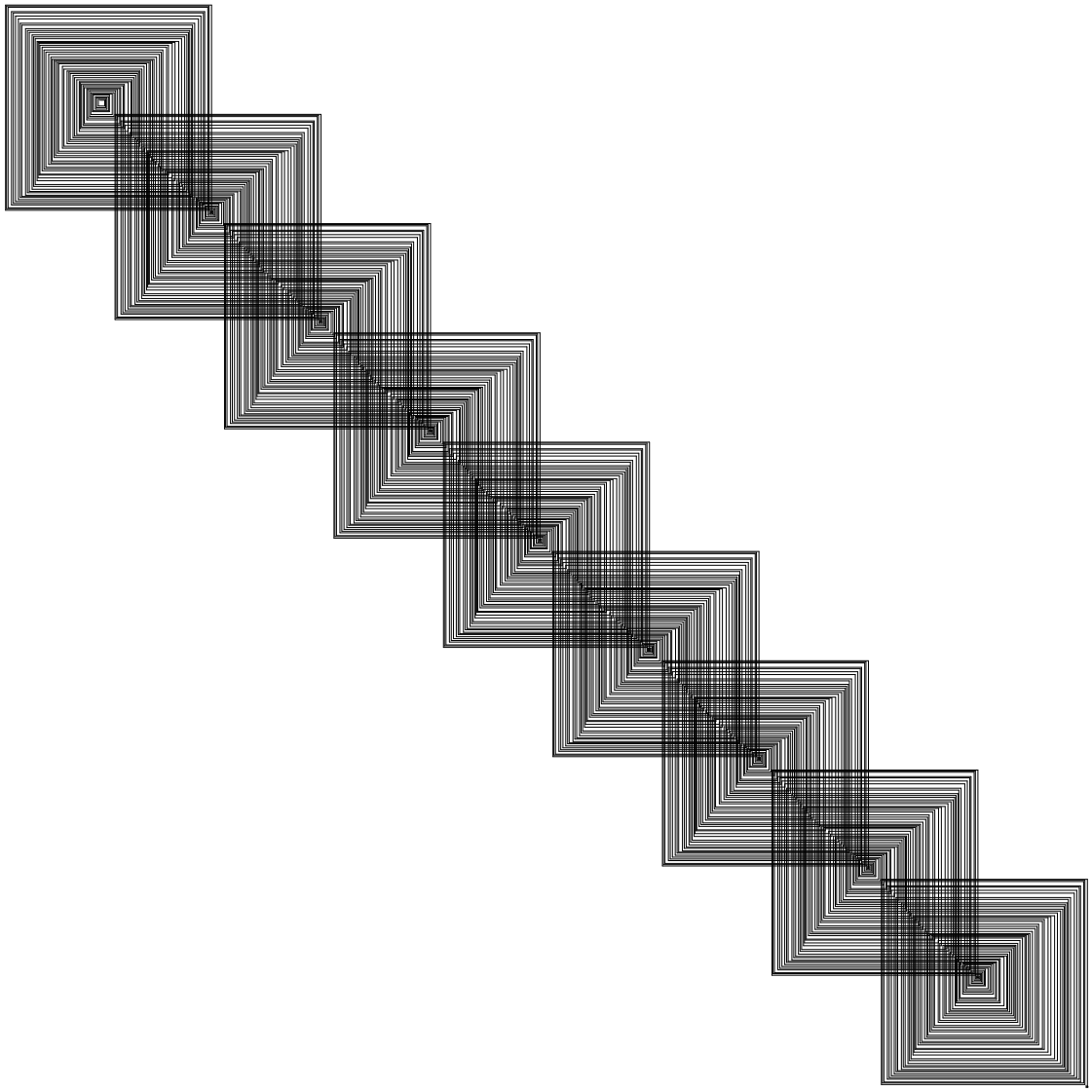
Frieze from Camelot

Signa in silico 2004



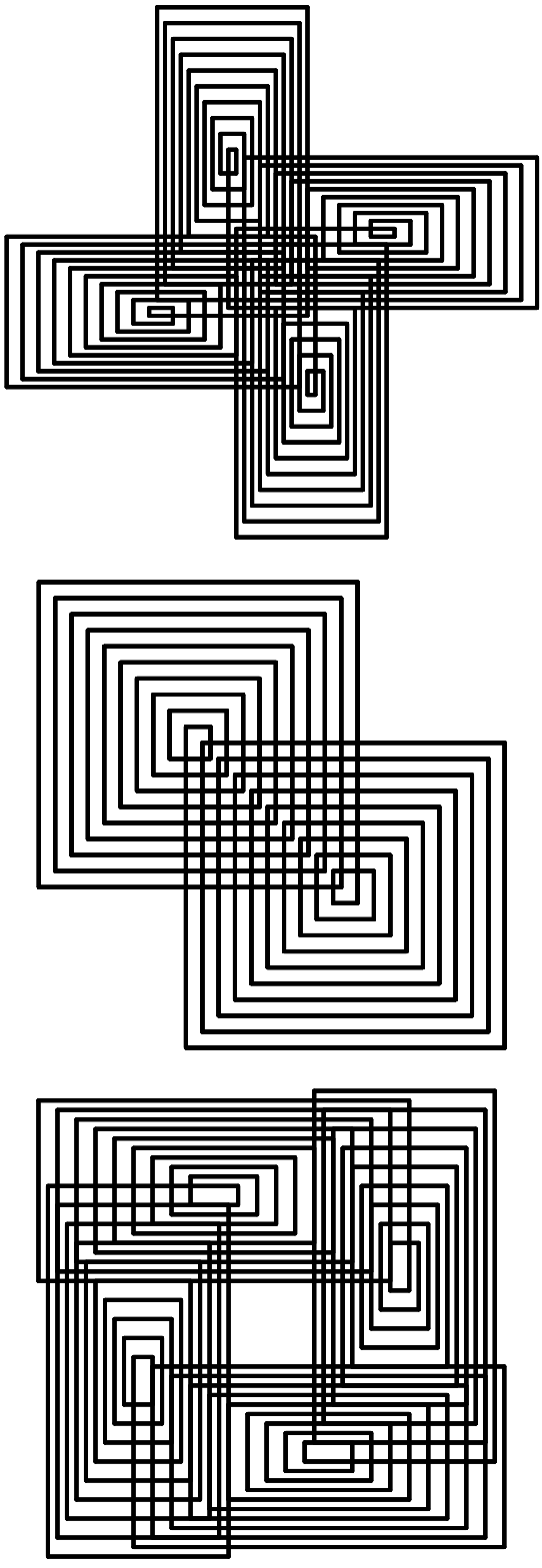
Algorithmic Archaeology
Ornaments from Camelot I

Signa in silico 2004



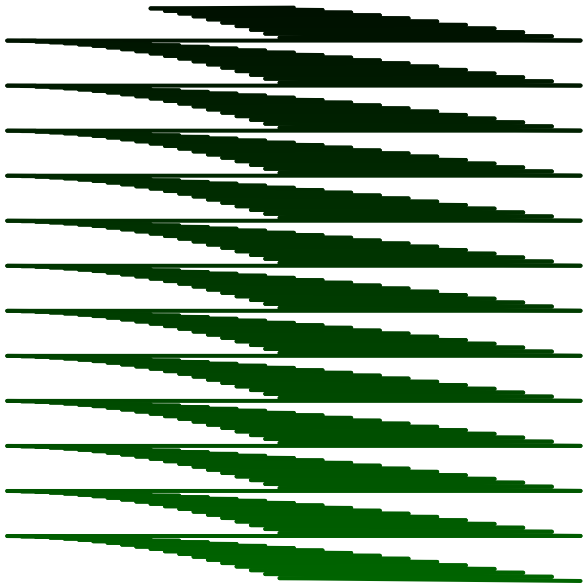
Algorithmic Archaeology
Ornaments from Camelot II

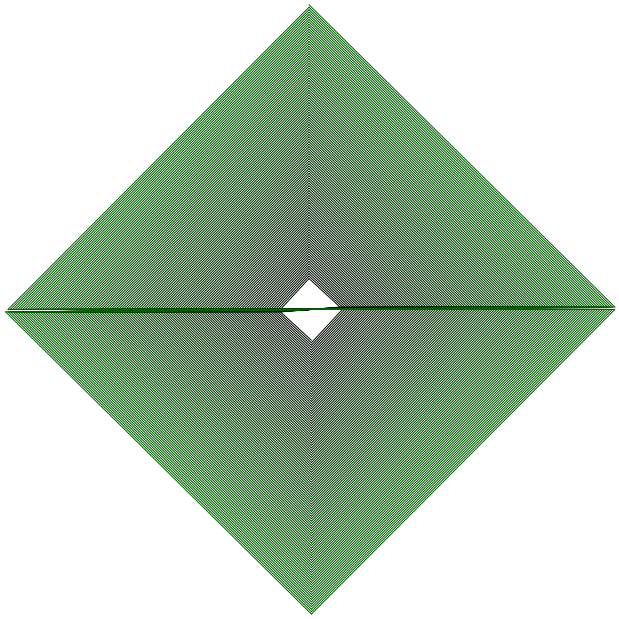
Signa in silico 2004



Frieze from Camelot

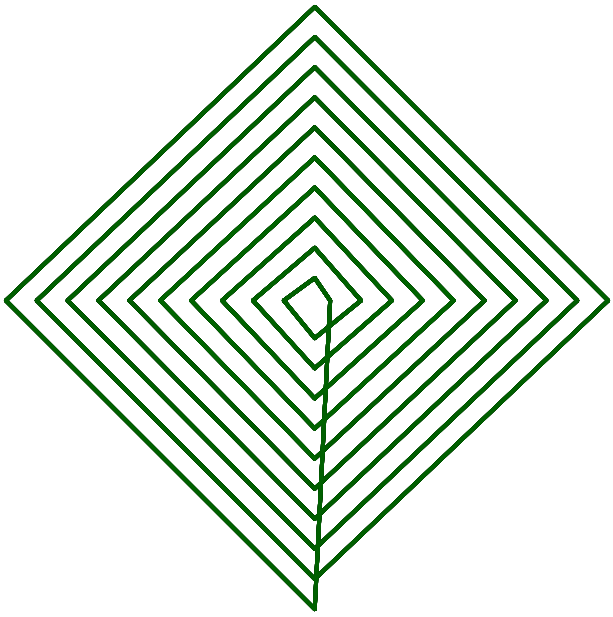
Signa in silico 2004

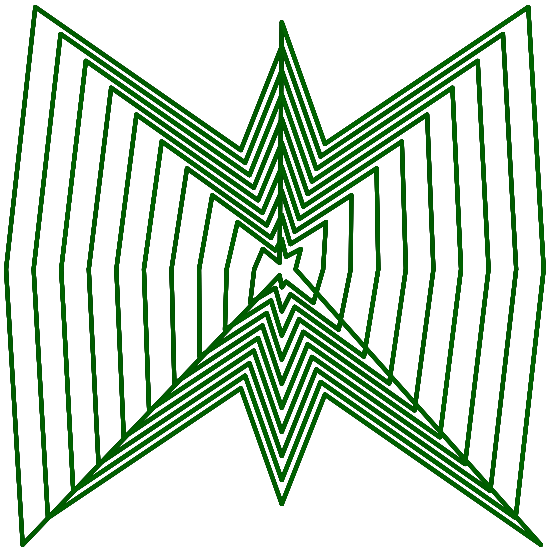




Ideas are greater monuments then cathedrals

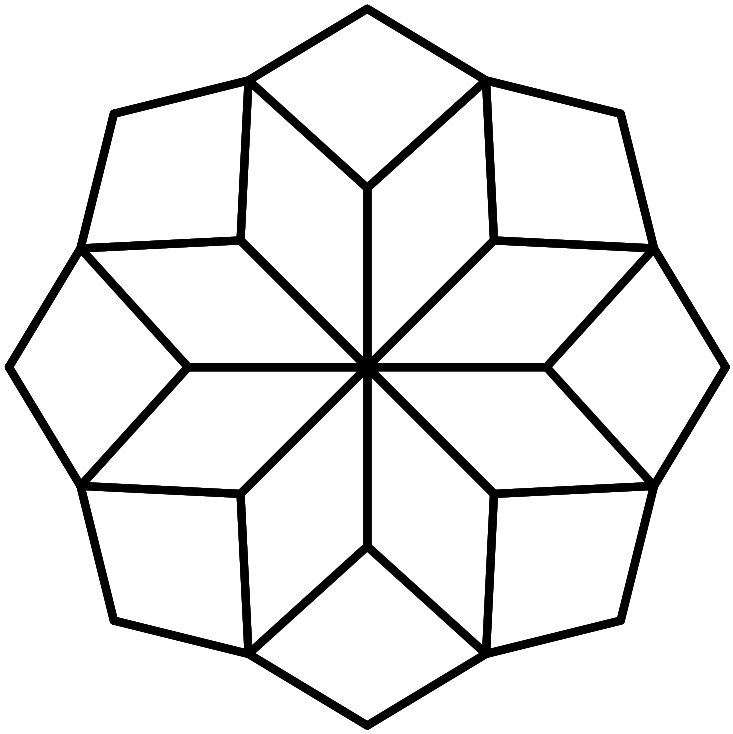
Signa in silico 2004





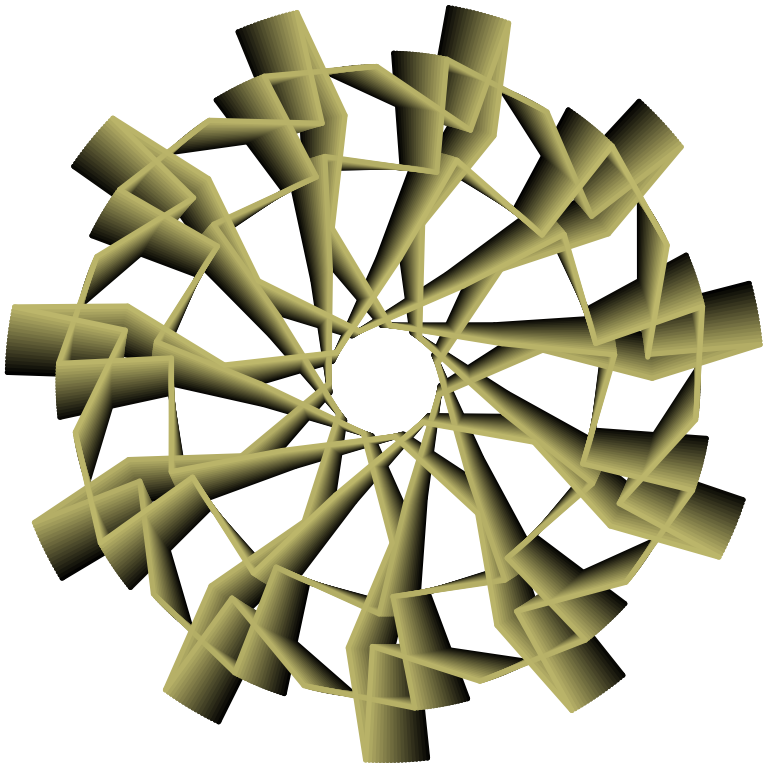
Seti

Signa in silico 2004



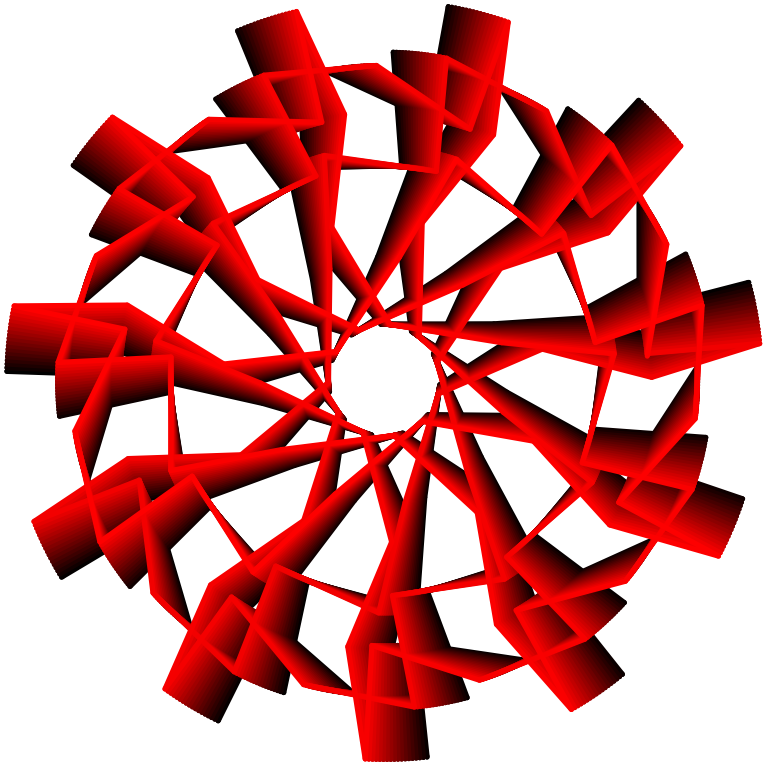
Perception change–over

Signa in silico 2004



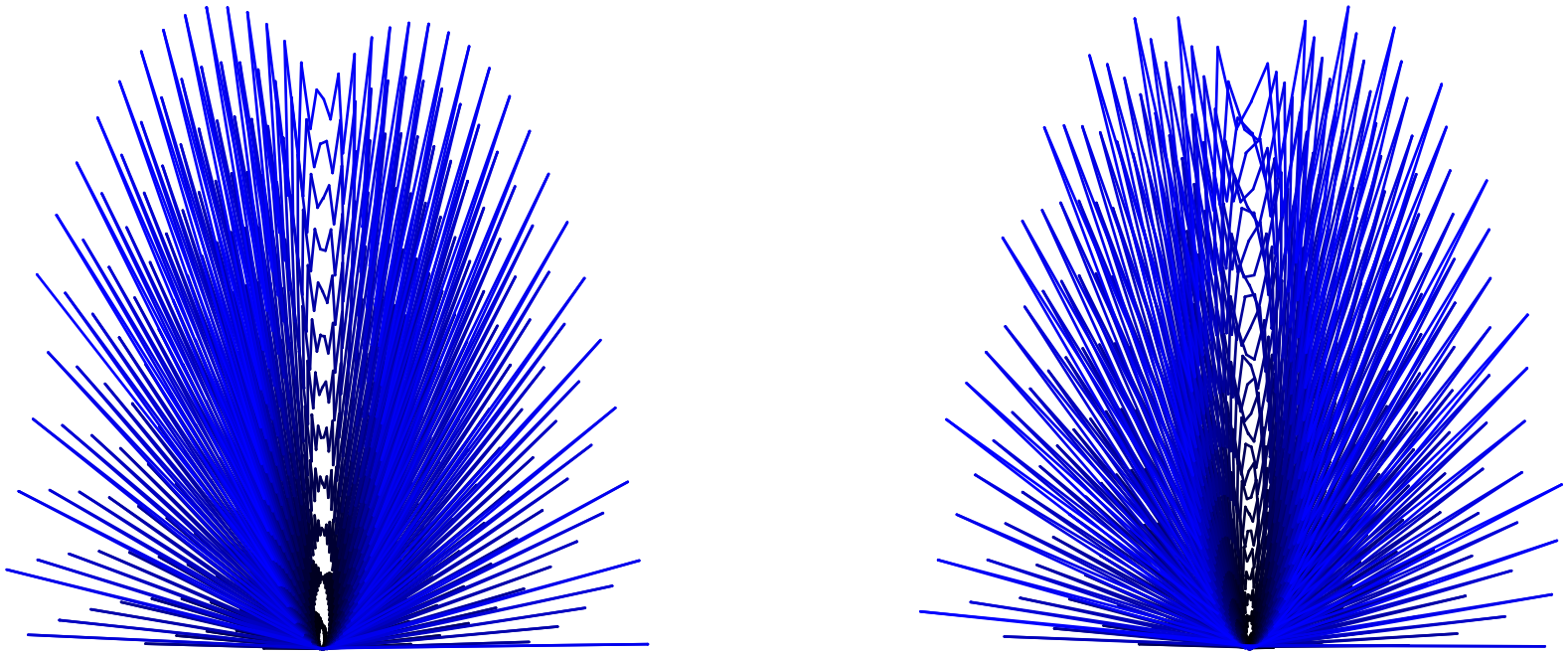
Wheel of characters

Signa in silico 2004



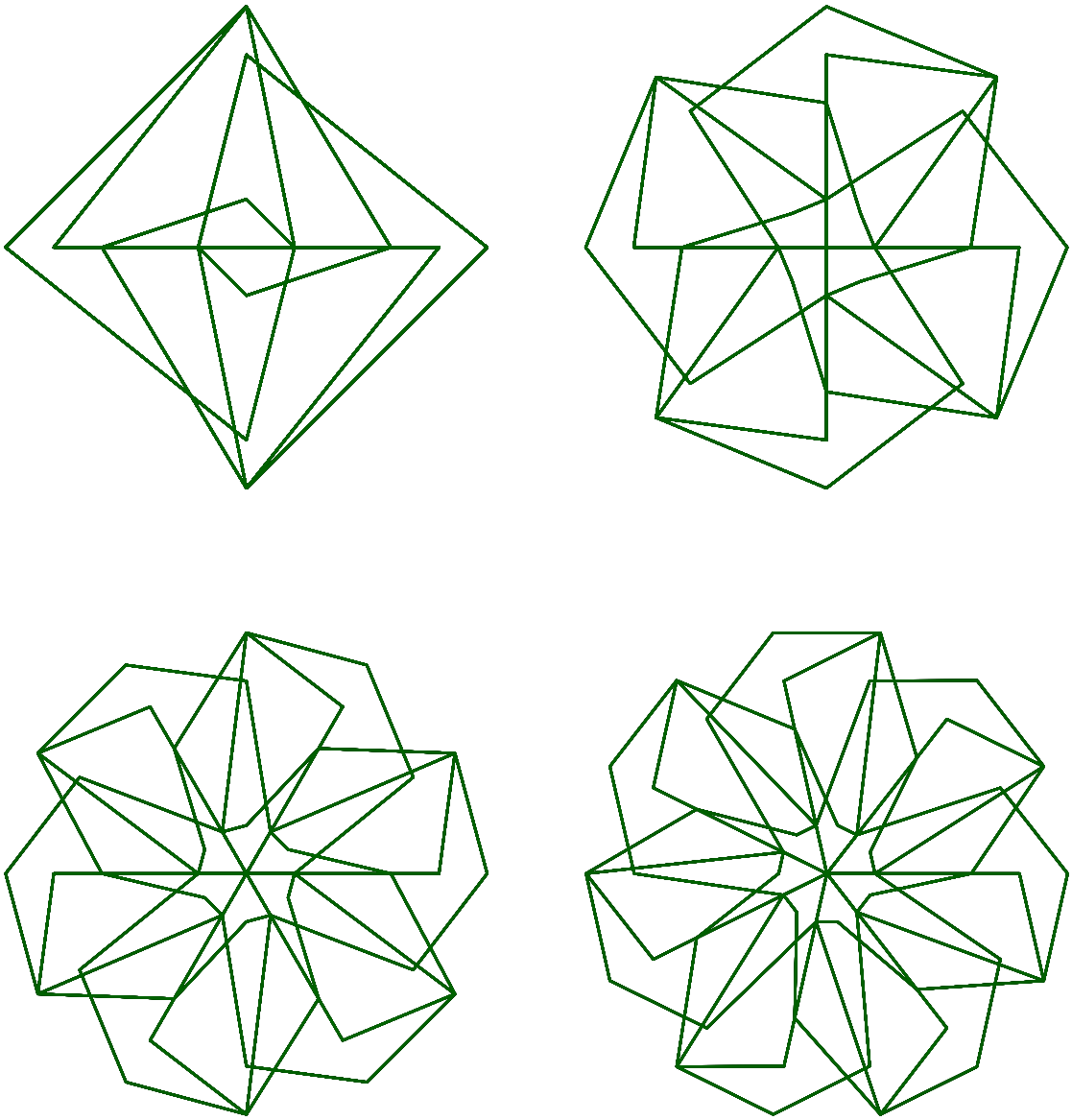
Wheel of characters

Signa in silico 2004



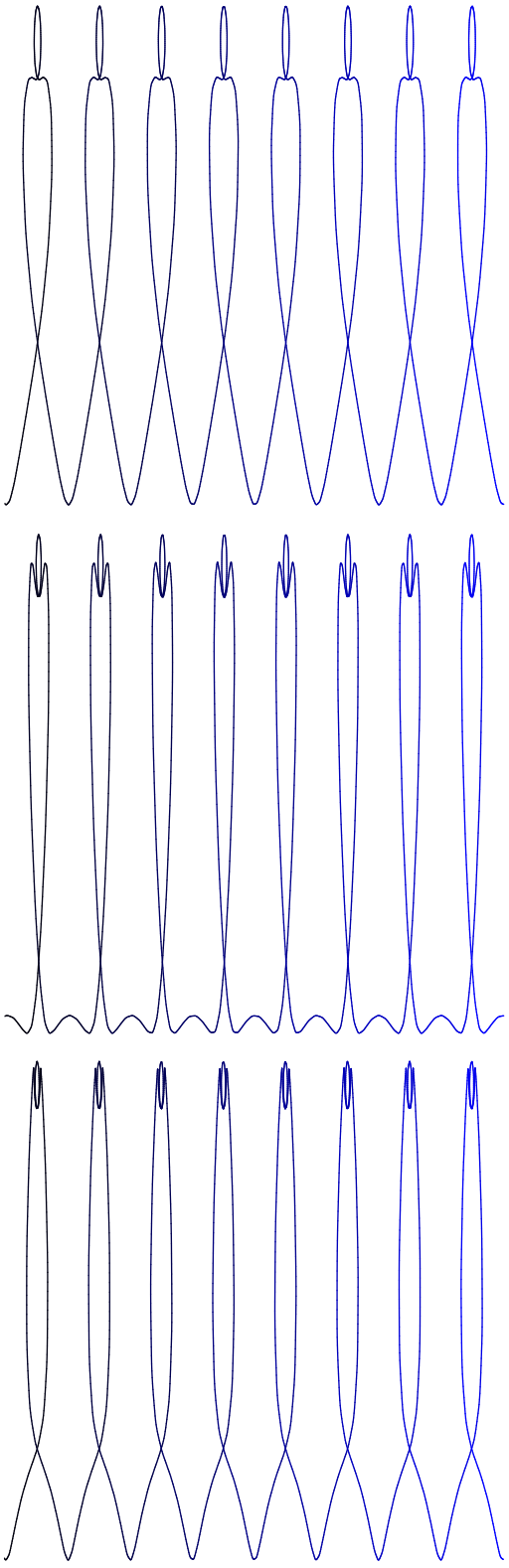
New: two talkative black holes

Signa in silico 2004



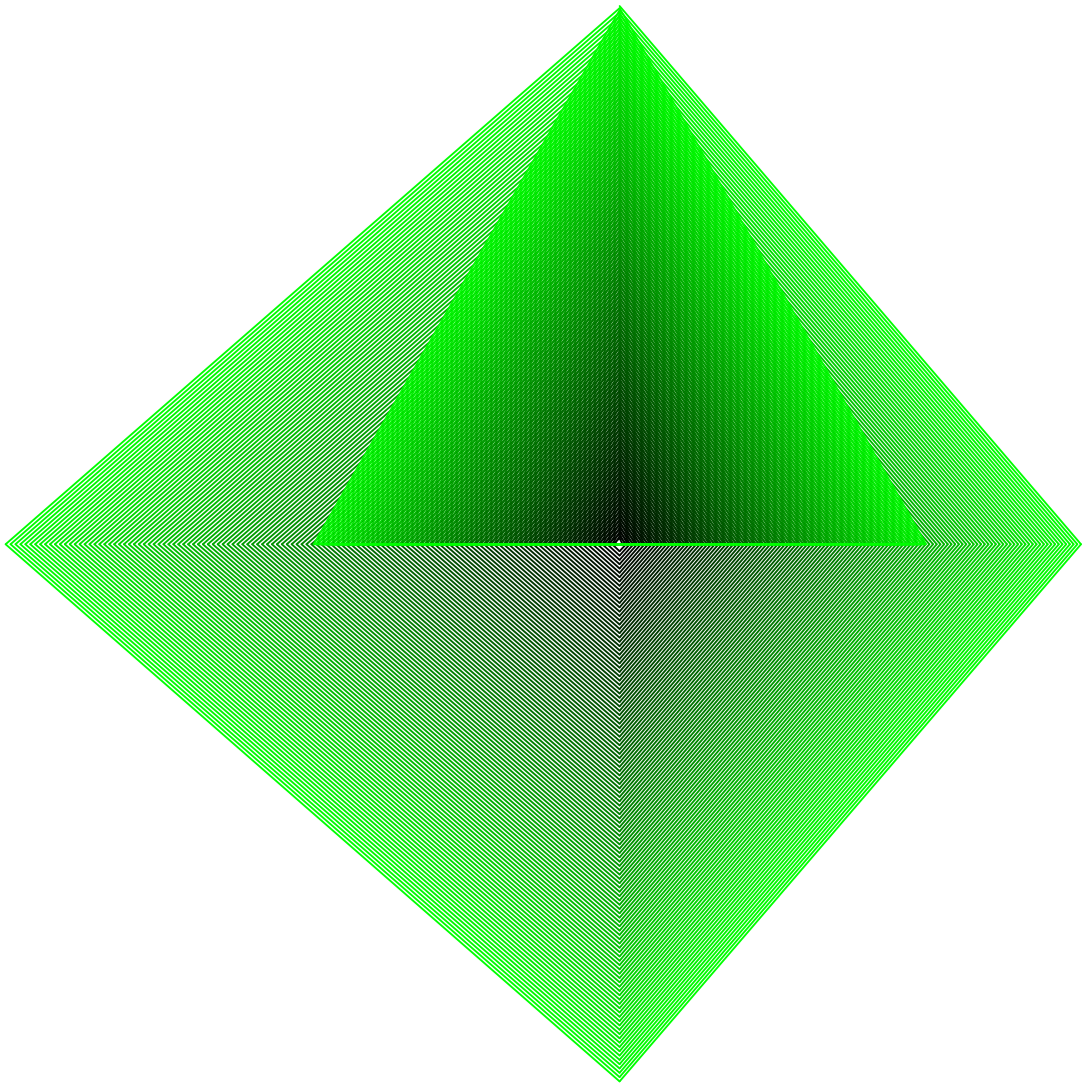
Juno ornaments I

Signa in silico 2004



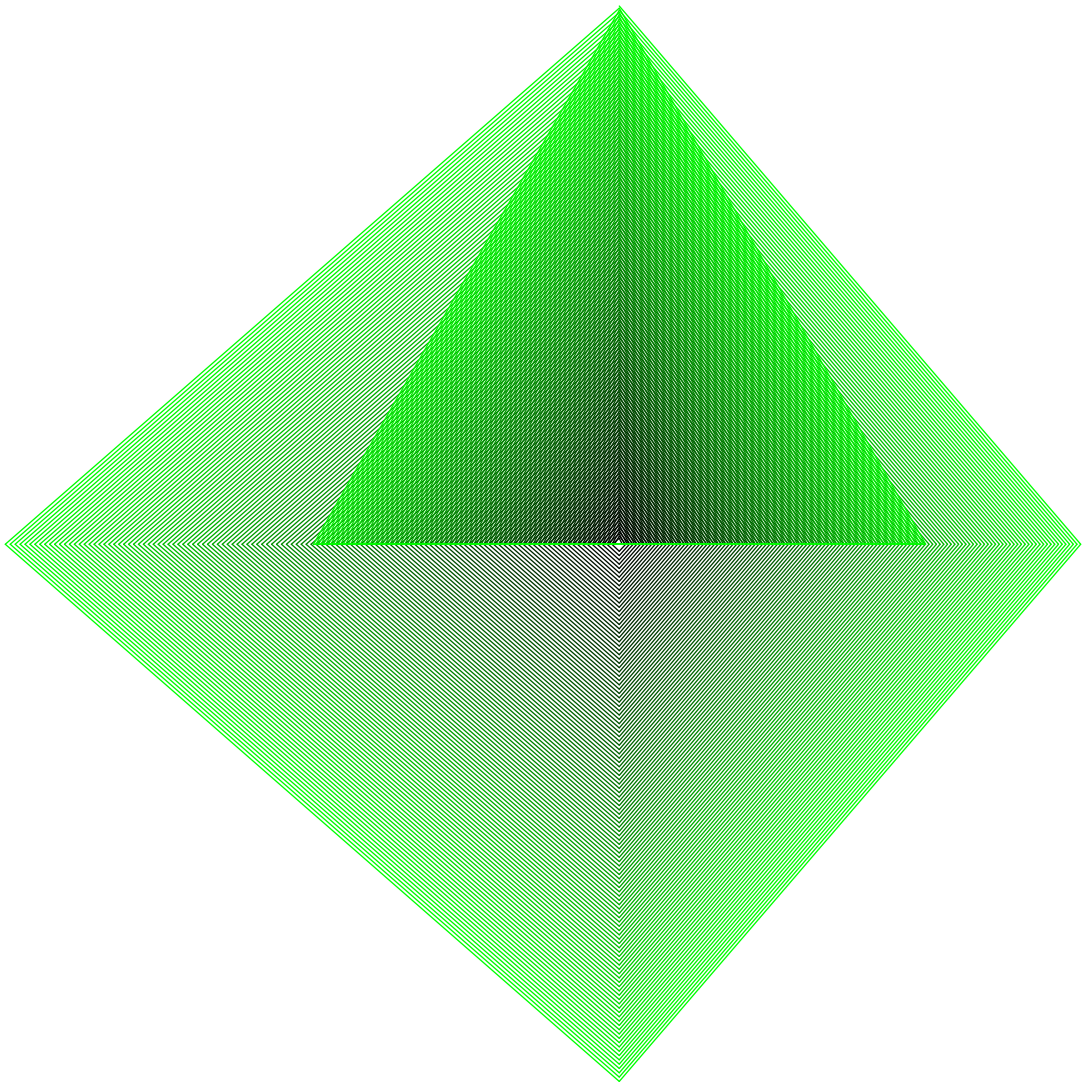
Candles

Signa in silico 2004



Yuzi Paradise memories I

Signa in silico 2004

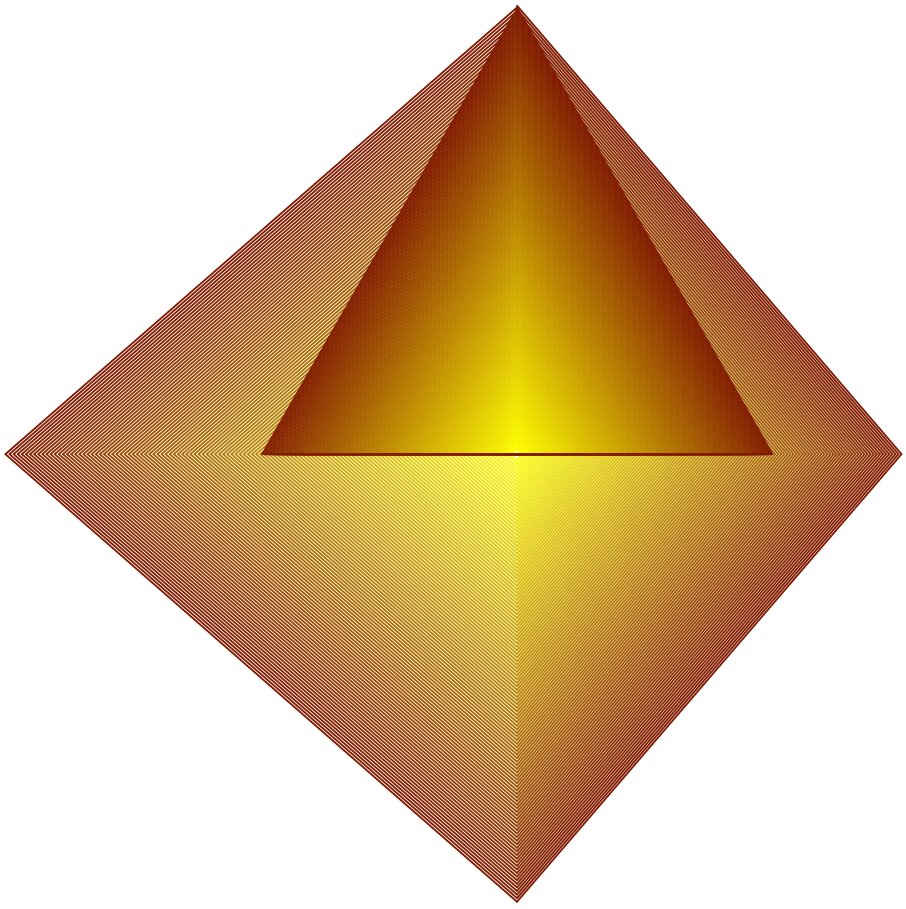


Yuzi Paradise memories I

Signa in silico 2004

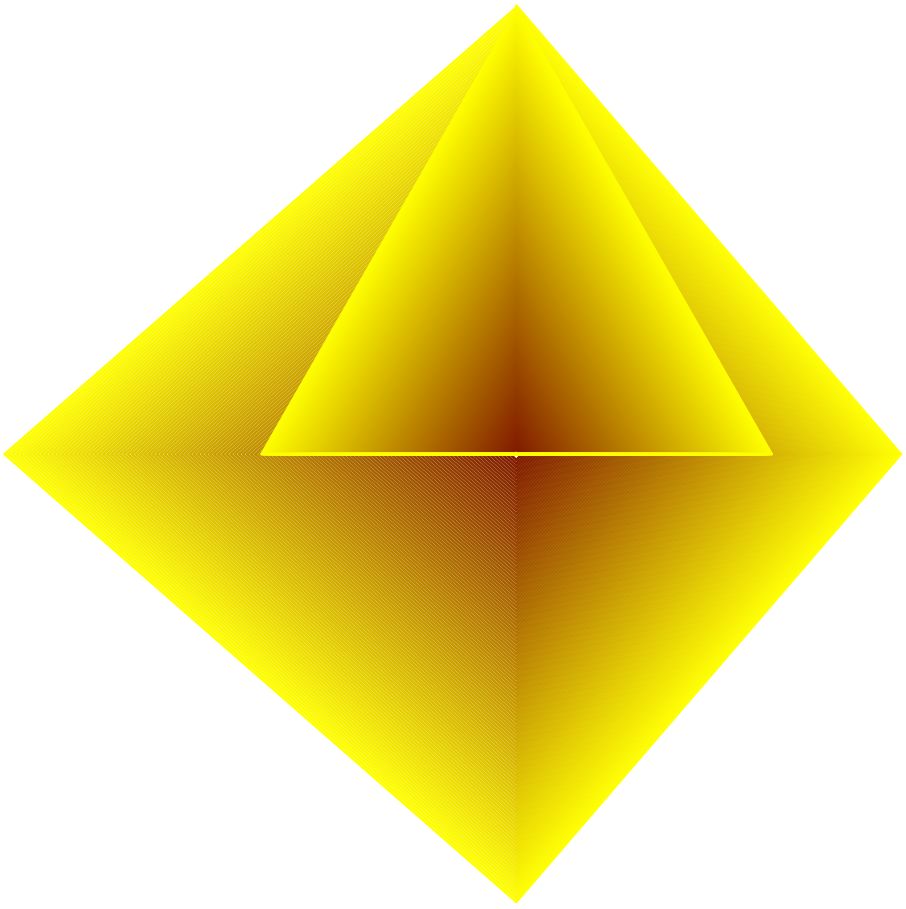
Yuzi Paradise memories II

Signa in silico 2004



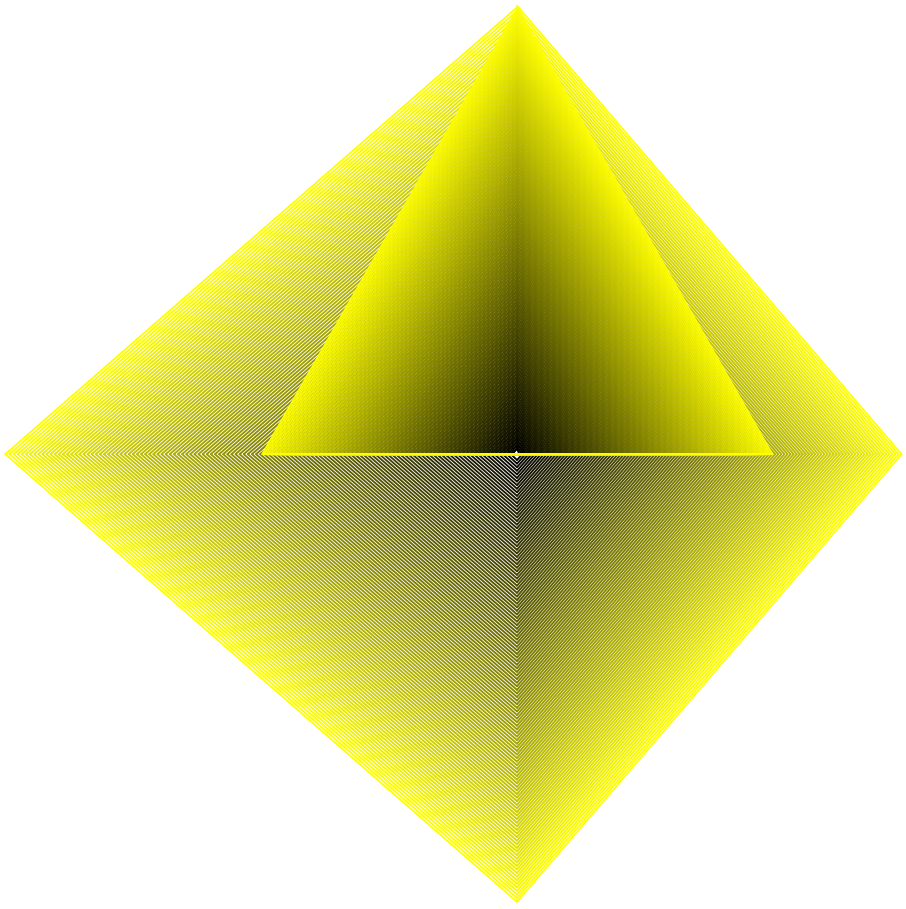
Yuzi Paradise memories III

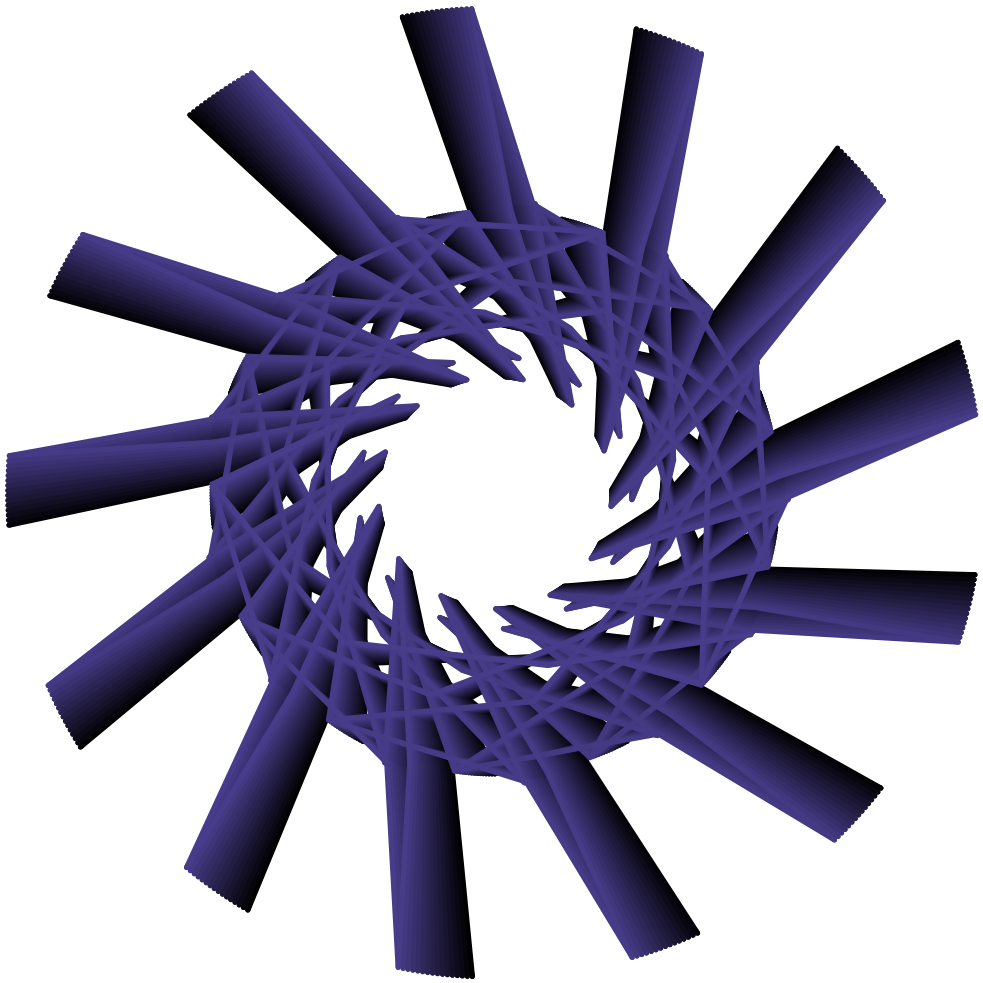
Signa in silico 2004



Yuzi Paradise memories IV

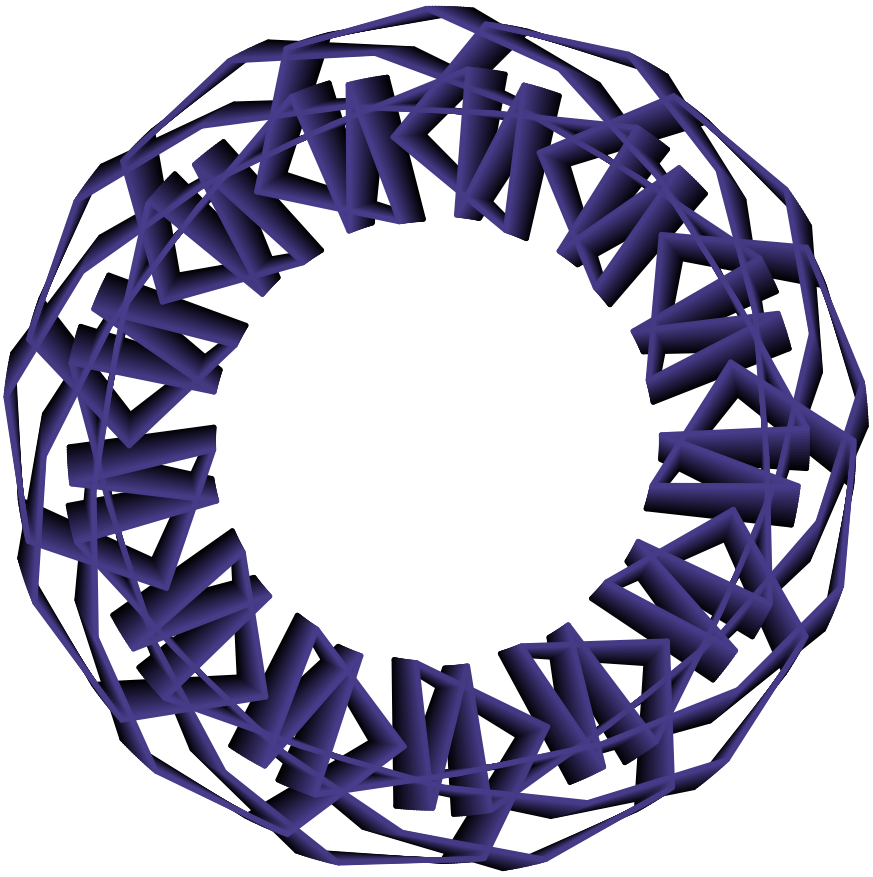
Signa in silico 2004





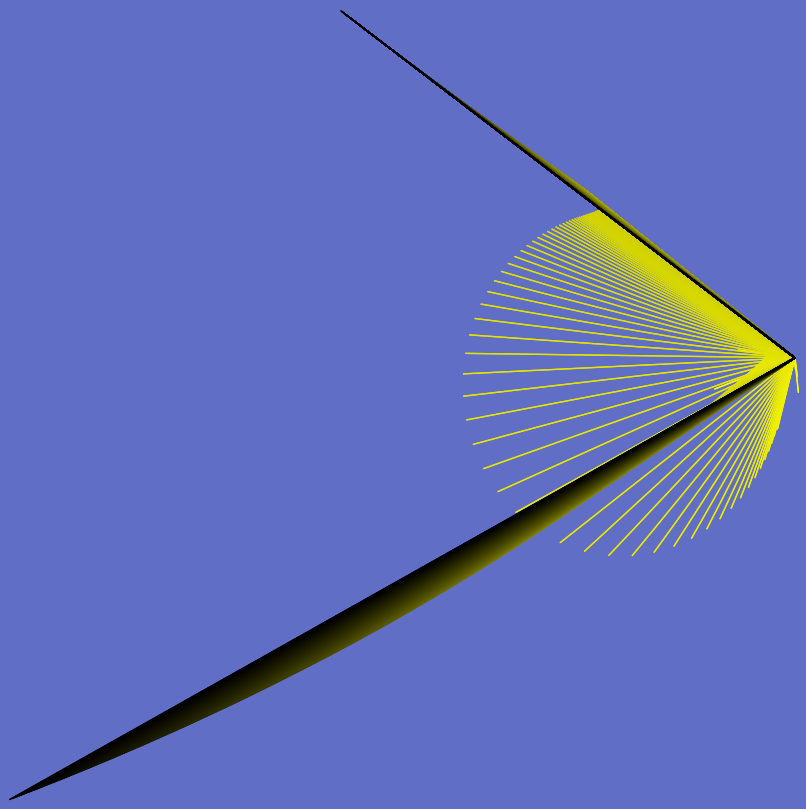
Why?

Signa in silico 2004



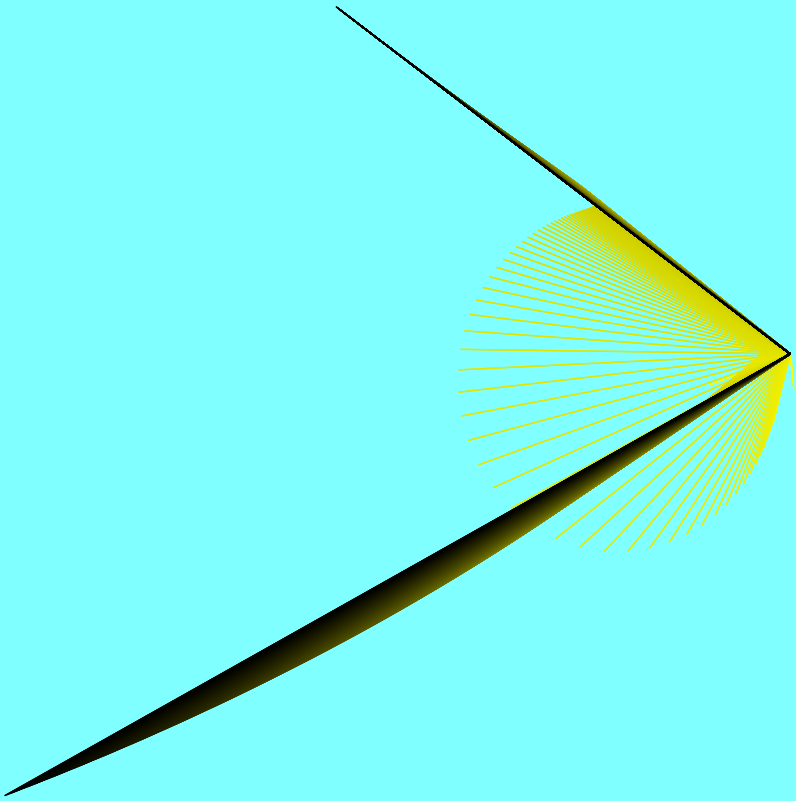
It is written …

Signa in silico 2004



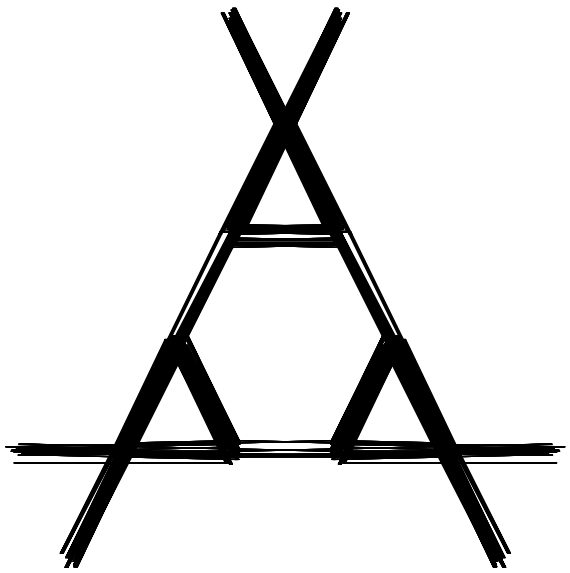
Birth of an idea

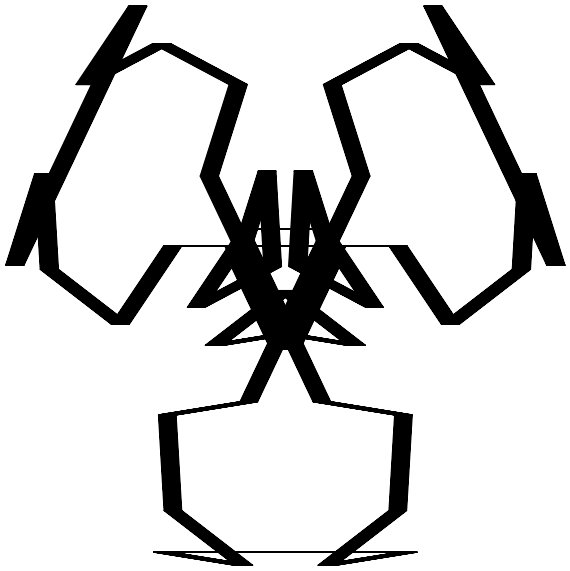
Signa in silico 2001



Birth of an idea

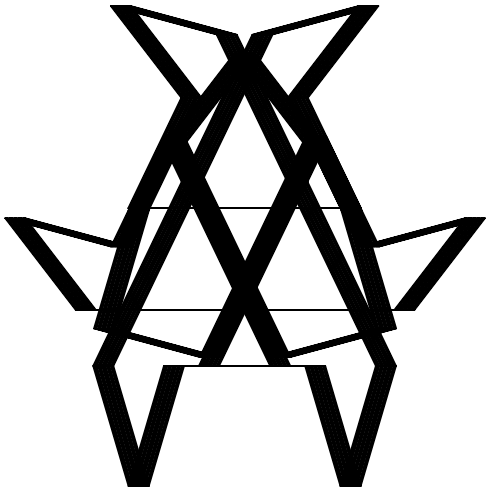
Signa in silico 2001



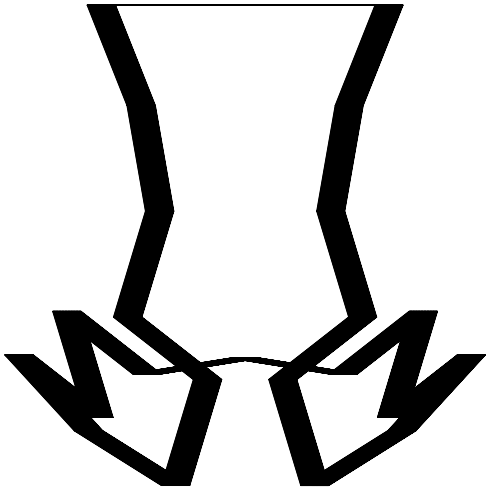


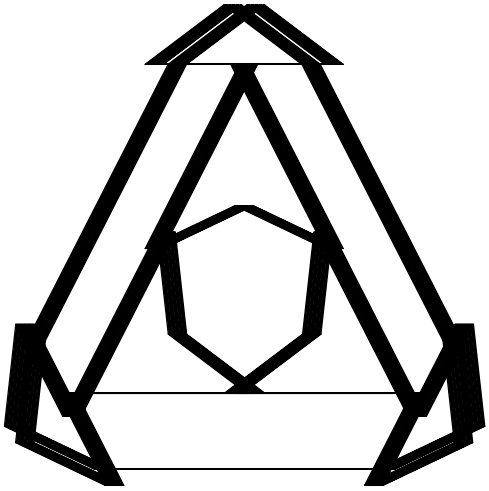
Brush

Signa in silico 2005



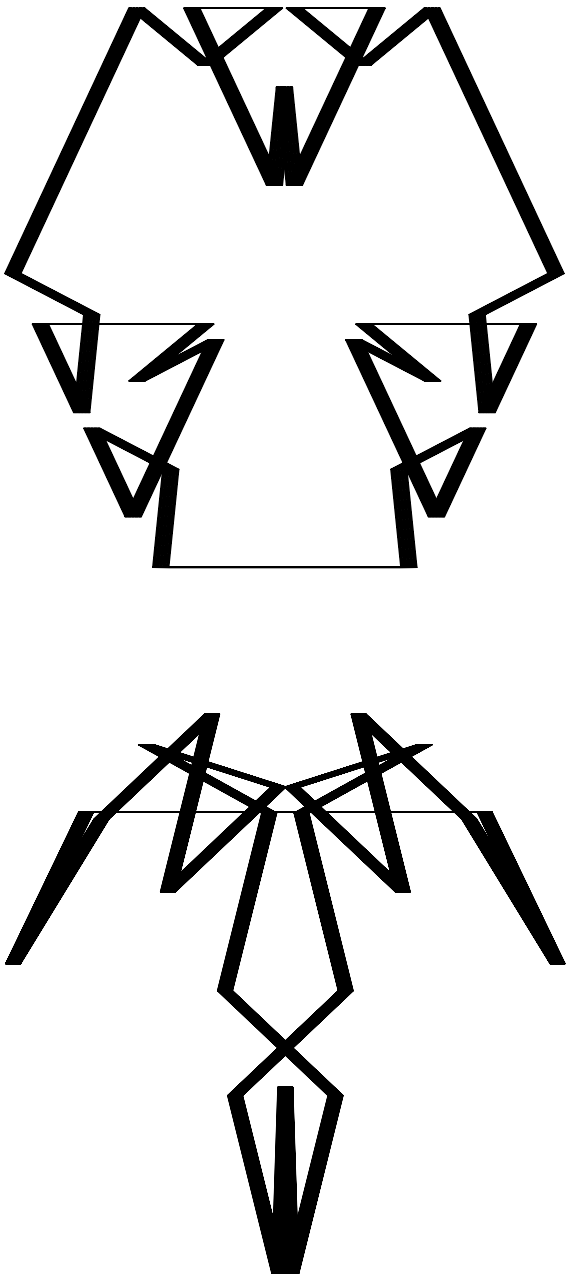






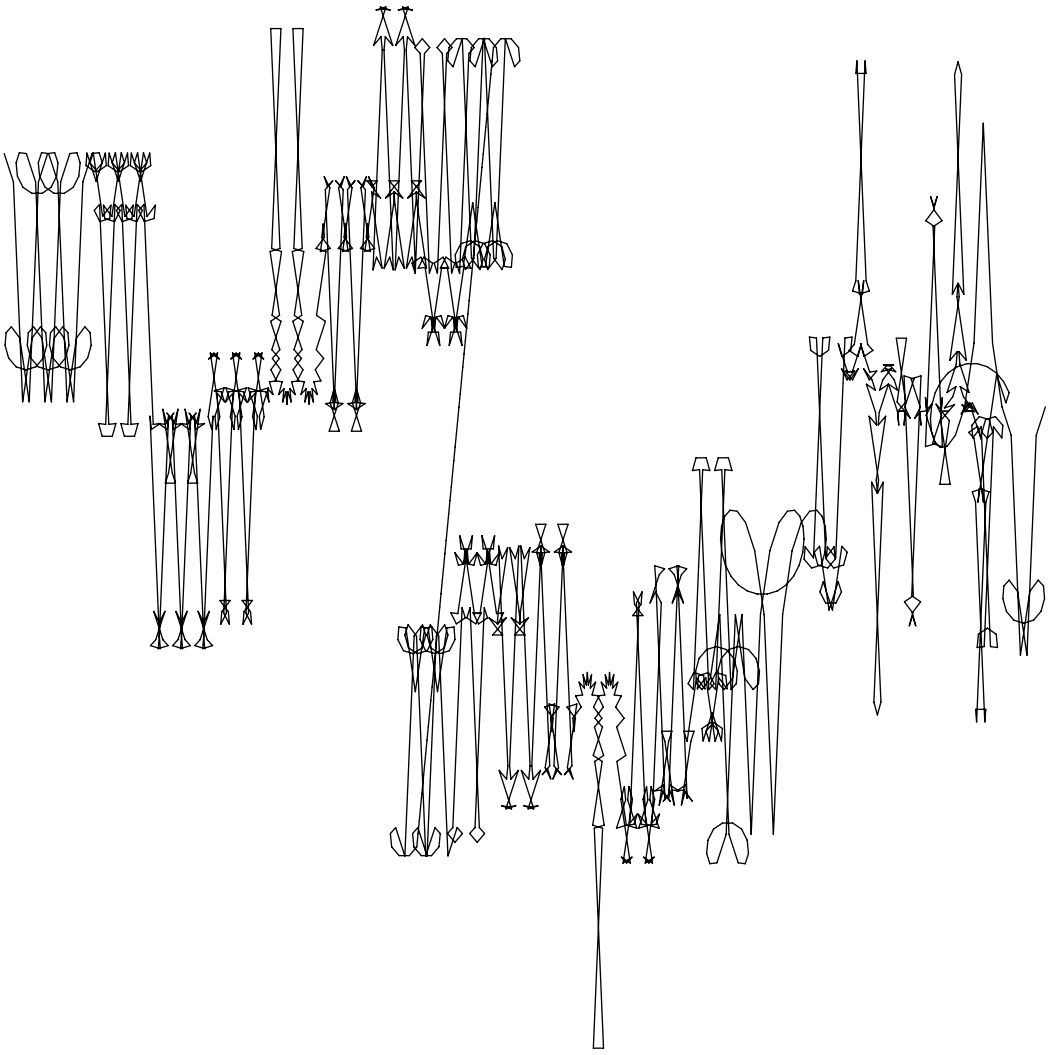
Brush

Signa in silico 2005



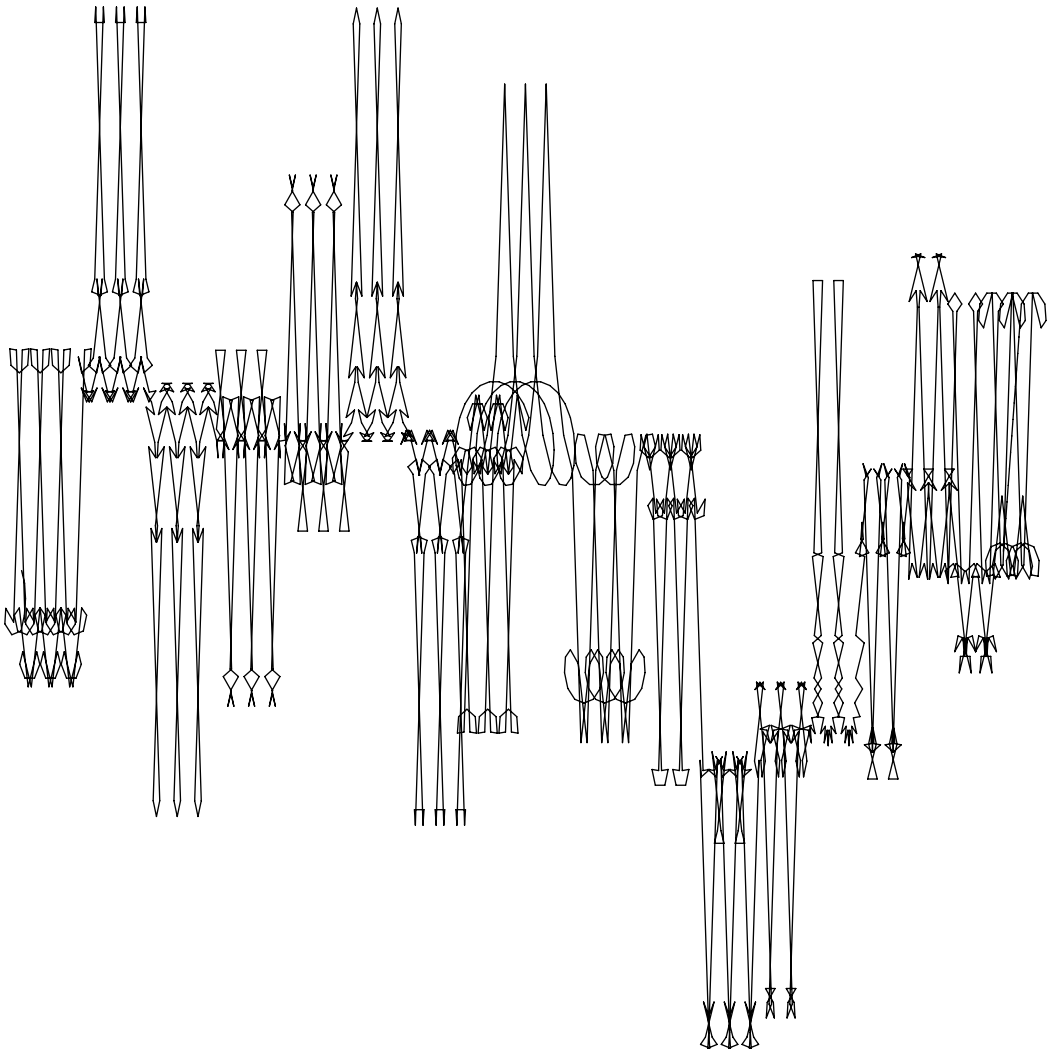
Brush

Signa in silico 2005



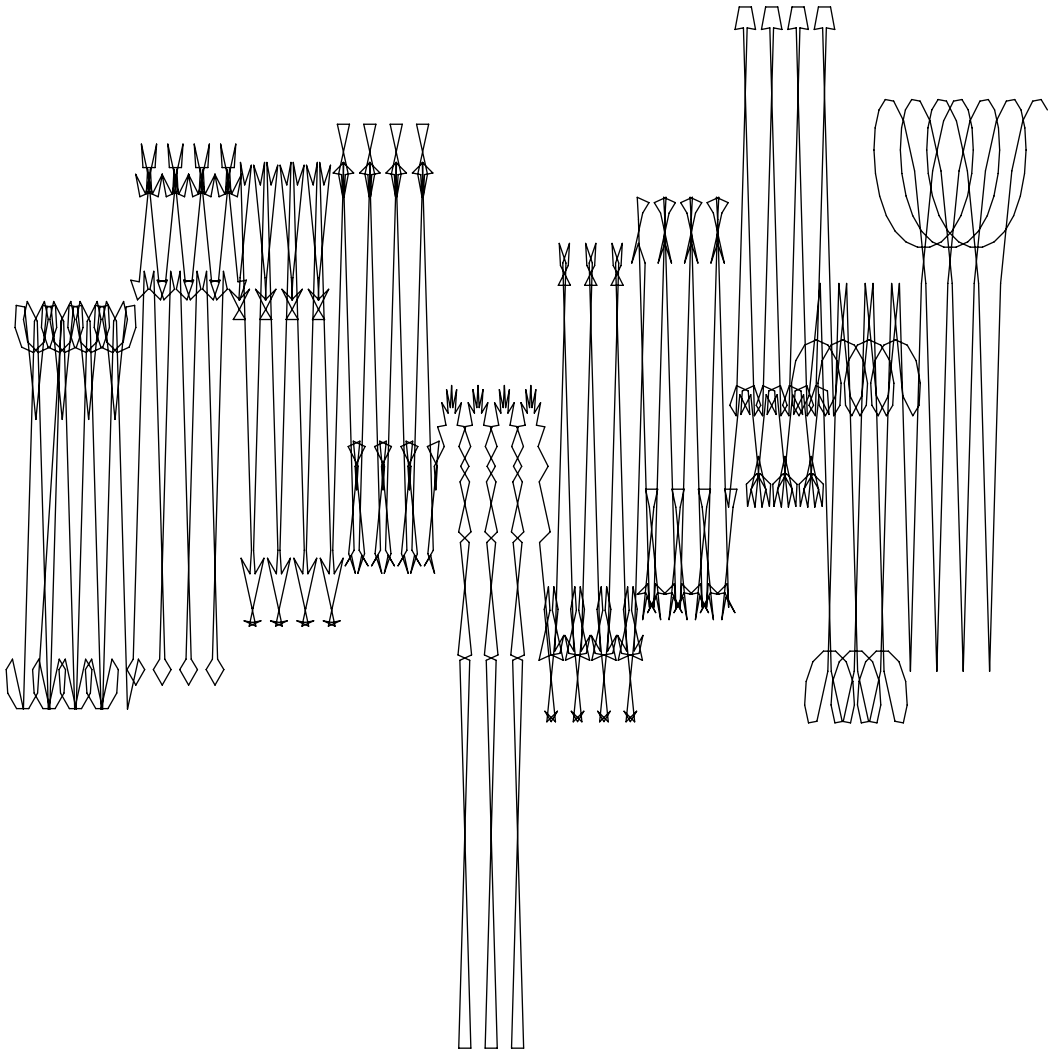
Alien Scenery

Signa in silico 2005



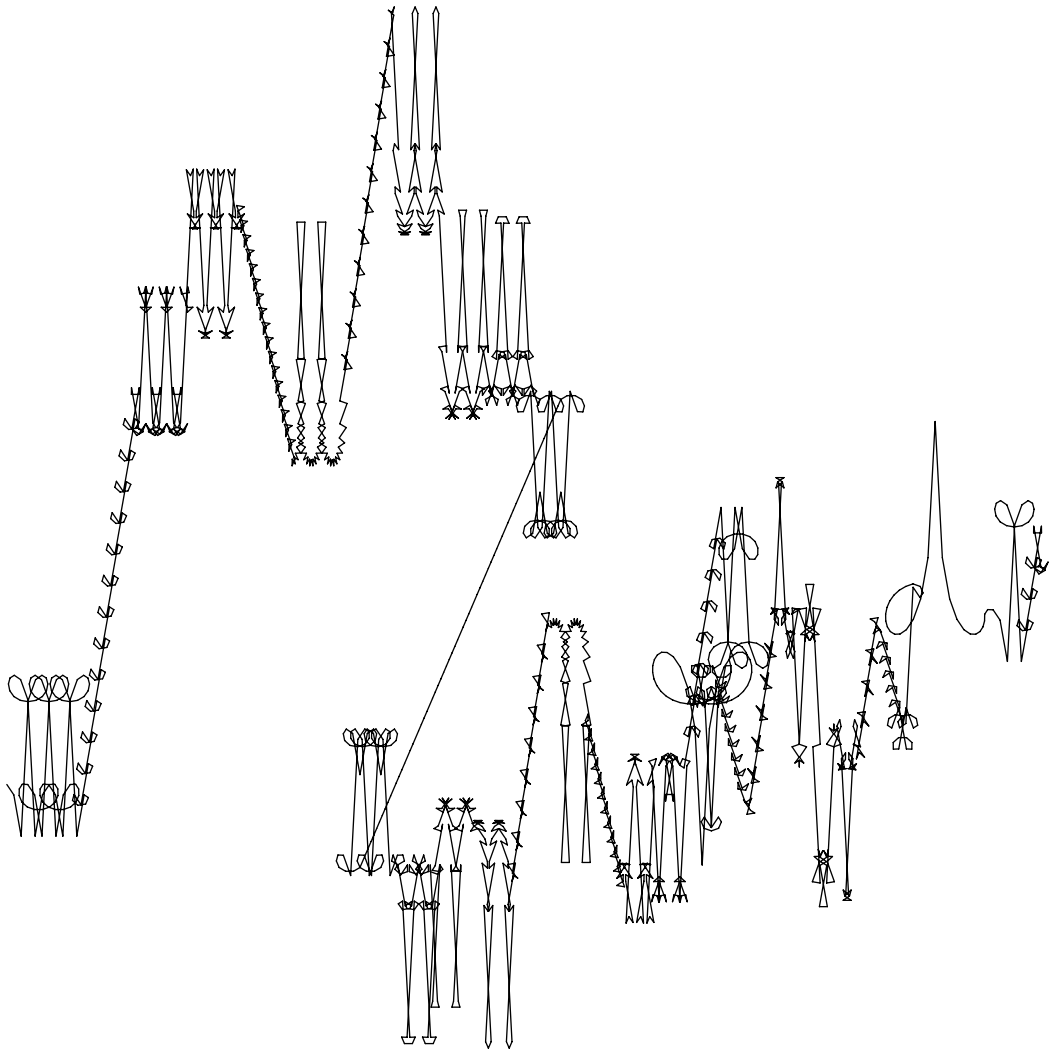
Alien Scenery

Signa in silico 2005



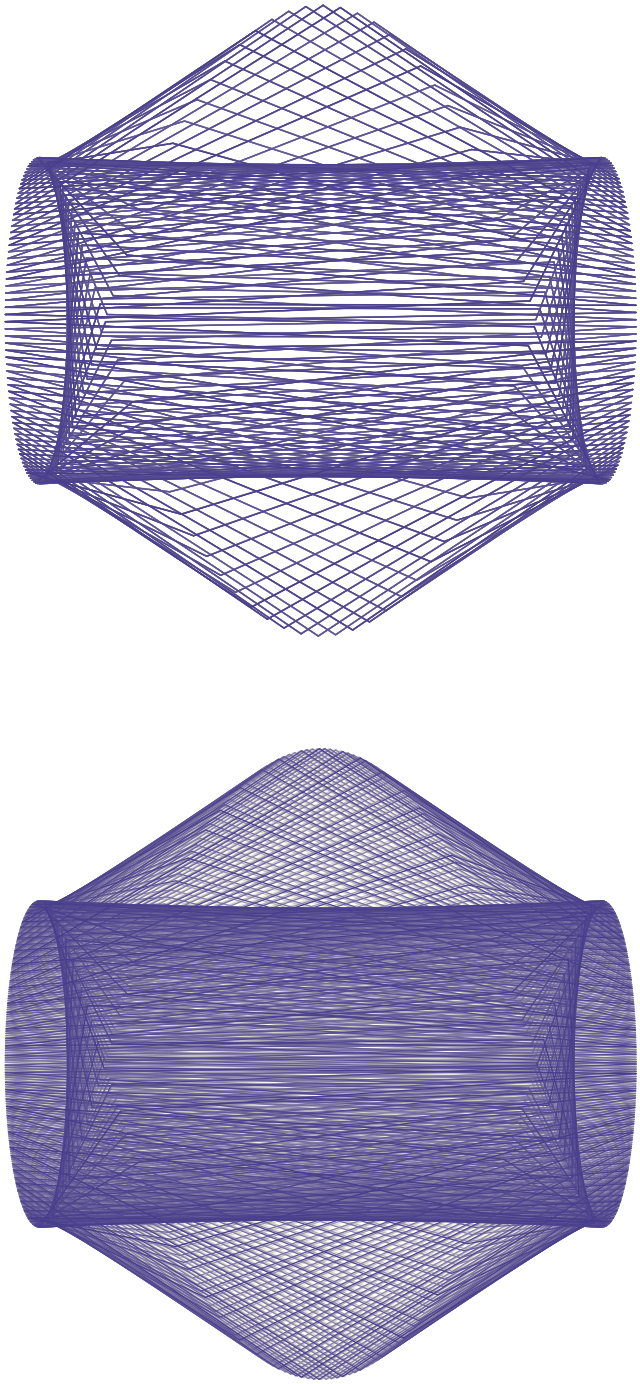
Alien Scenery

Signa in silico 2005



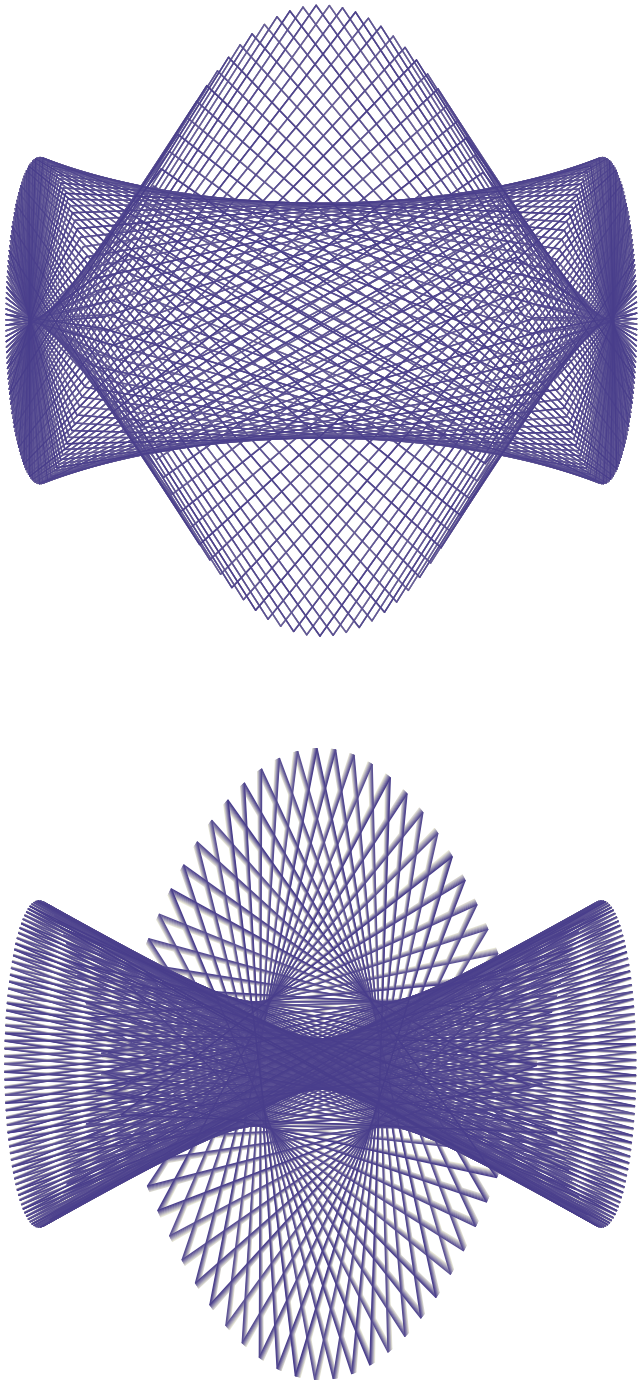
Alien Scenery

Signa in silico 2005



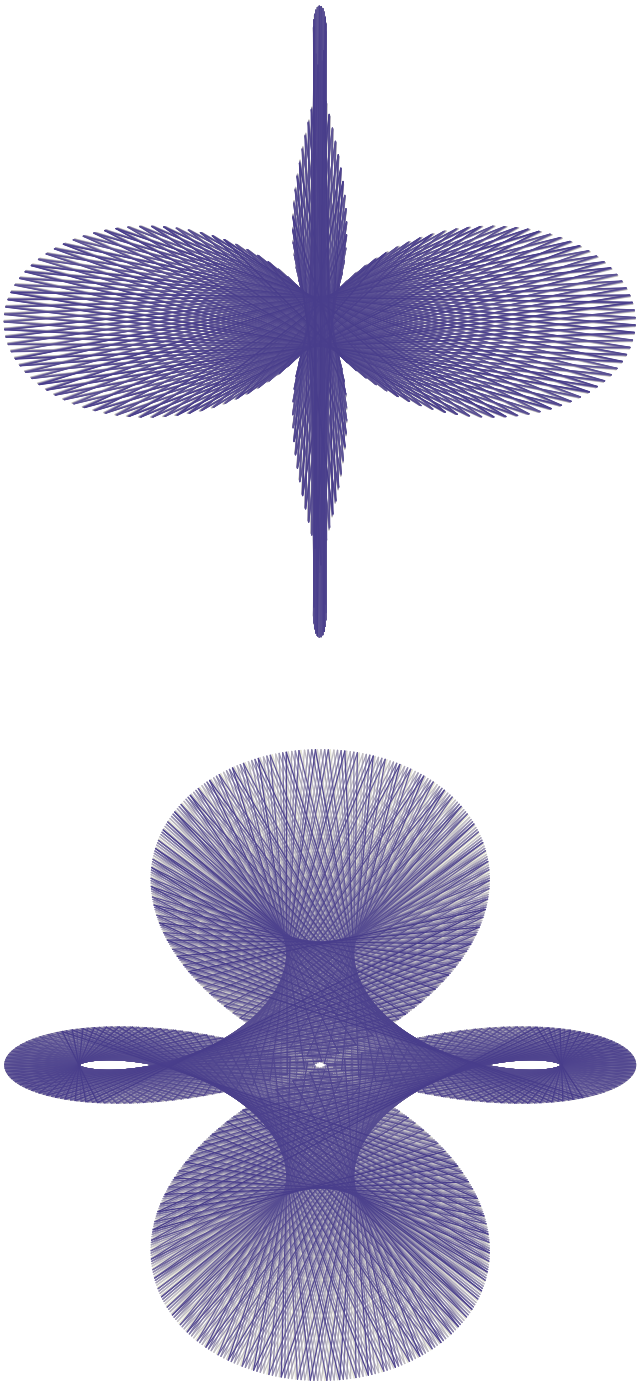
Tesla dreams I

Signa in silico 2003



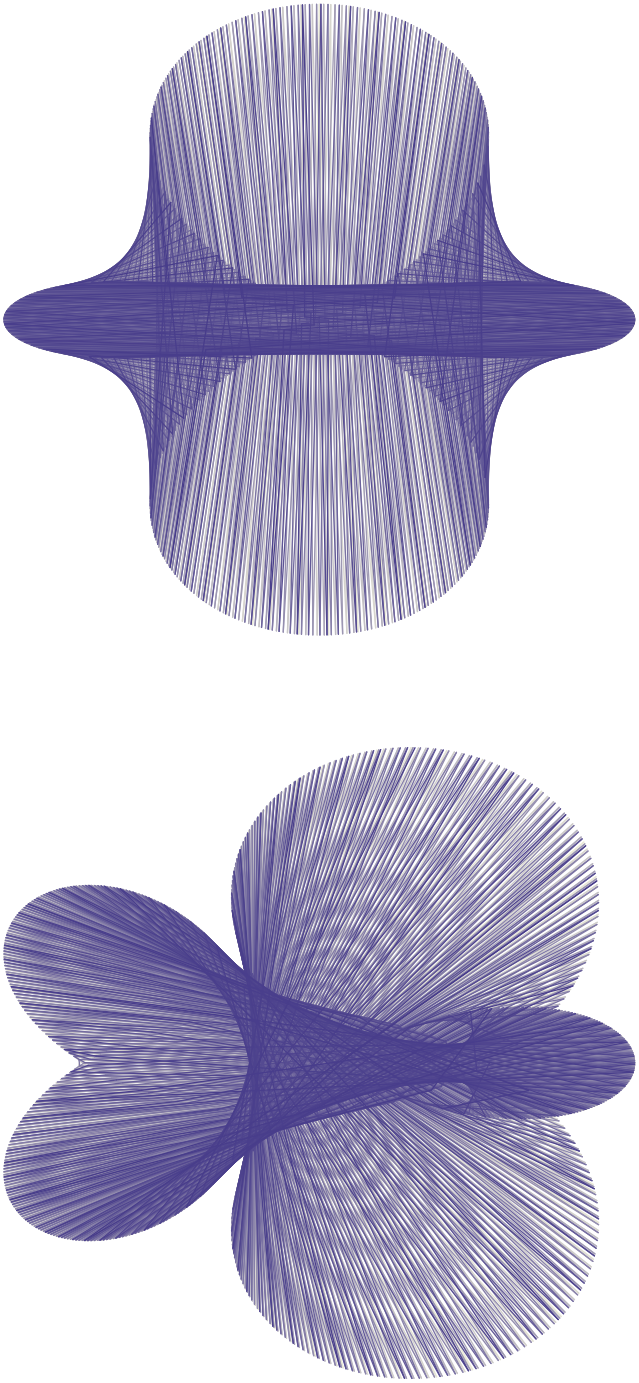
Tesla dreams II

Signa in silico 2003



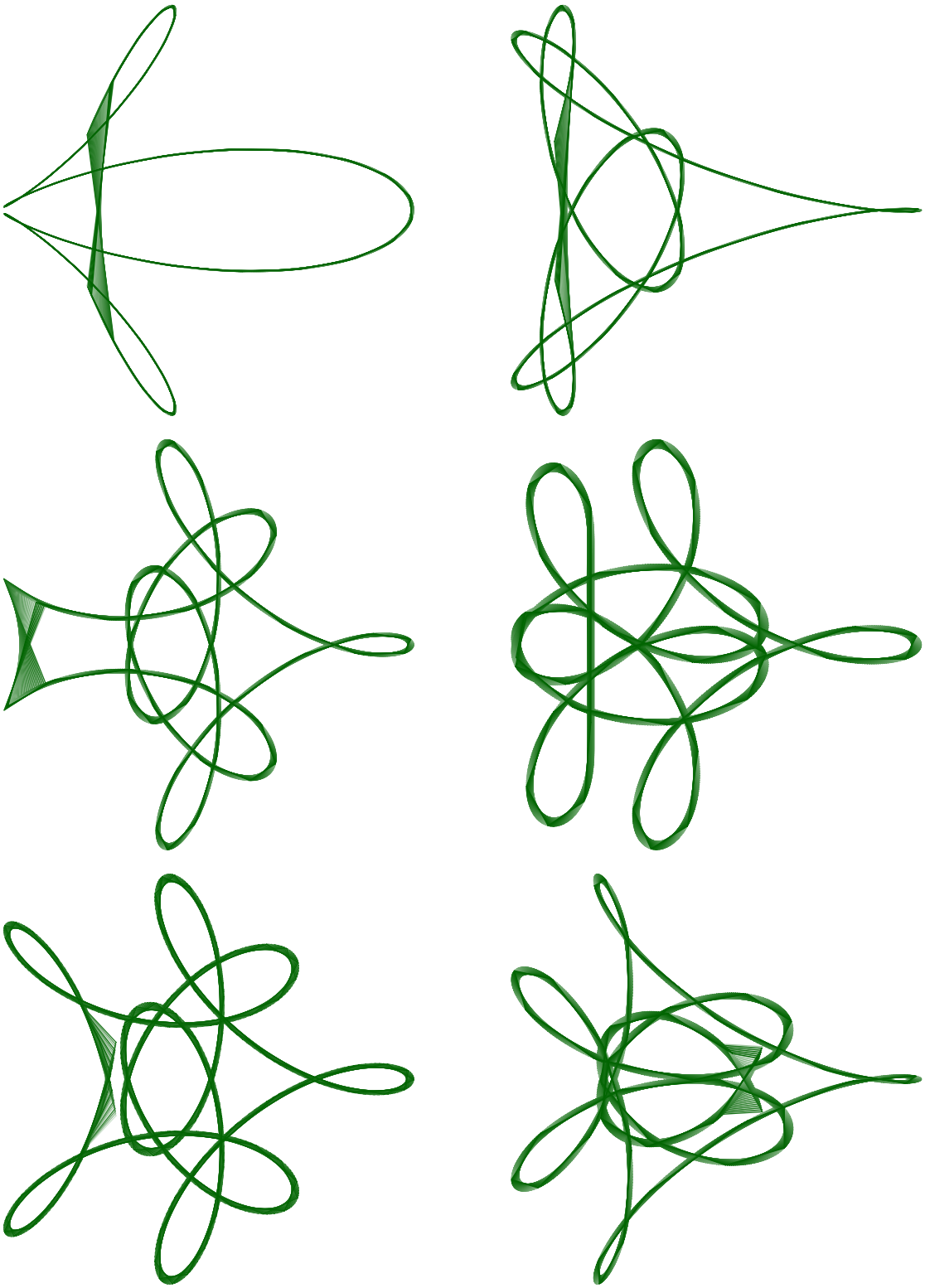
Tesla dreams III

Signa in silico 2003



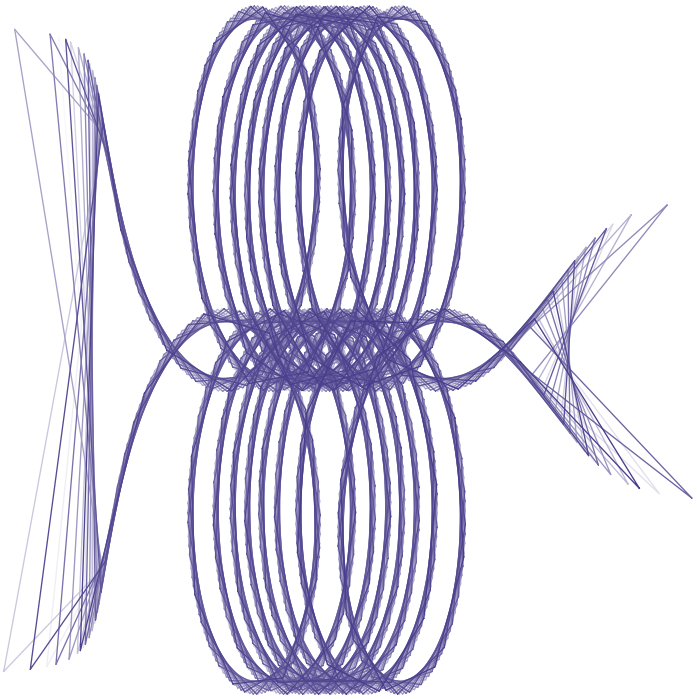
Tesla dreams IV

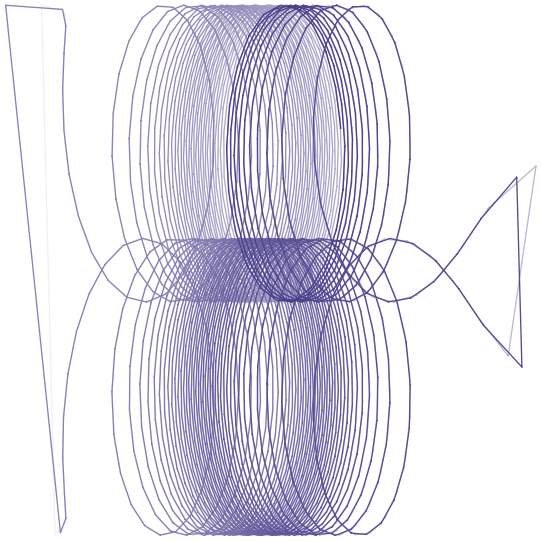
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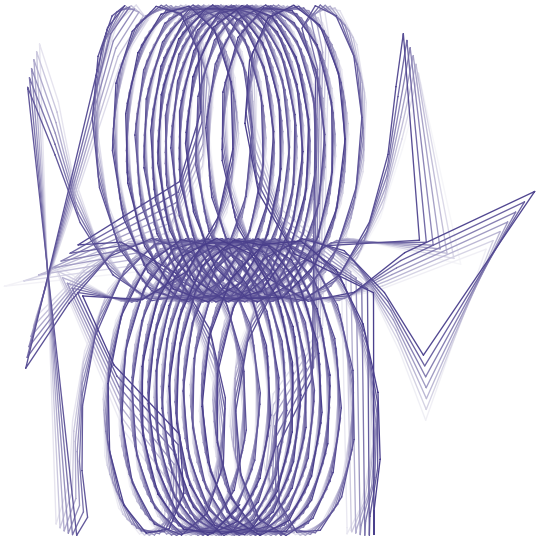


FM41 Algostrings

Signa in silico 2002

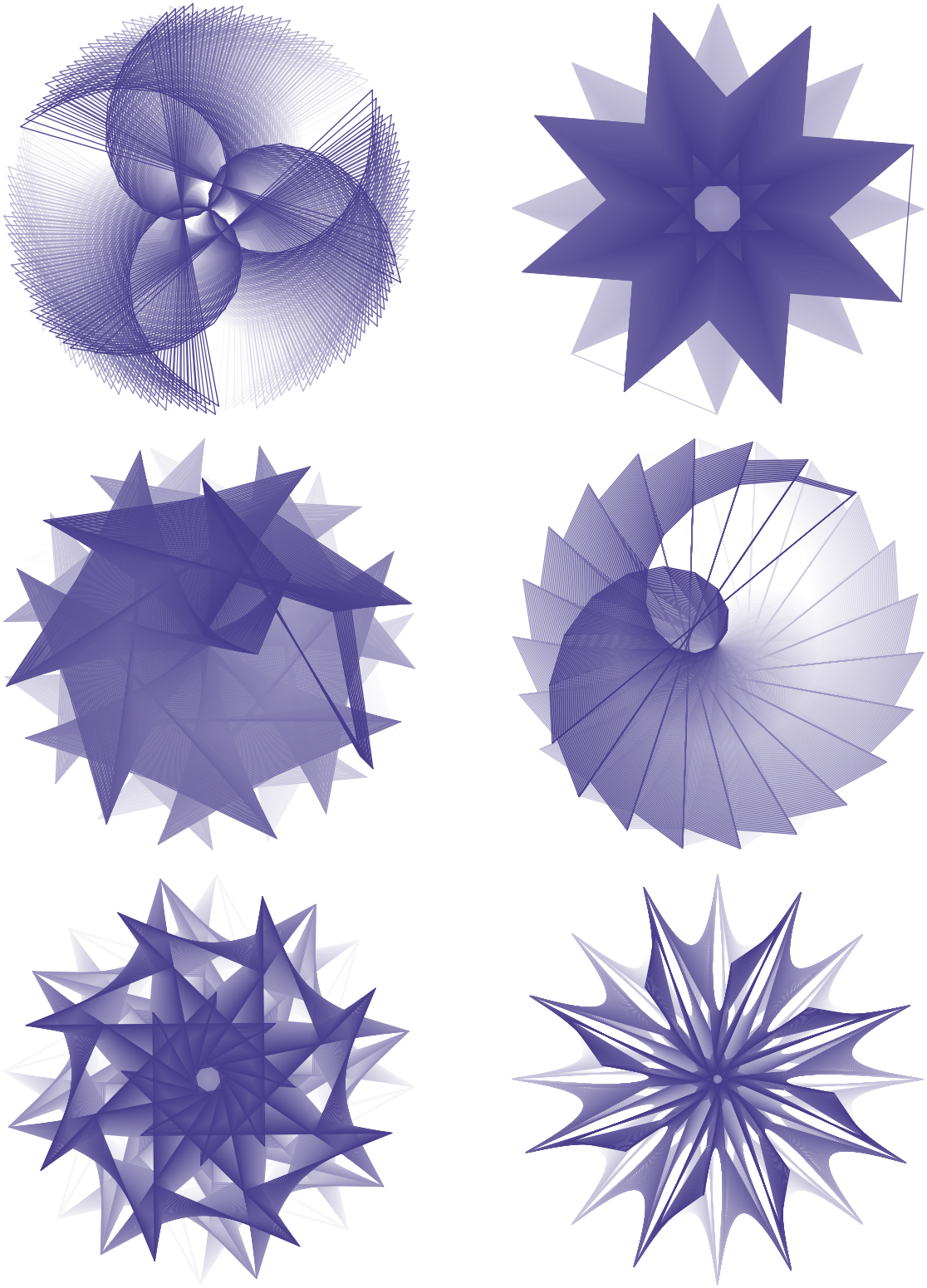






Maxwelleans

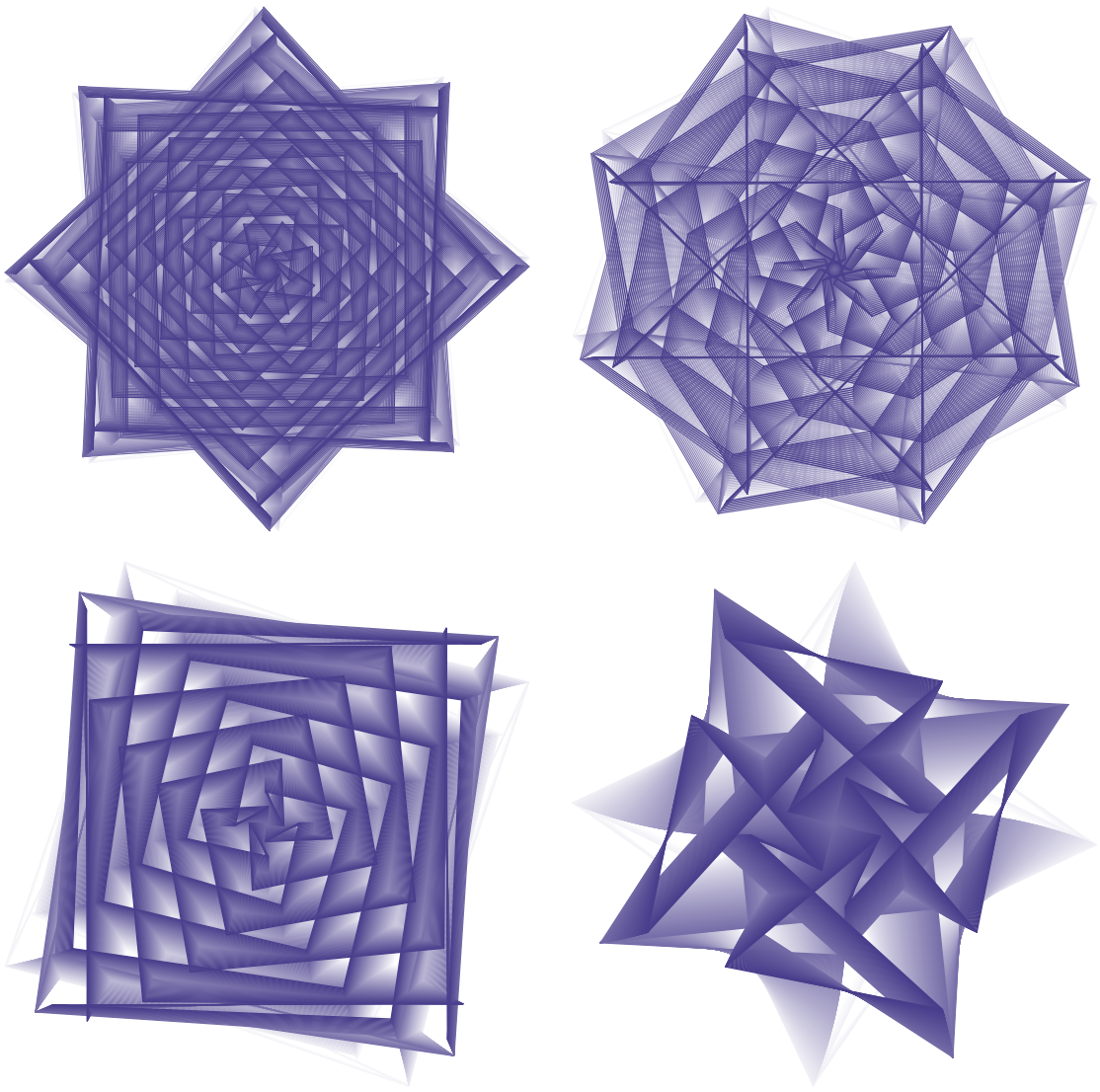
Signa in silico 2002



Signa in silico goes on tour of Münster

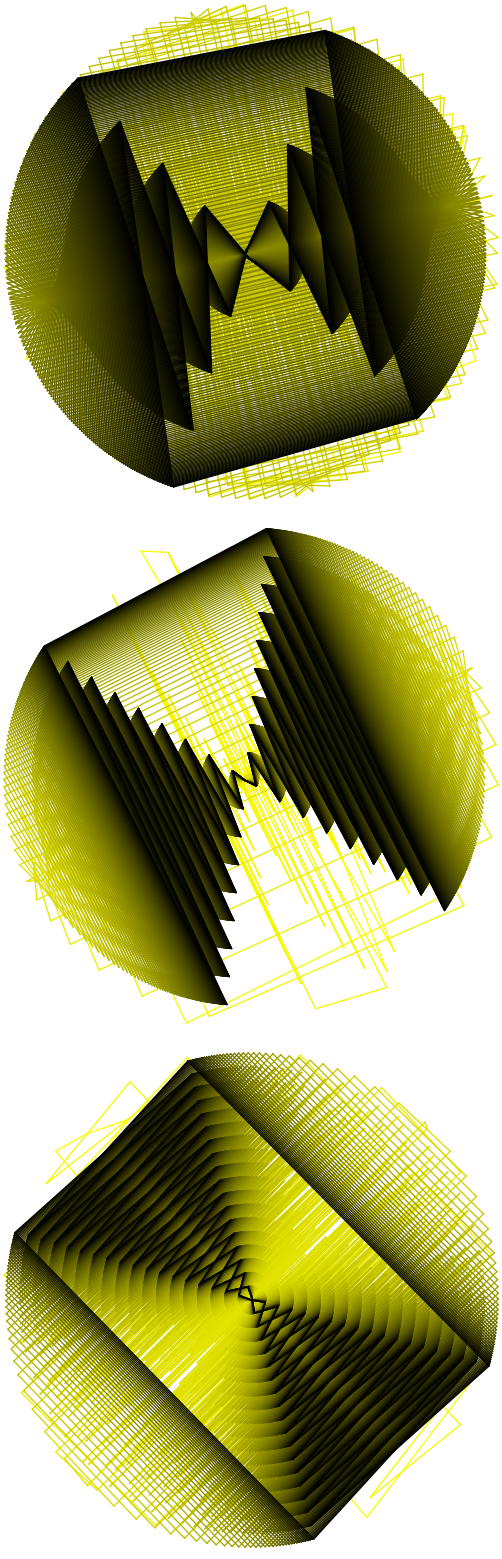
Patterns

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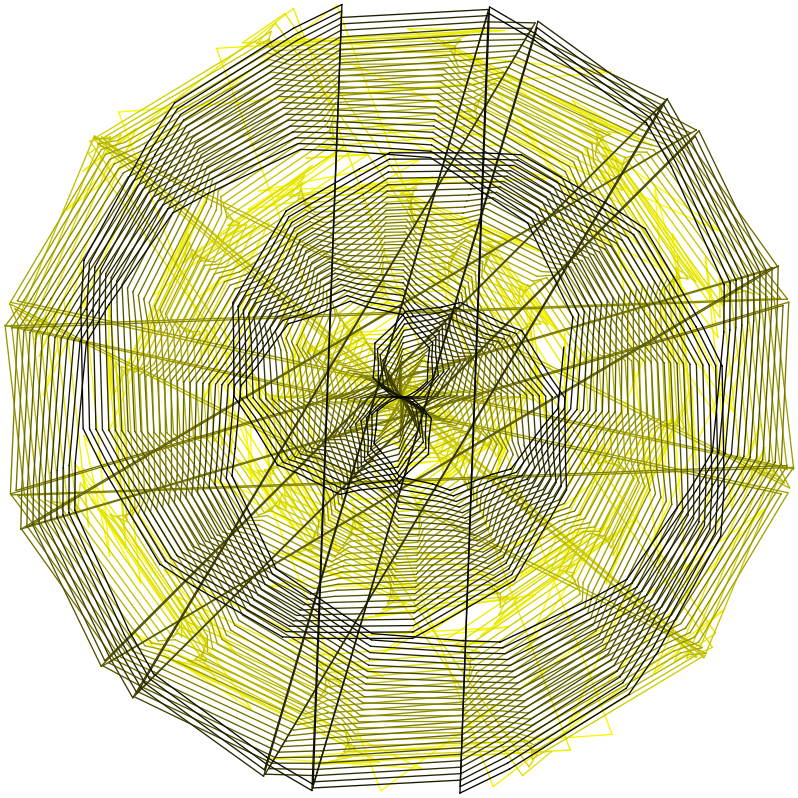
Interlace

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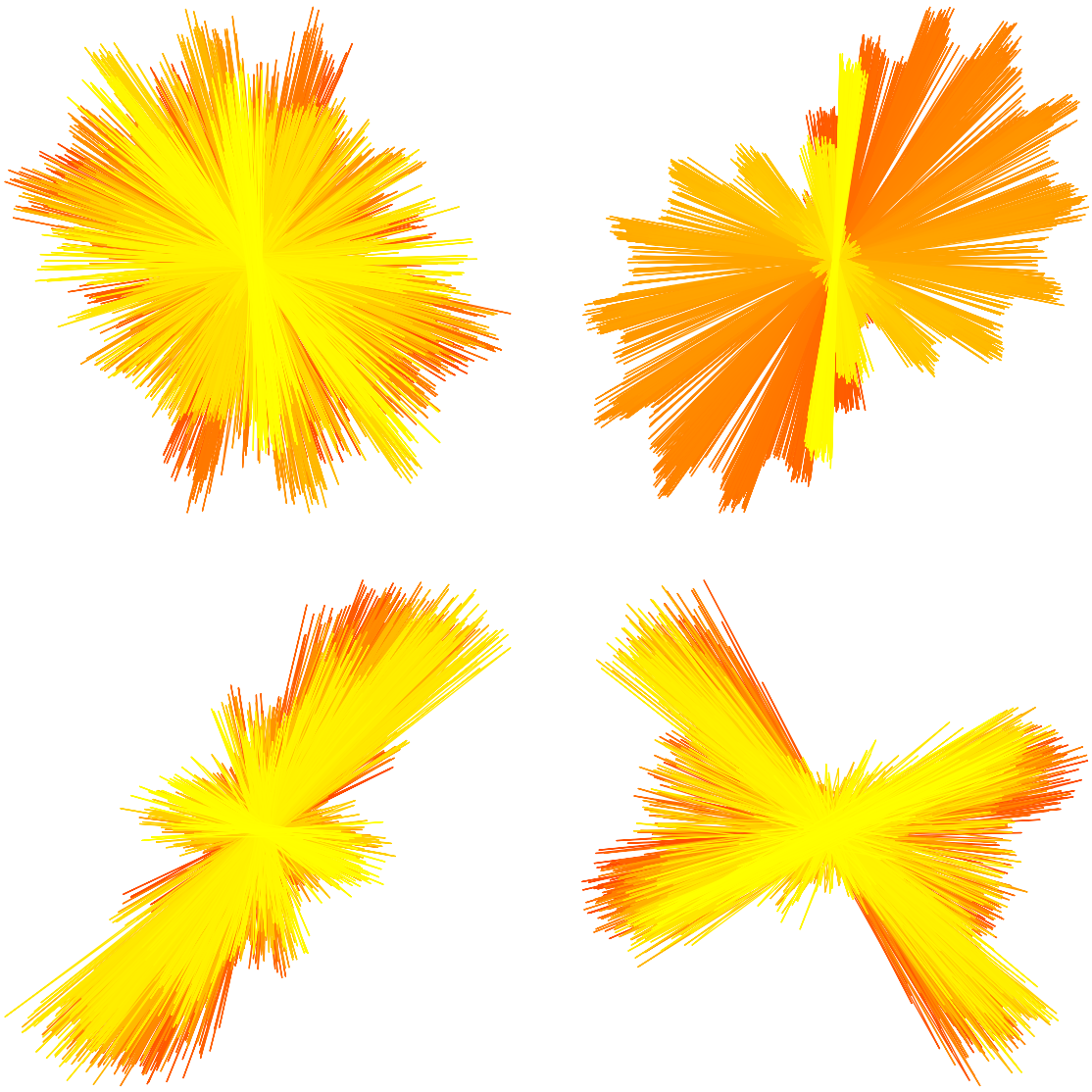
Standing waves

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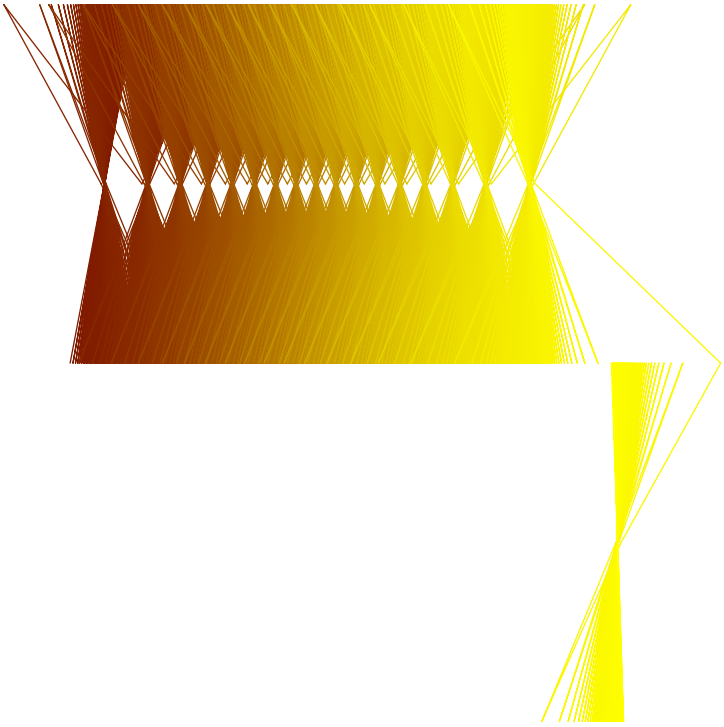
Silk road

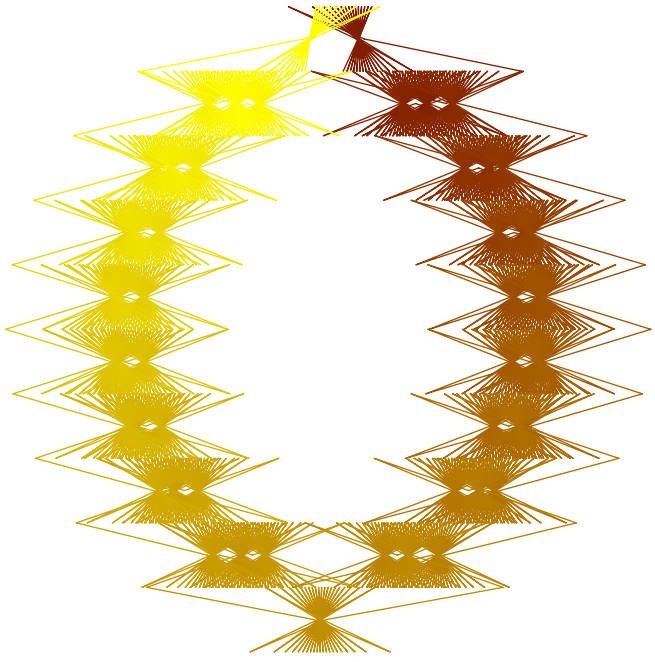
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Flowers of sulphur

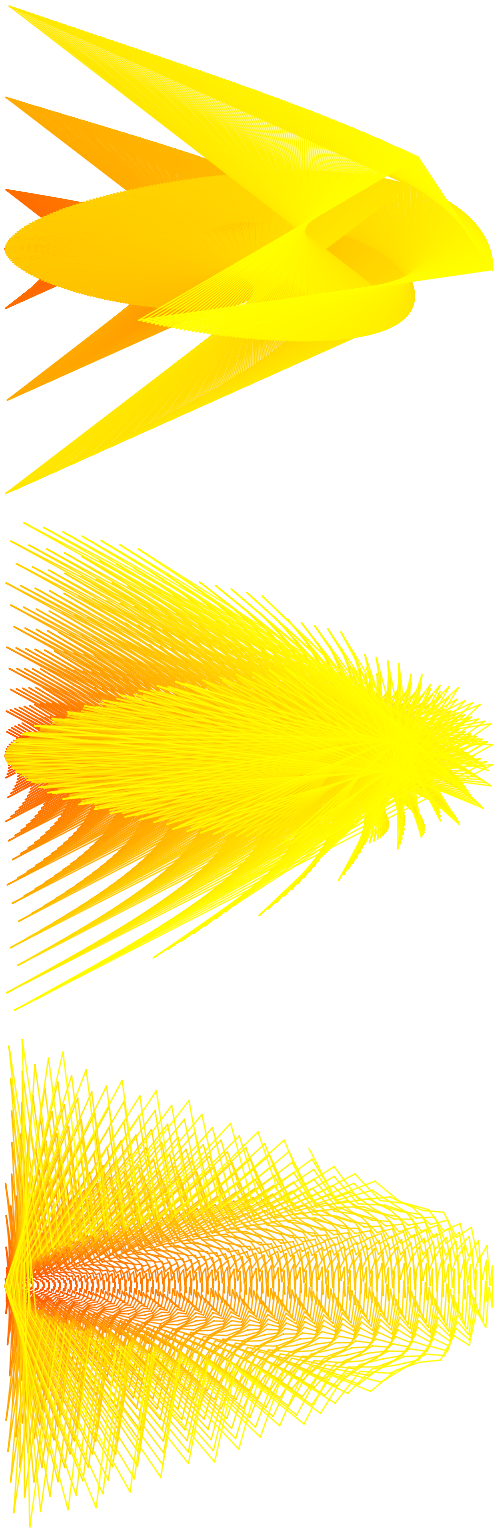
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Triangle fantasies

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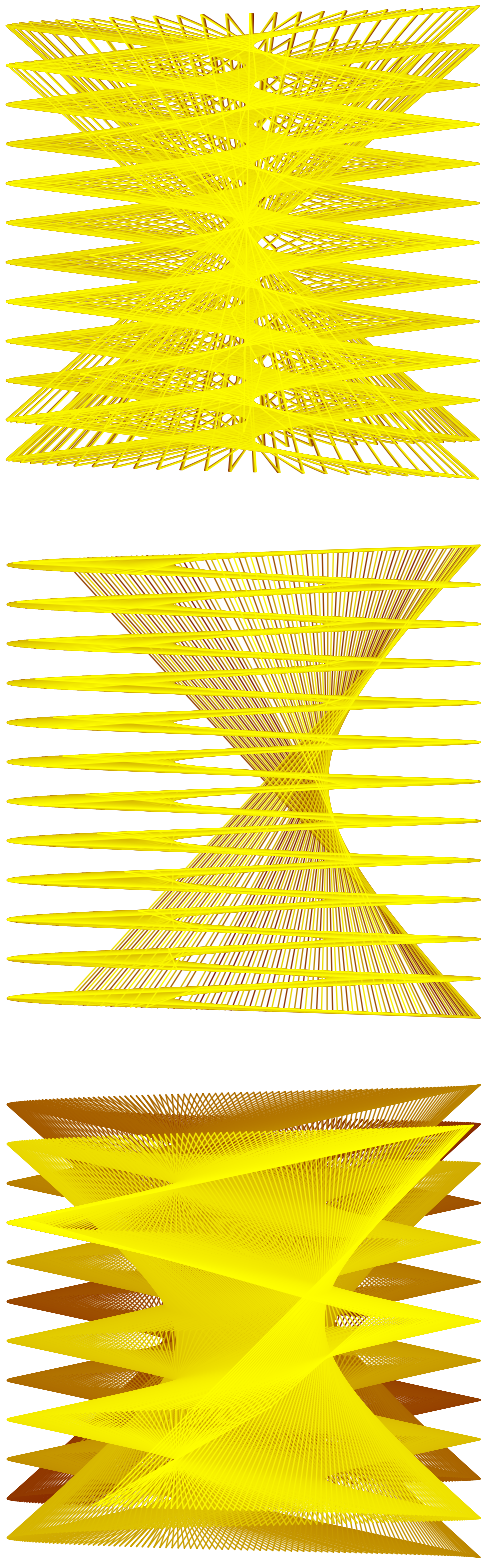
Entrance into the hyperspace

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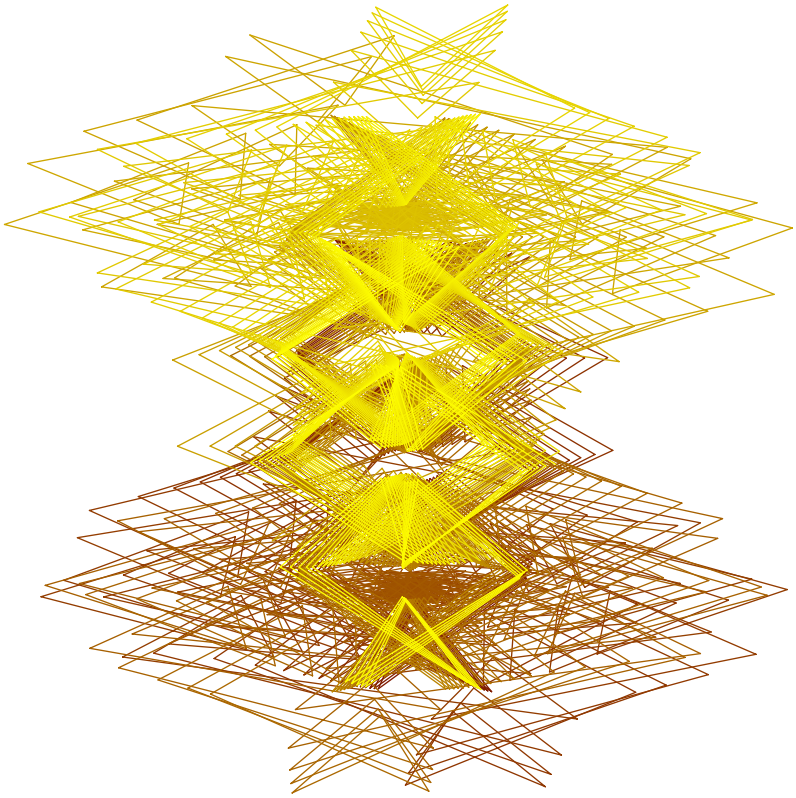
Harbinger of spring

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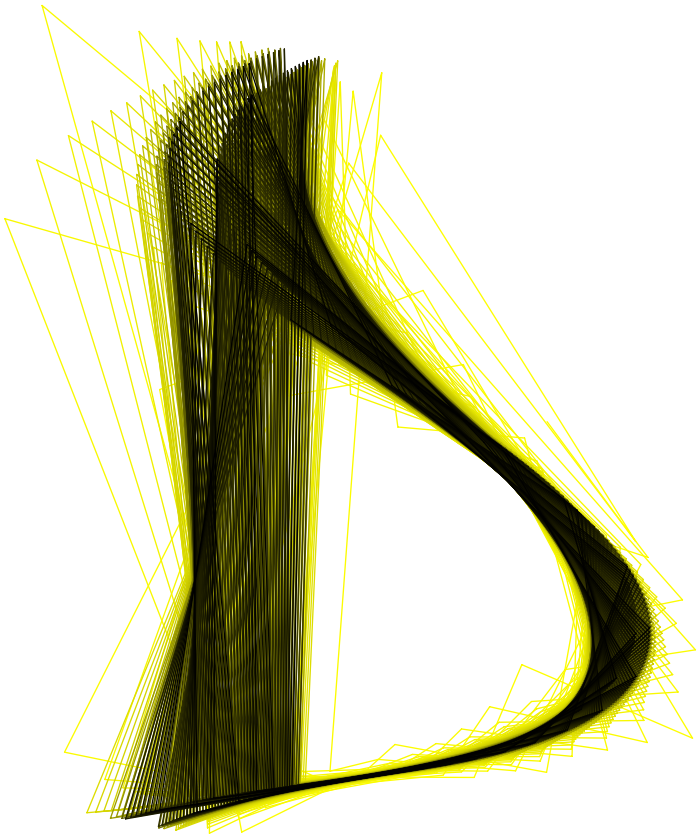
Stripes of electric charges in superconductors

Signa in silico 2002



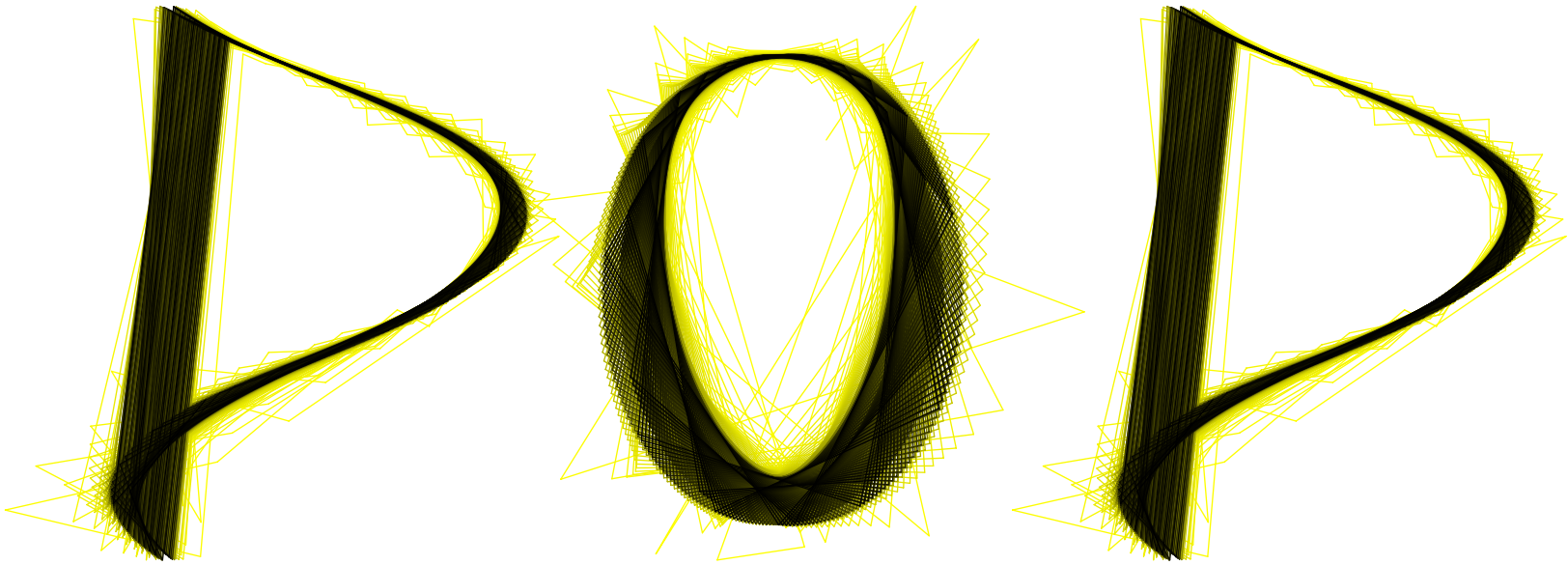
Balancing

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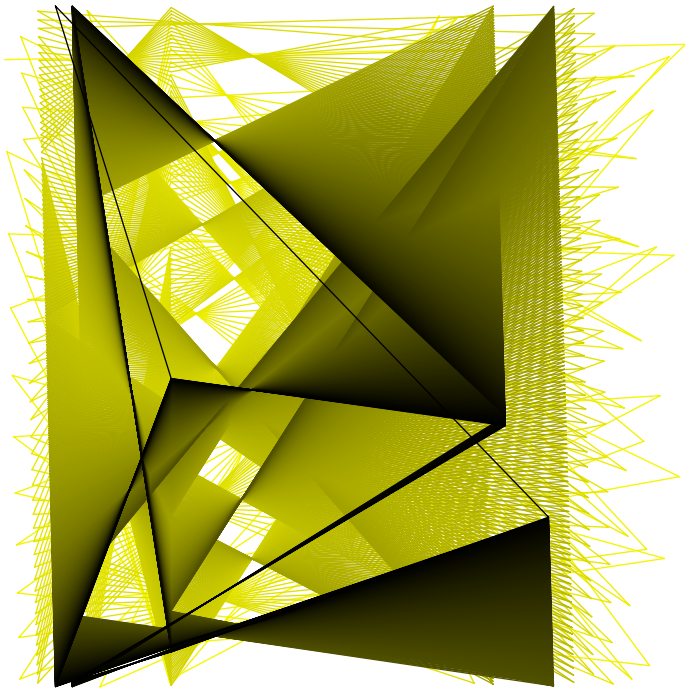
Initial ƀ

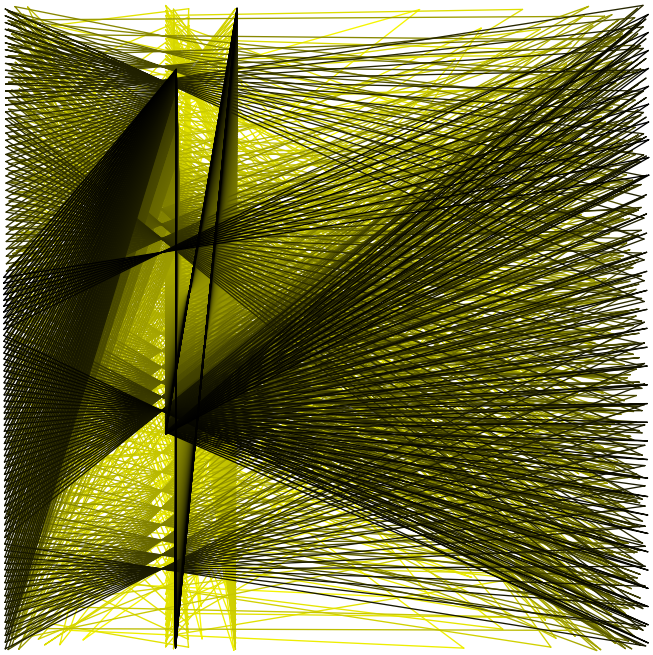
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Initials

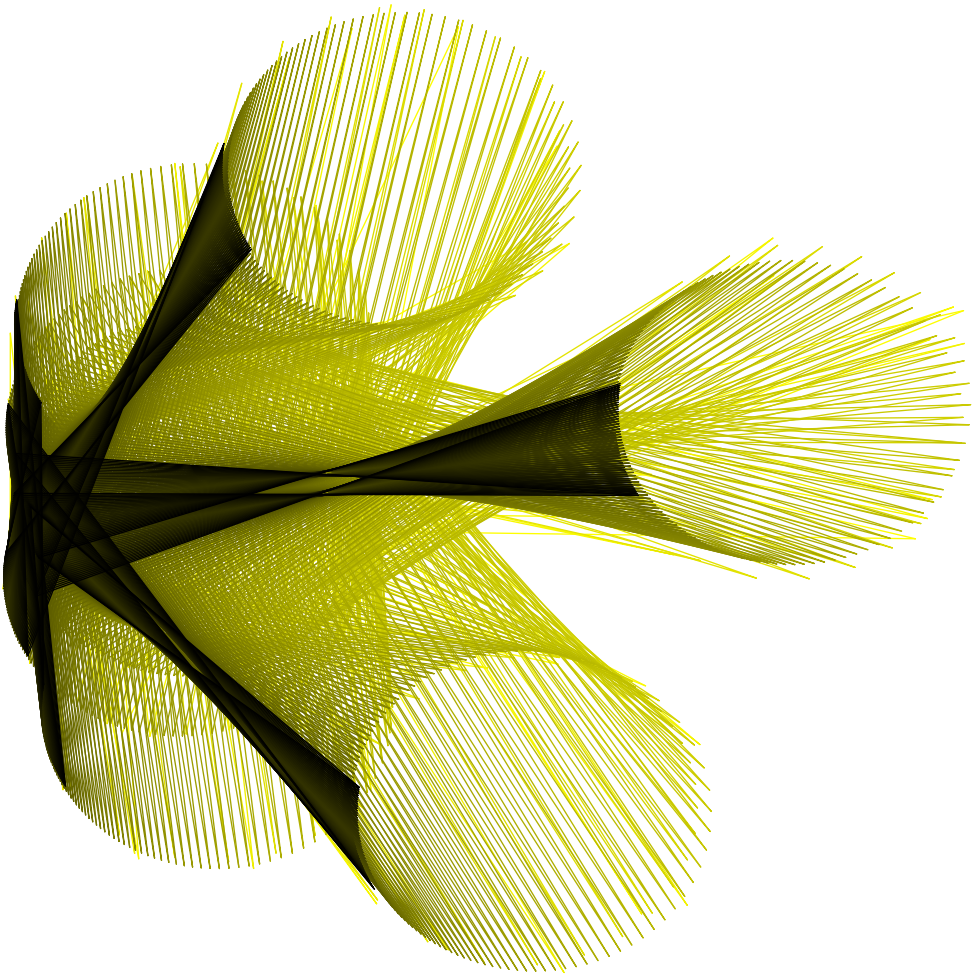
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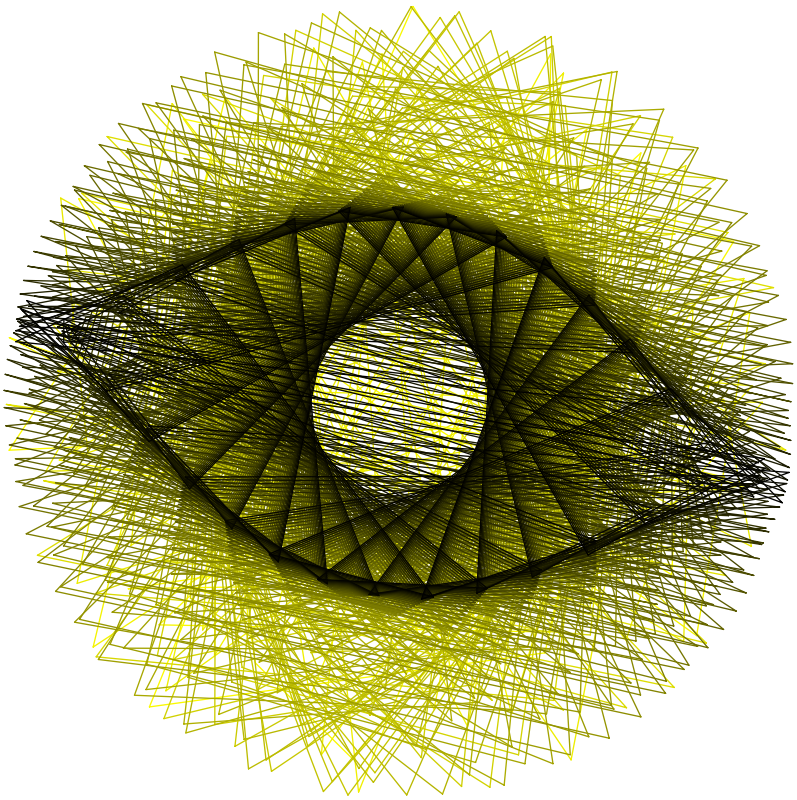
Neural nets

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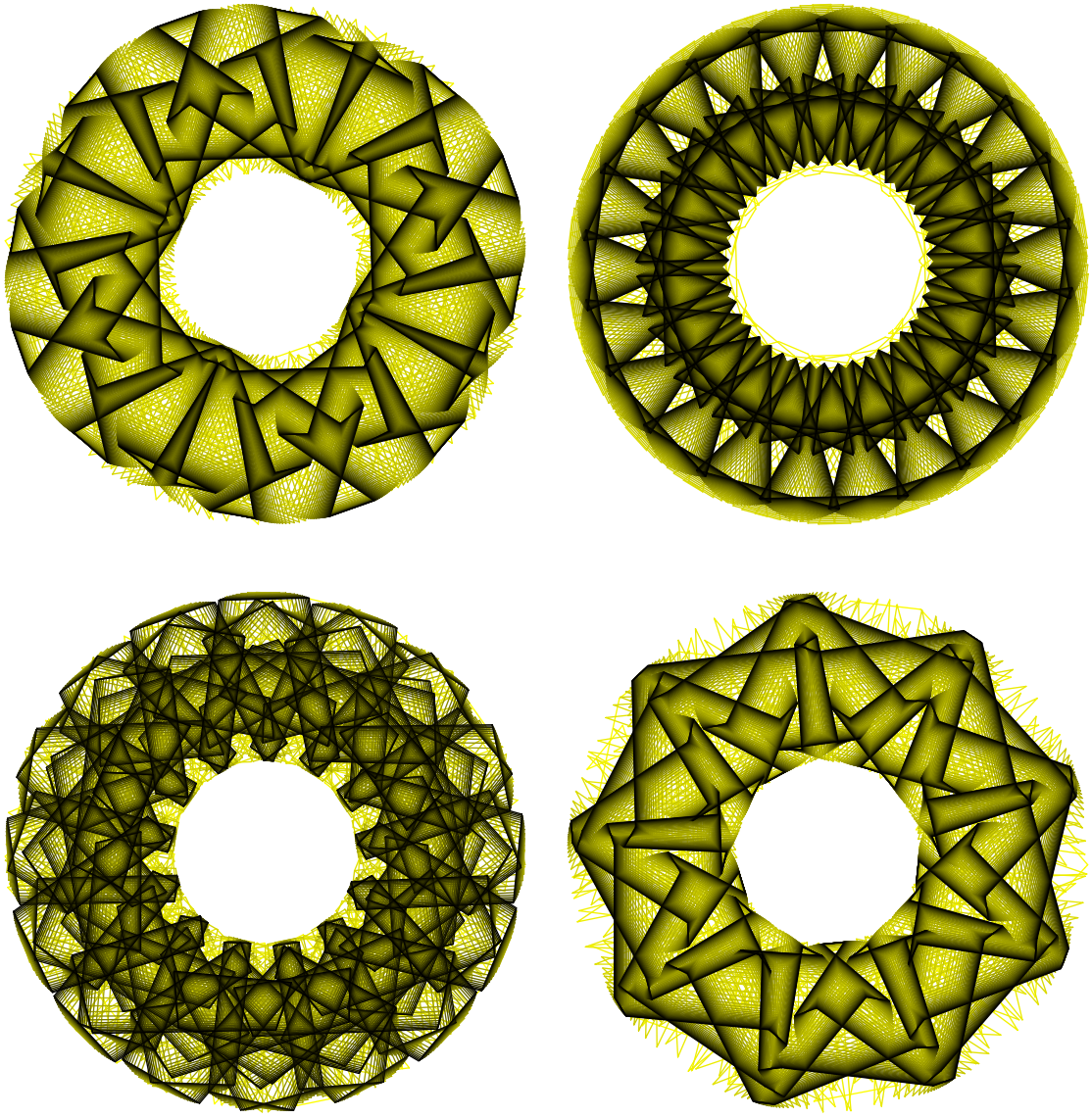
Jet propulsion

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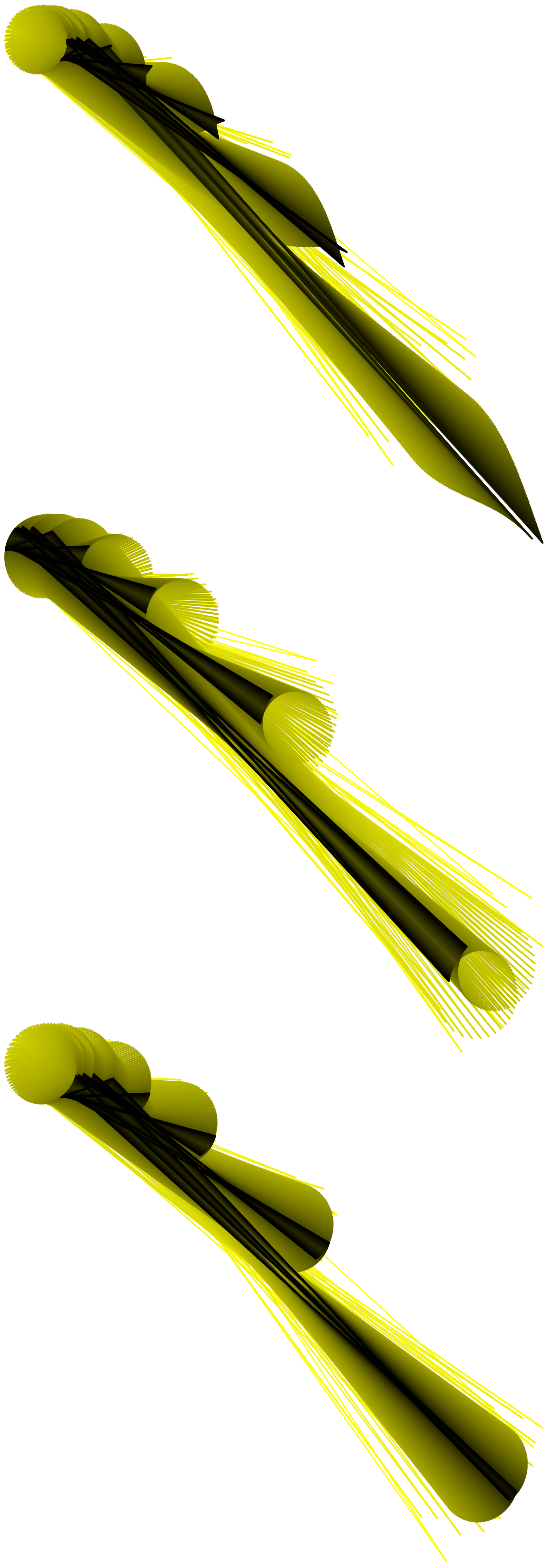
Eye of Horus

Signa in silico 2002



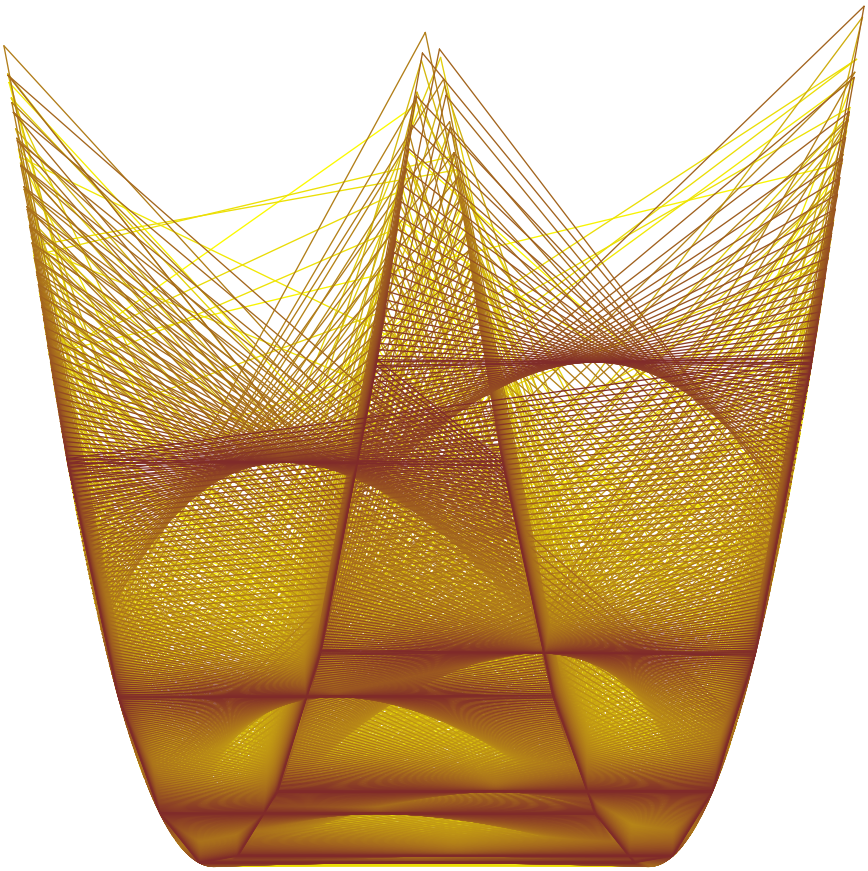
Fantasy accessories III

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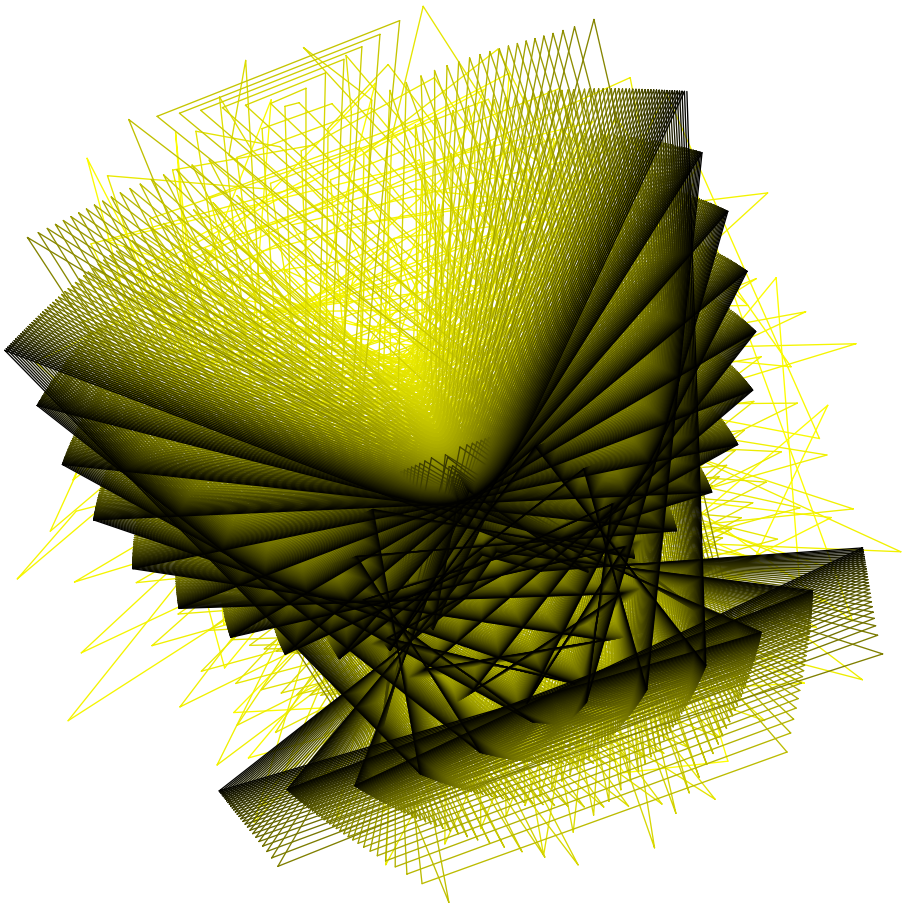
Boschian picture elements

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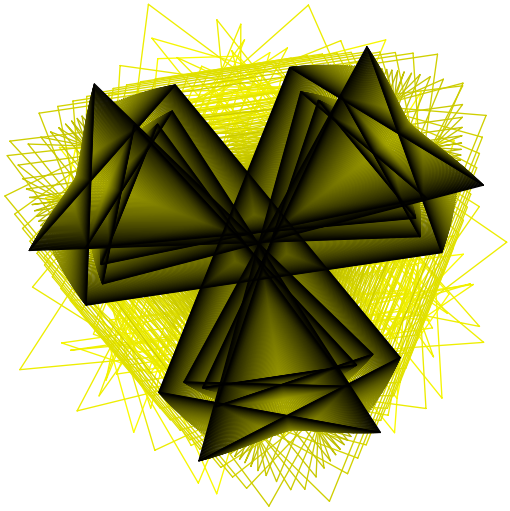
Vulcan scenery

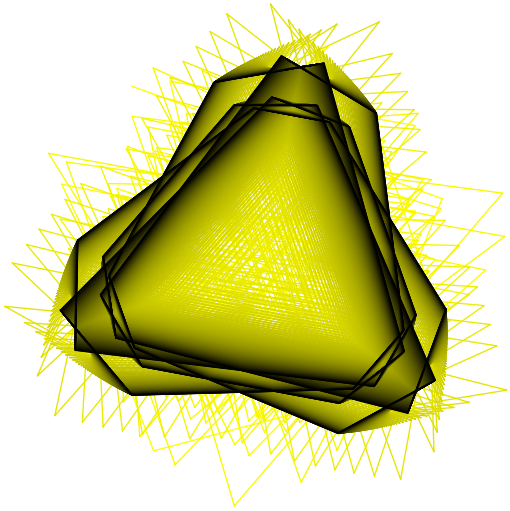
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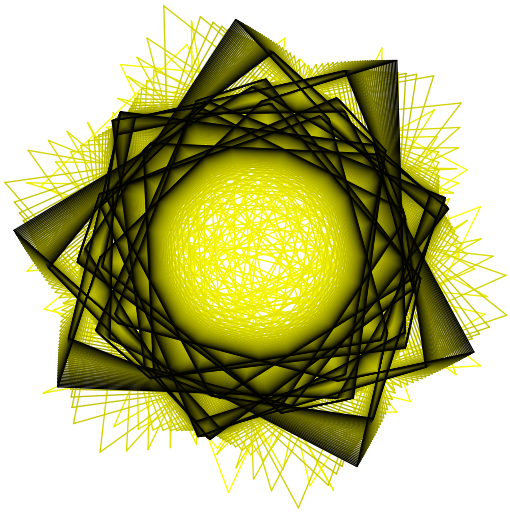


On the air

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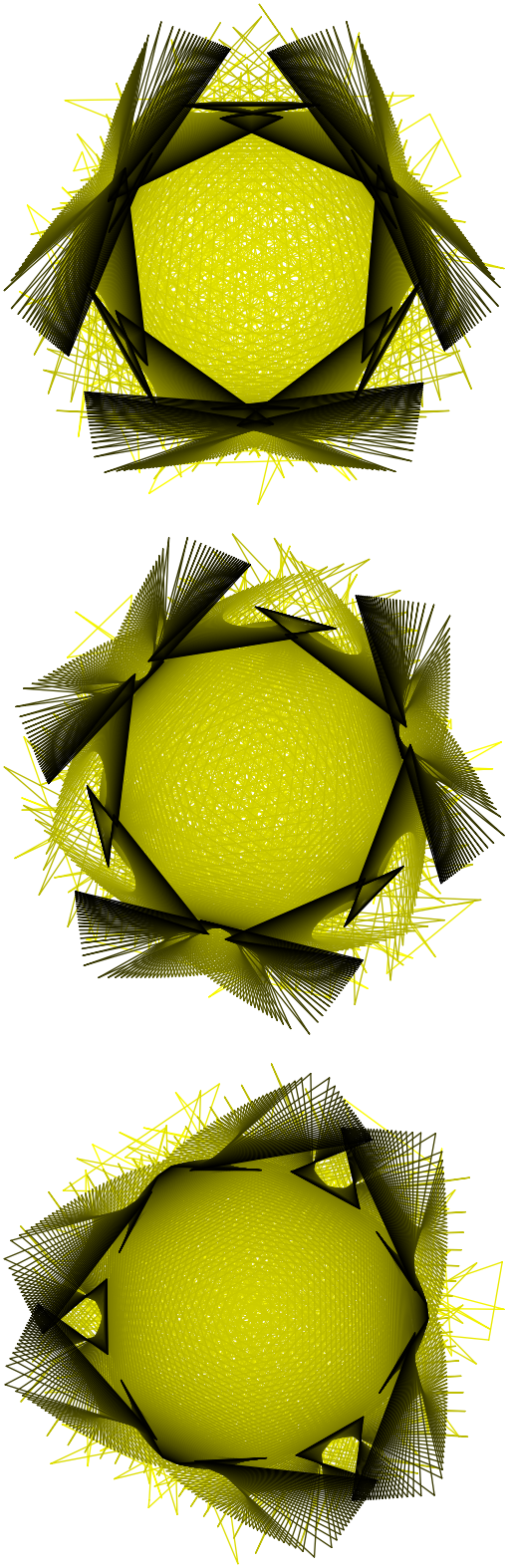






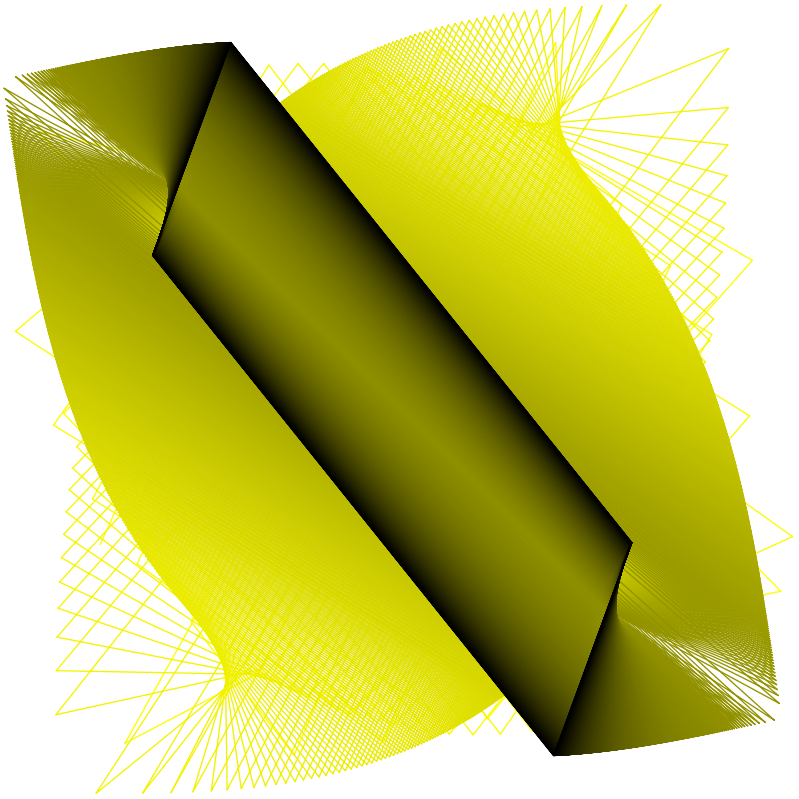
Triscaling ornaments

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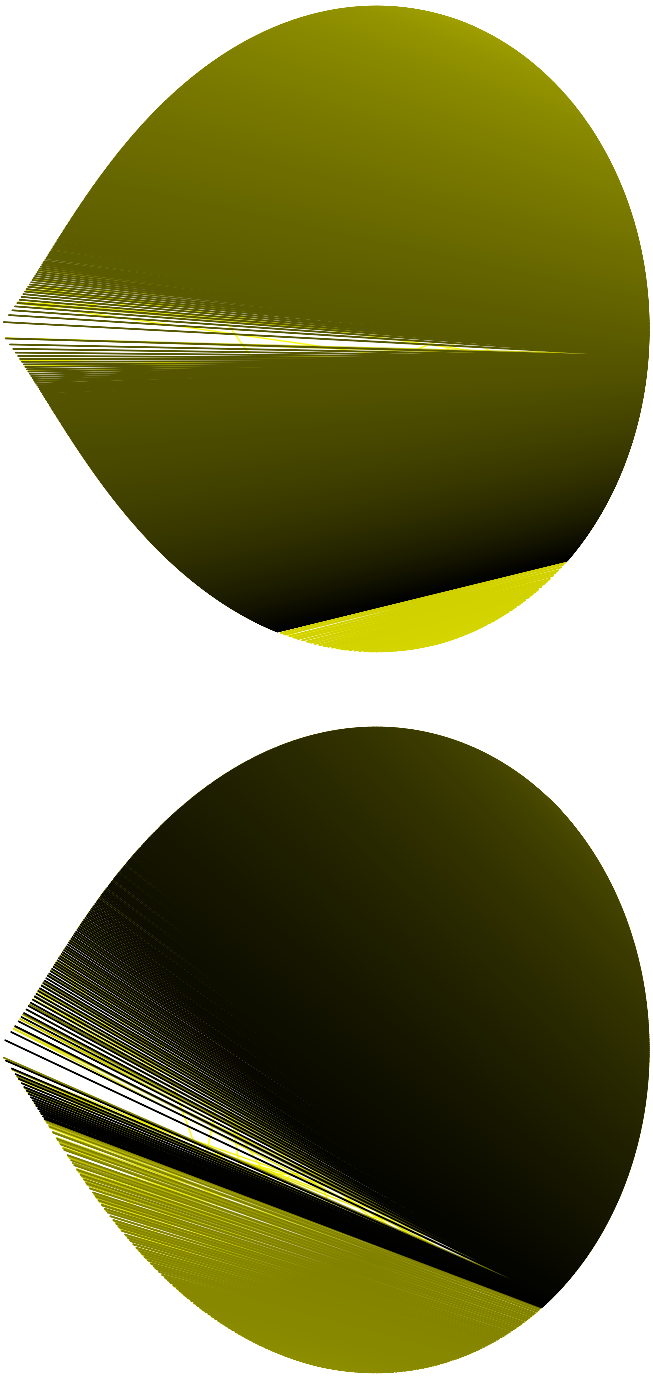
Triscaling ornaments

Signa in silico 2002



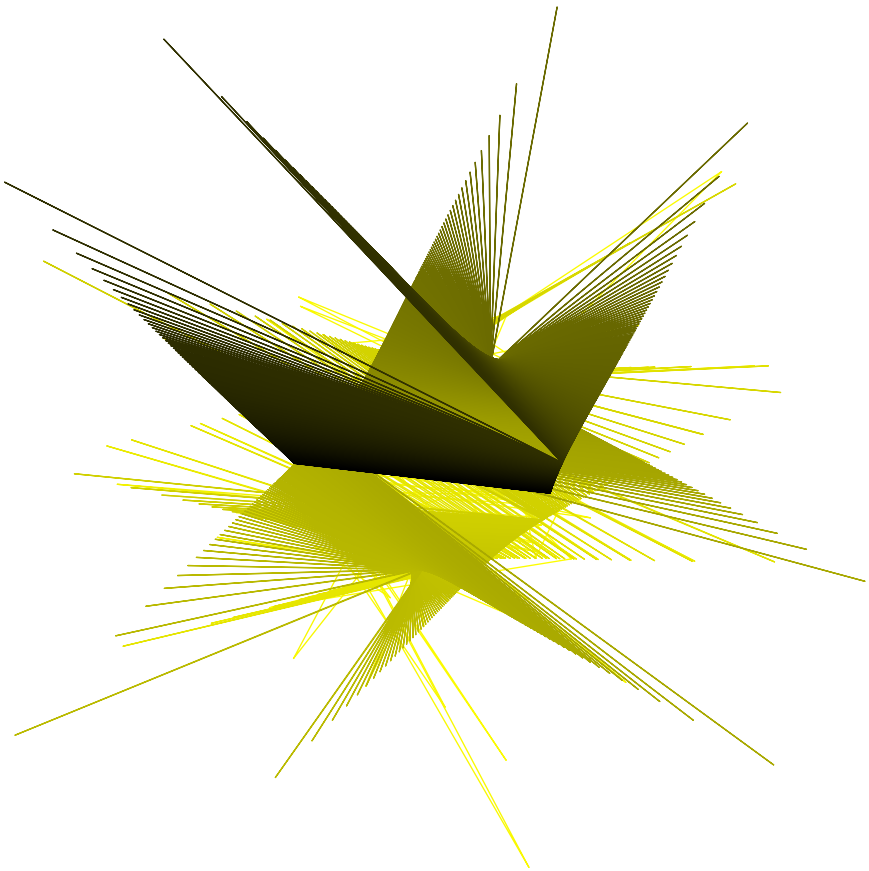
Initial N

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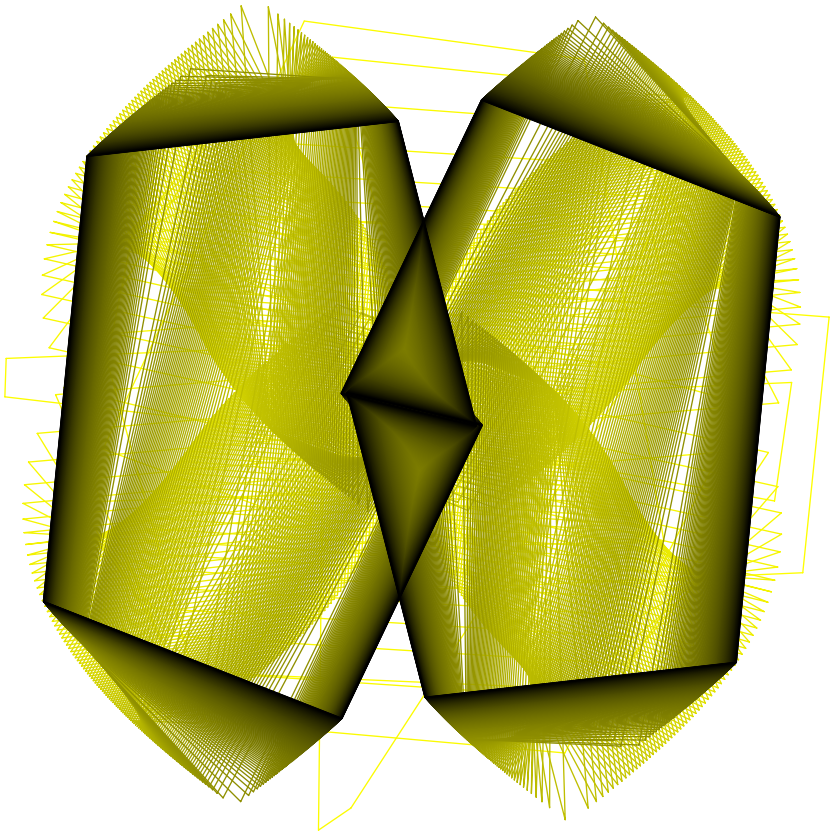
Forward, upward

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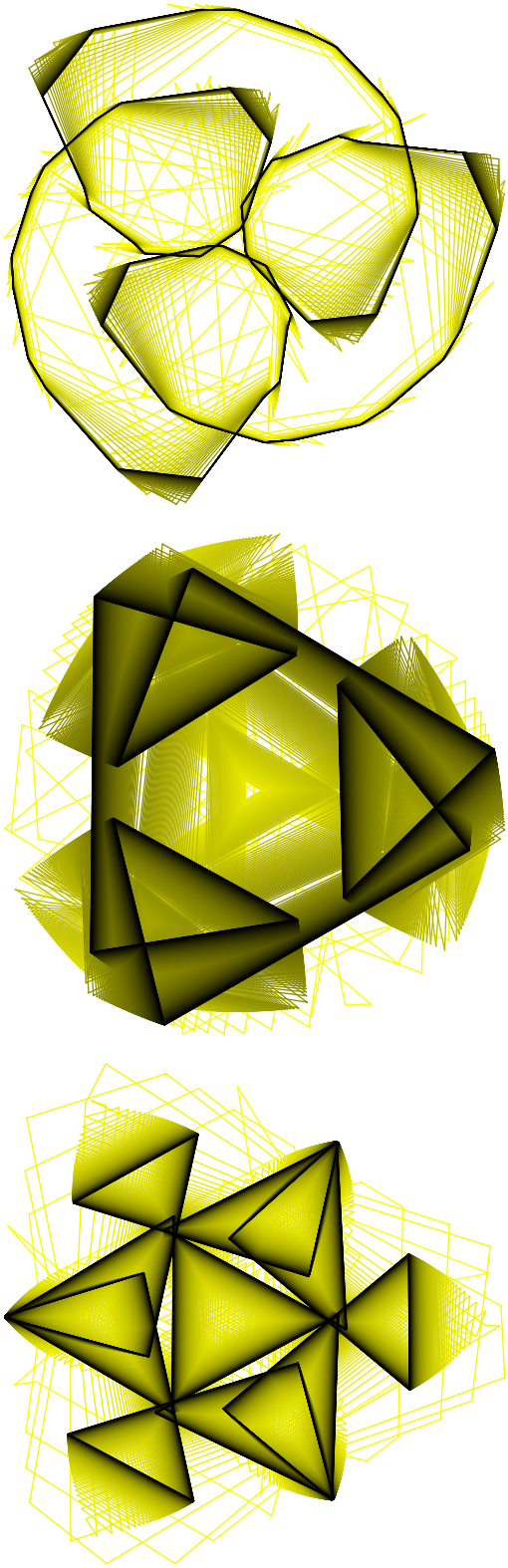
Maurice Ravel. Une barque sur l'océan

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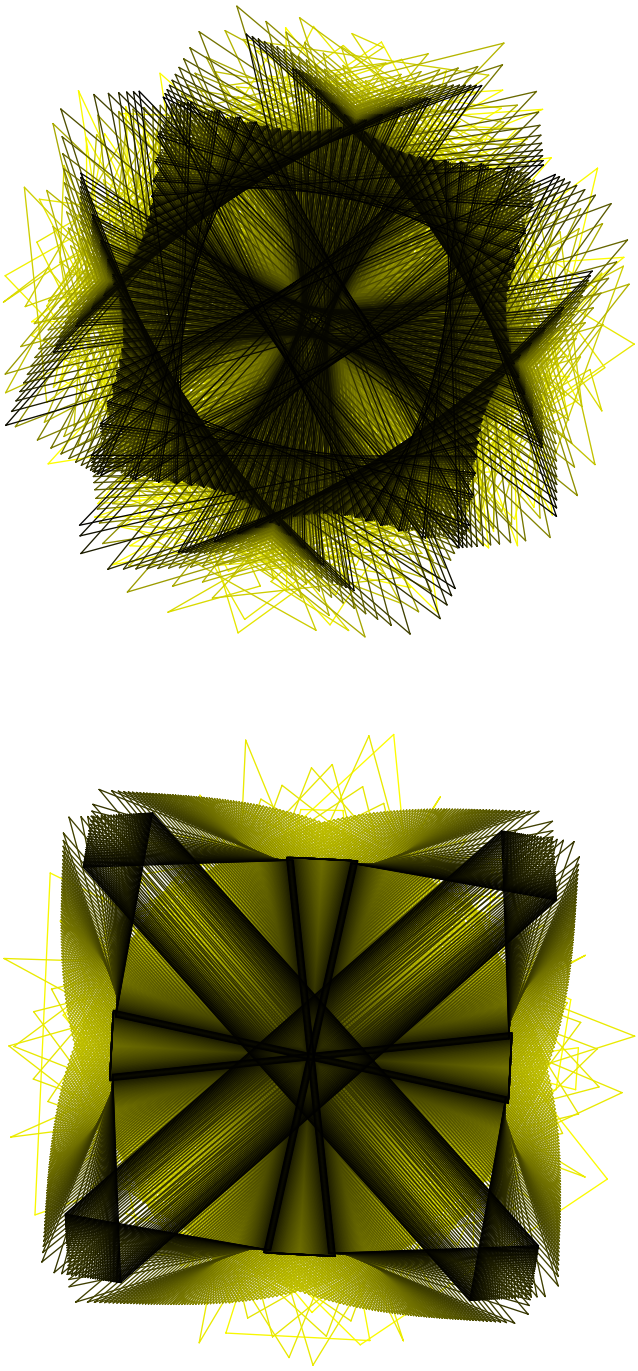
Initial

Signa in silico 2002



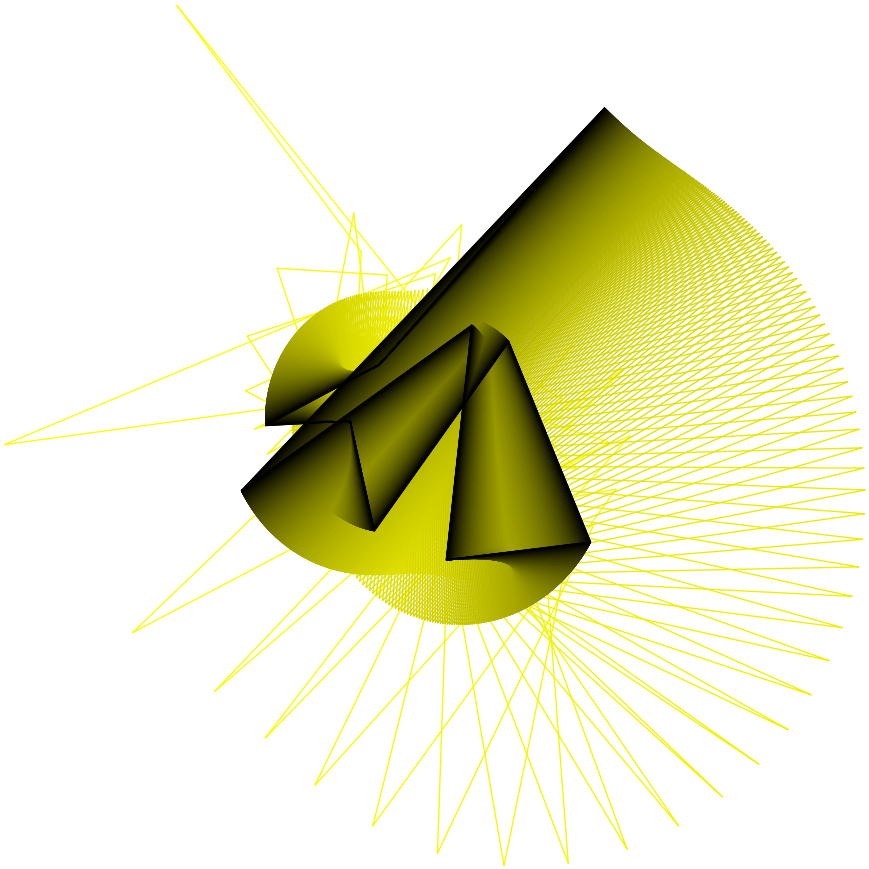
Trifurcation

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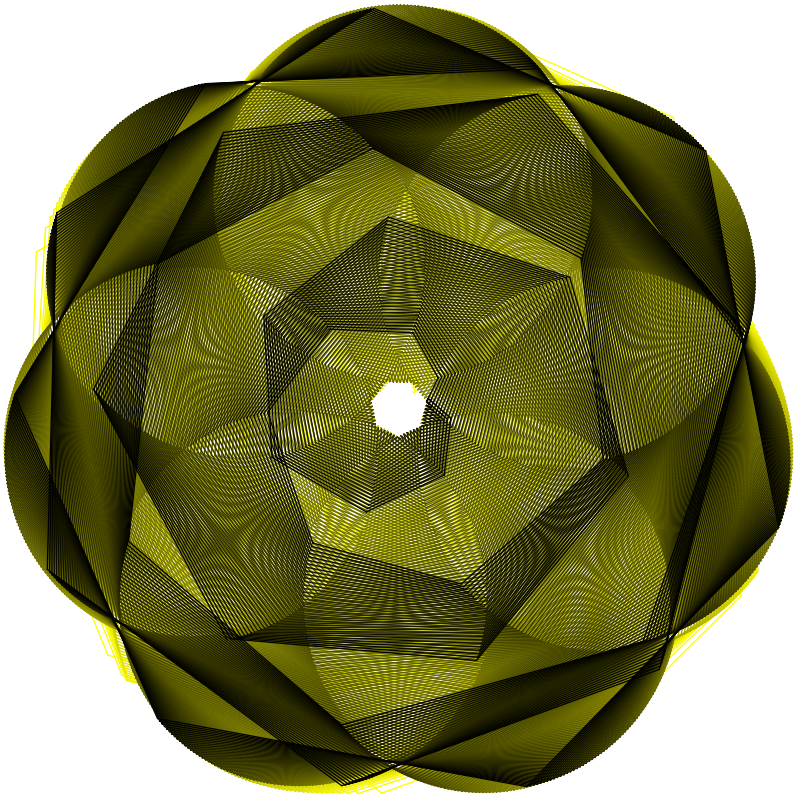
Double cross

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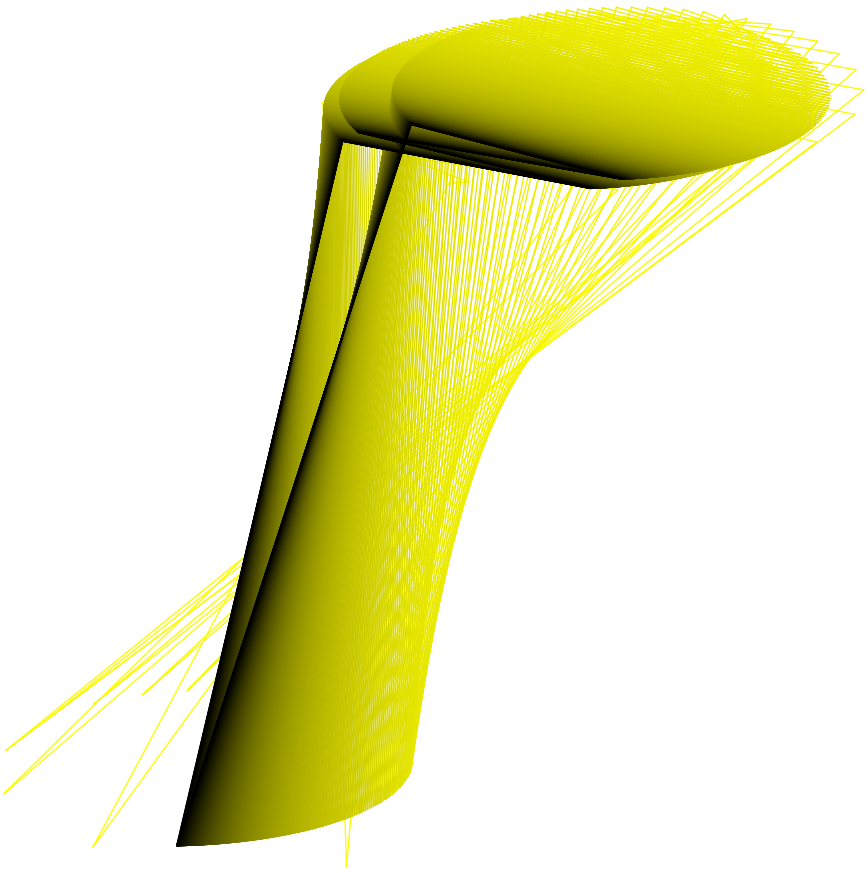
Rolled up

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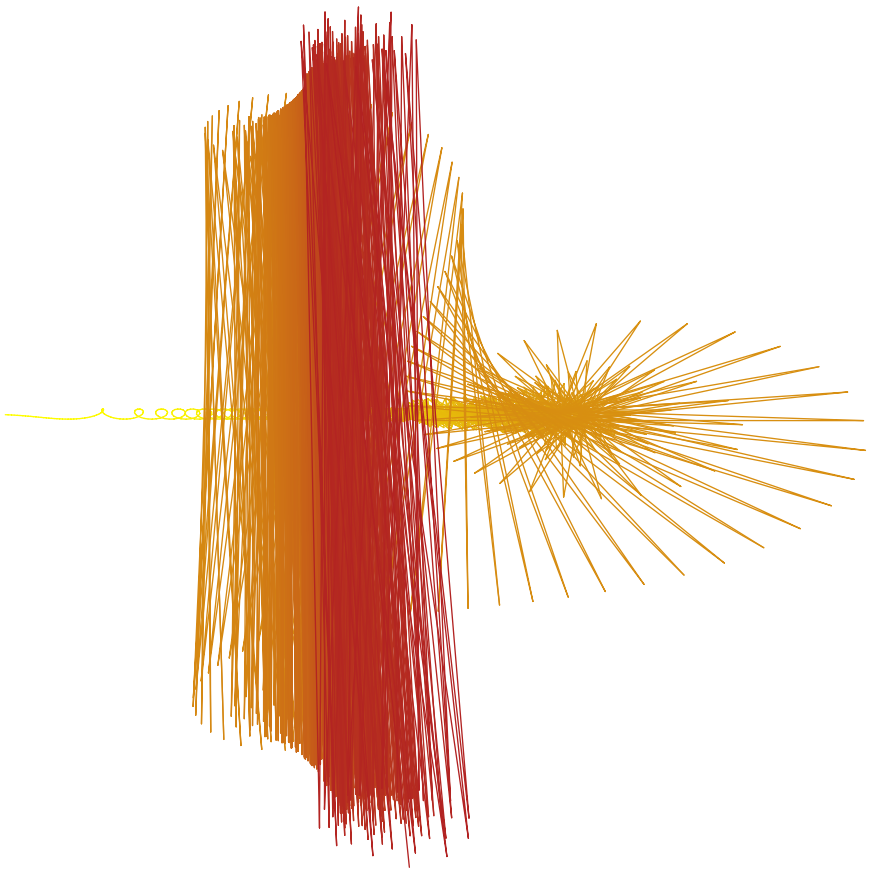
Psychokinesis

Signa in silico 2001



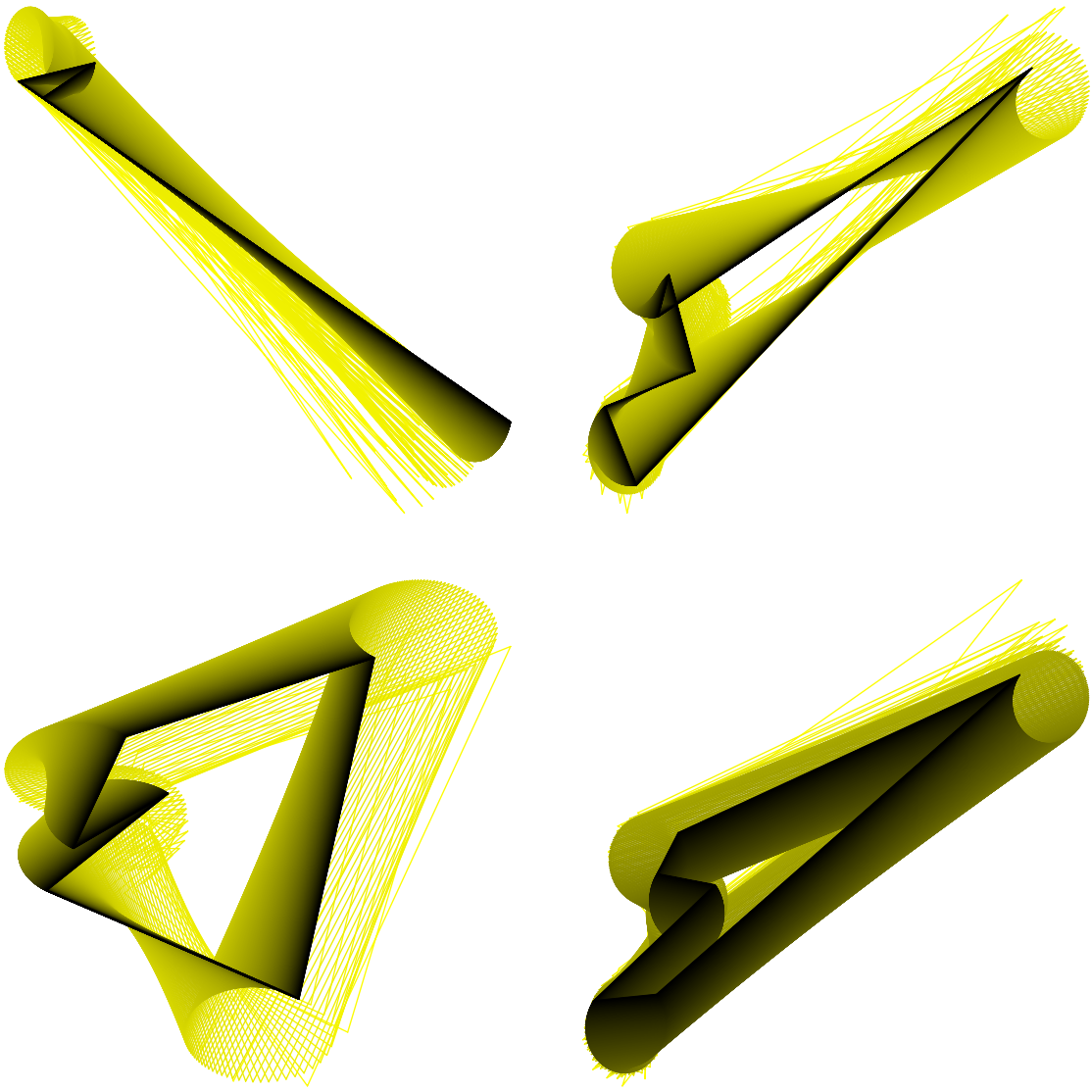
Phillipe Starck

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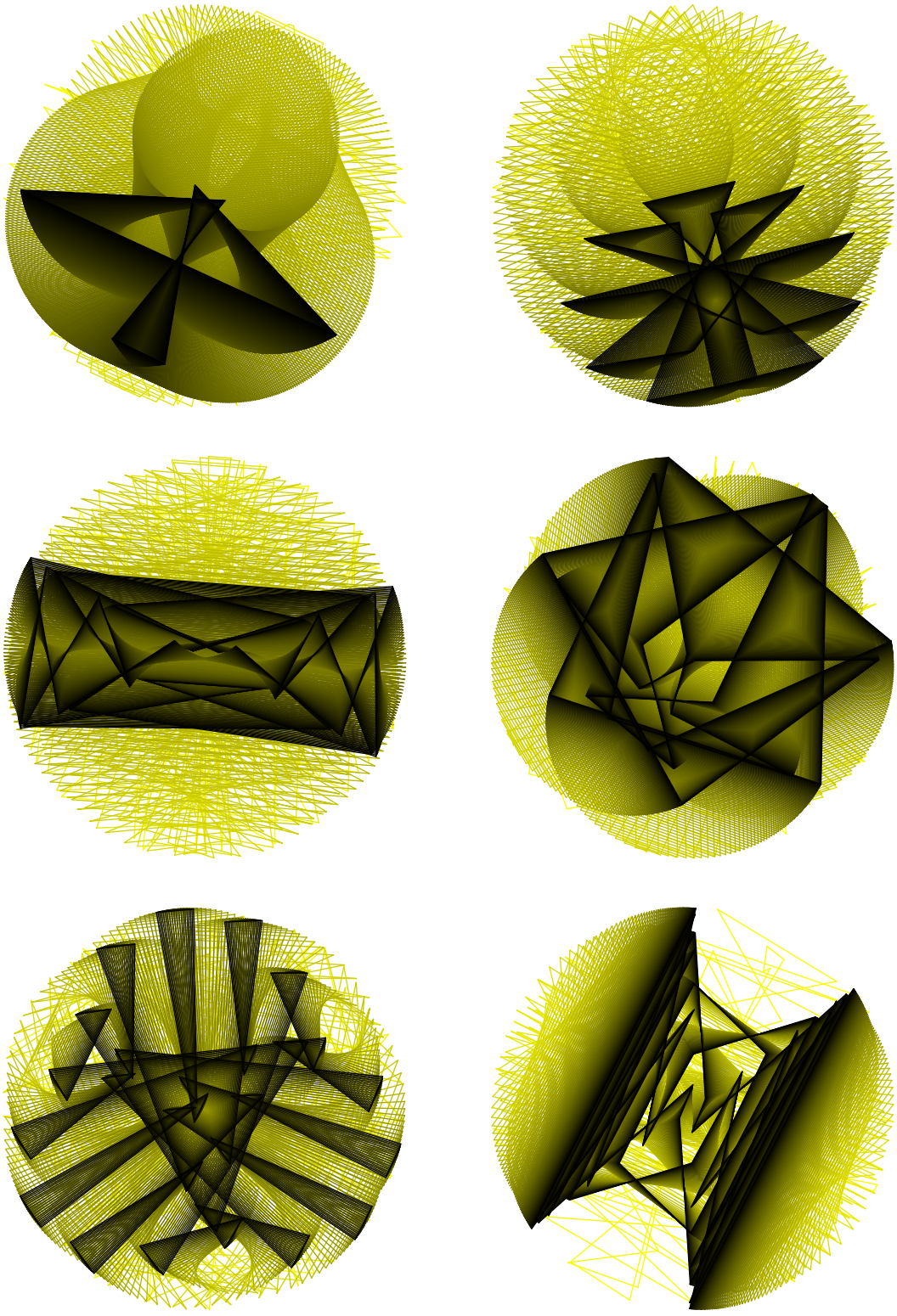
Serpula lacrymans on tour

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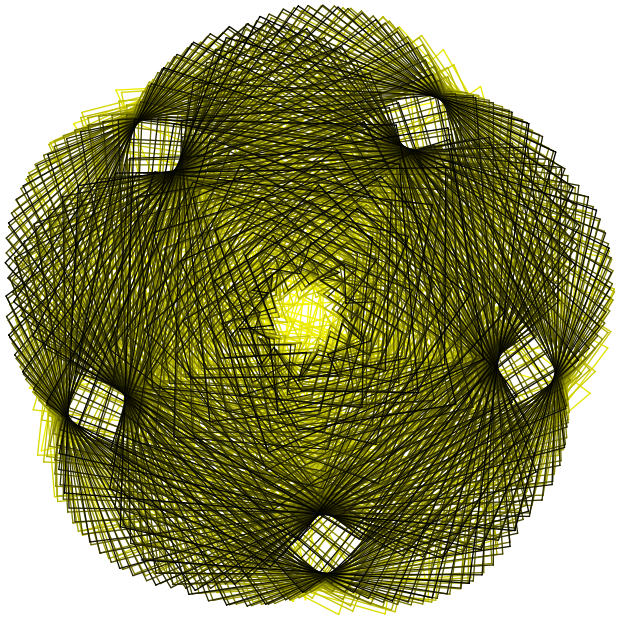
Entangled scrolls

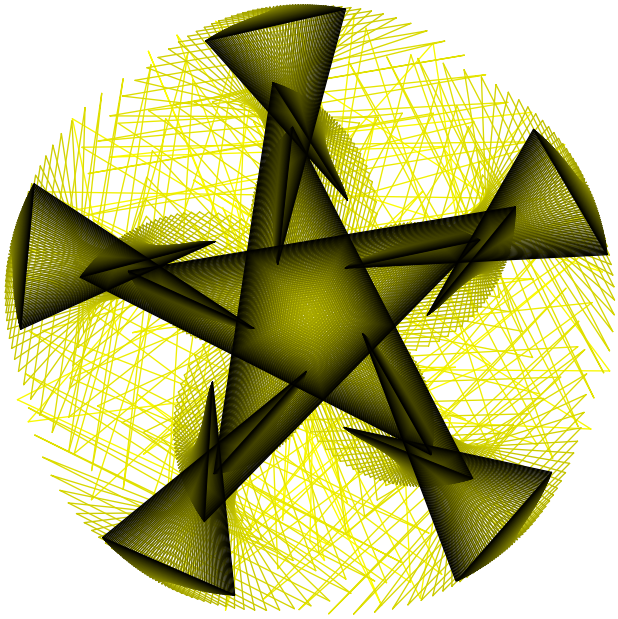
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A dream: gravotronic components

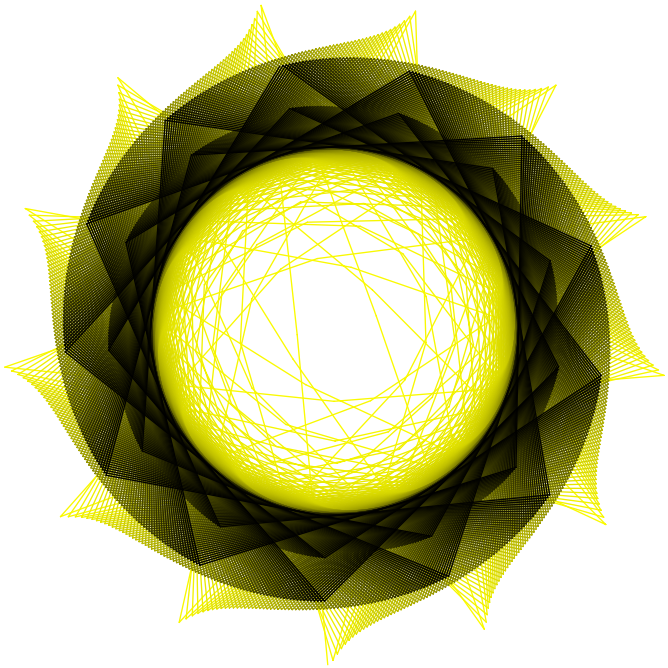
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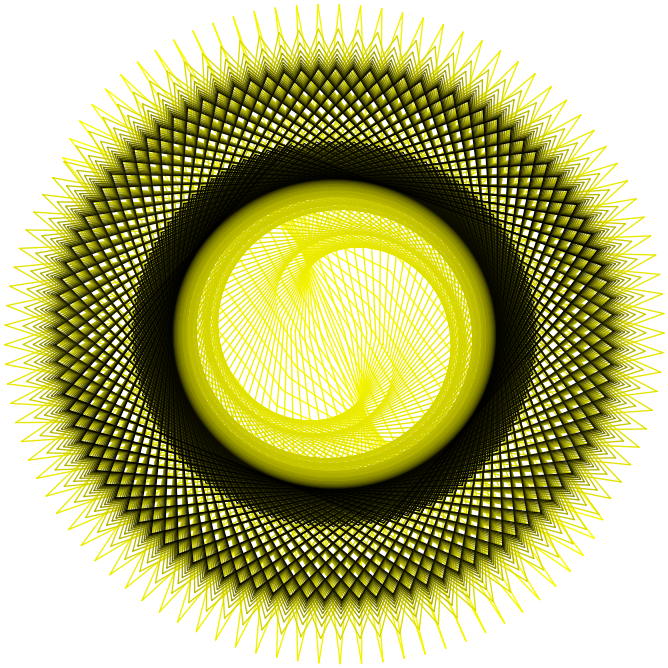




Quantum mechanics: hidden parameters exist

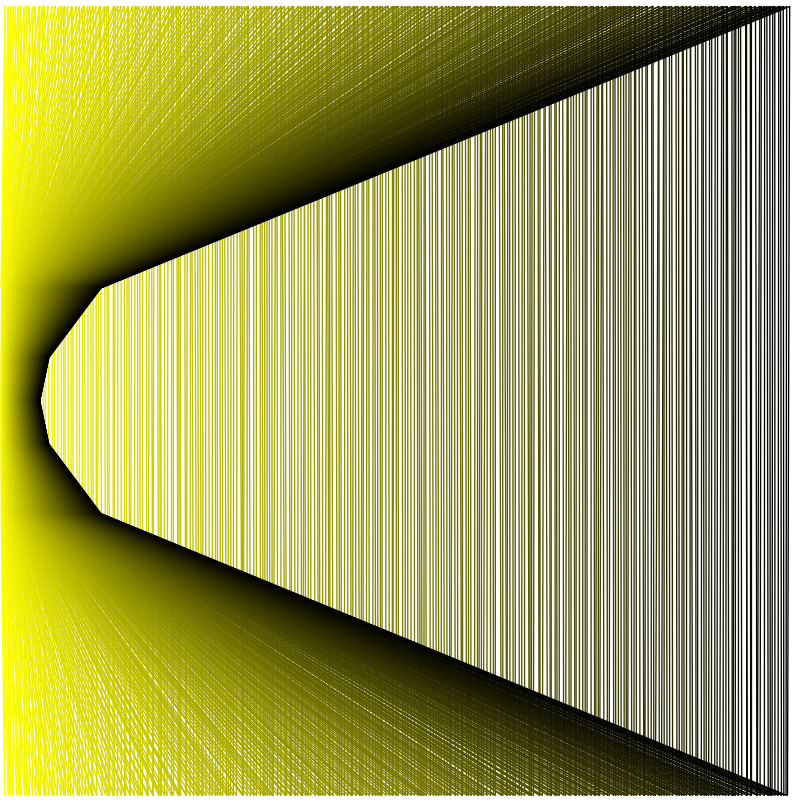
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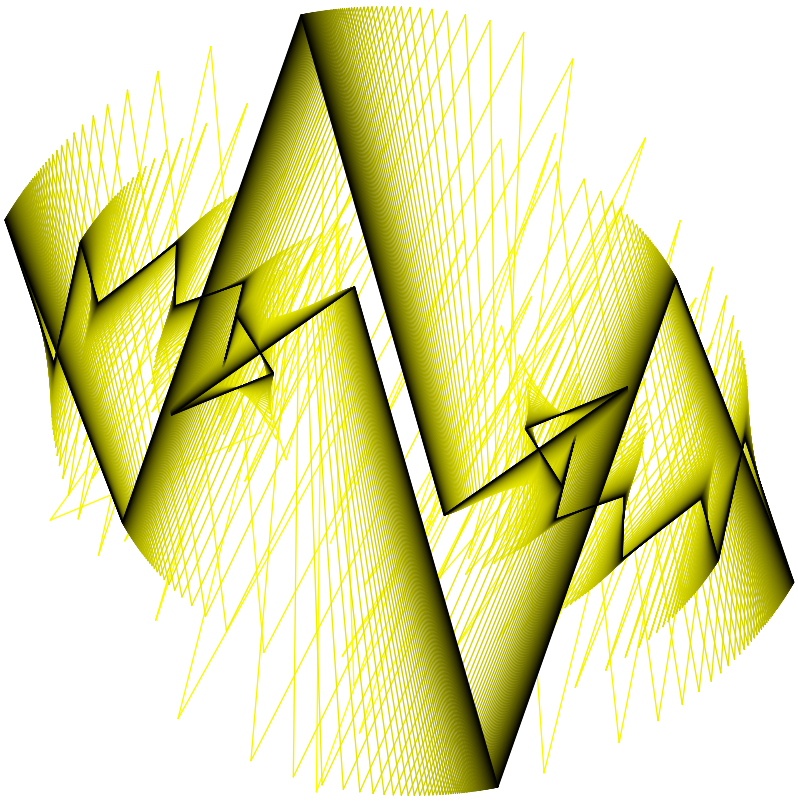
Structur formation algorithms build a bridge between aesthetics, science, and technology

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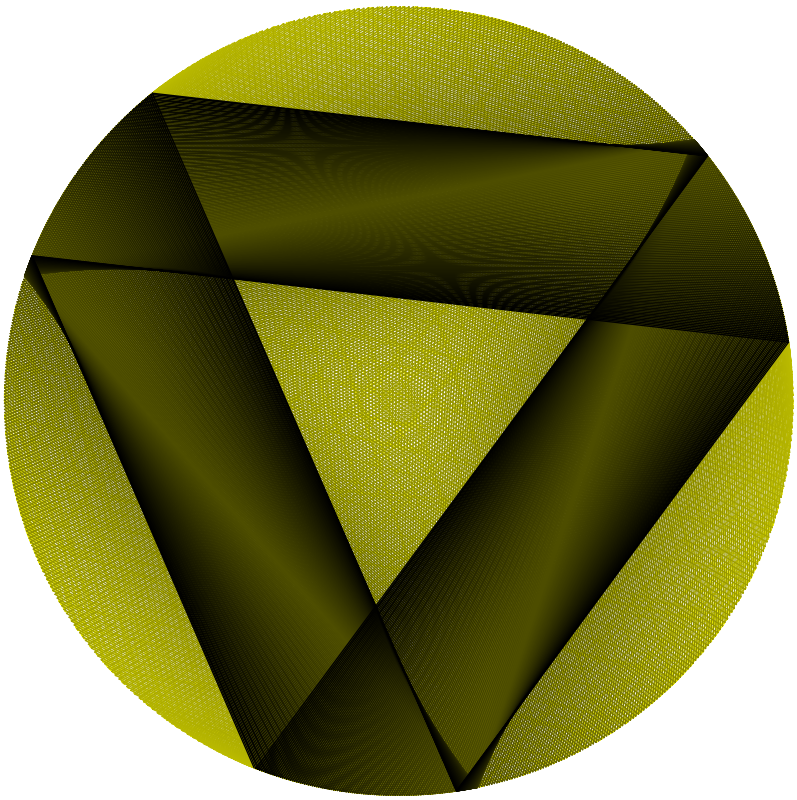
Quo vadis ?

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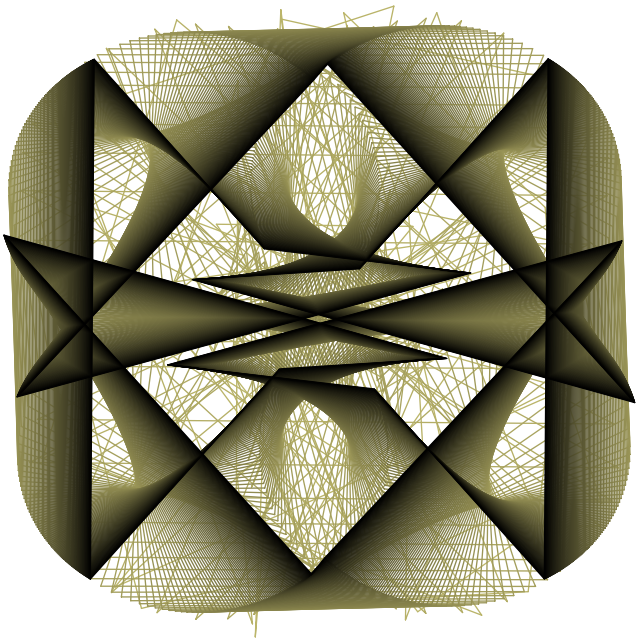
Time crack

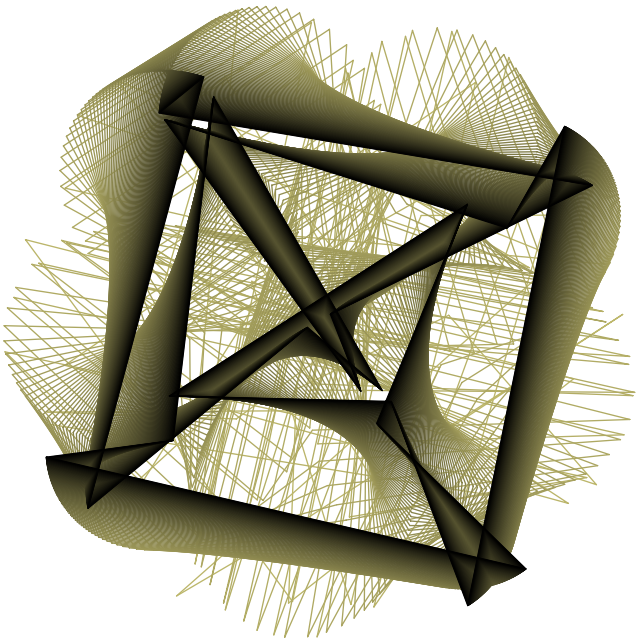
Signa in silico 2001



Gravitational anomaly

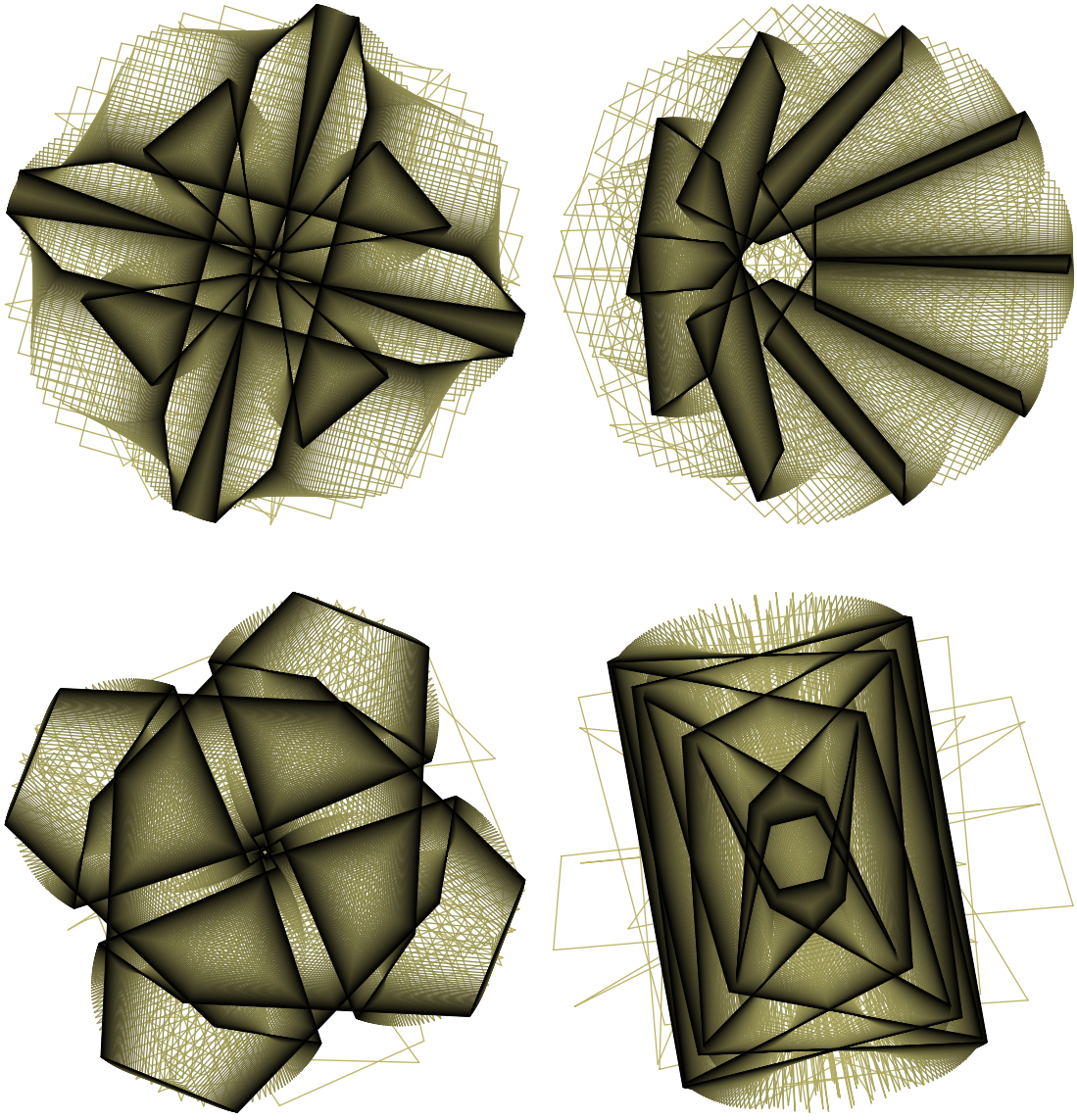
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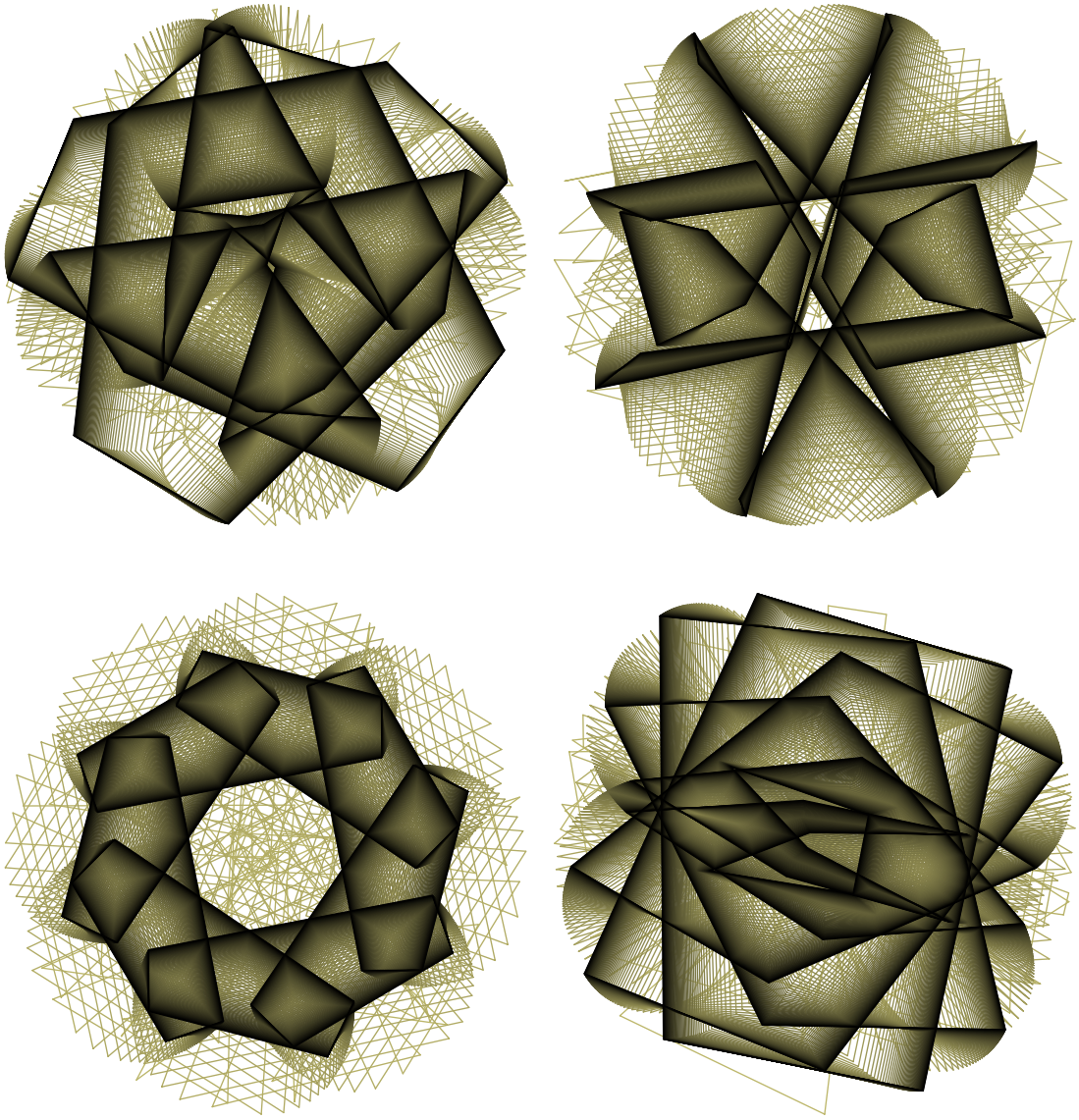
Dark dreams

Signa in silico 2001



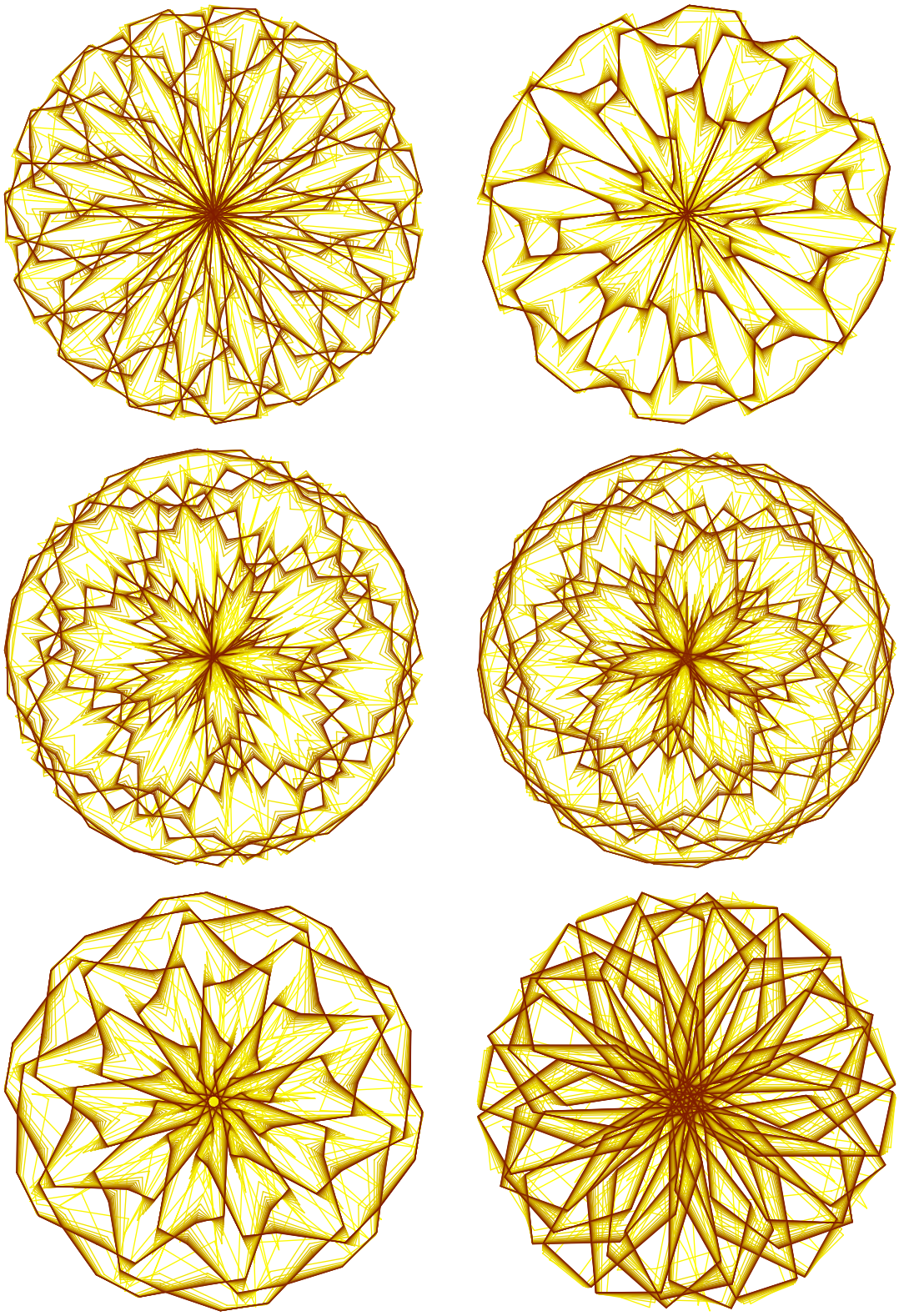
Dark dreams

Signa in silico 2001



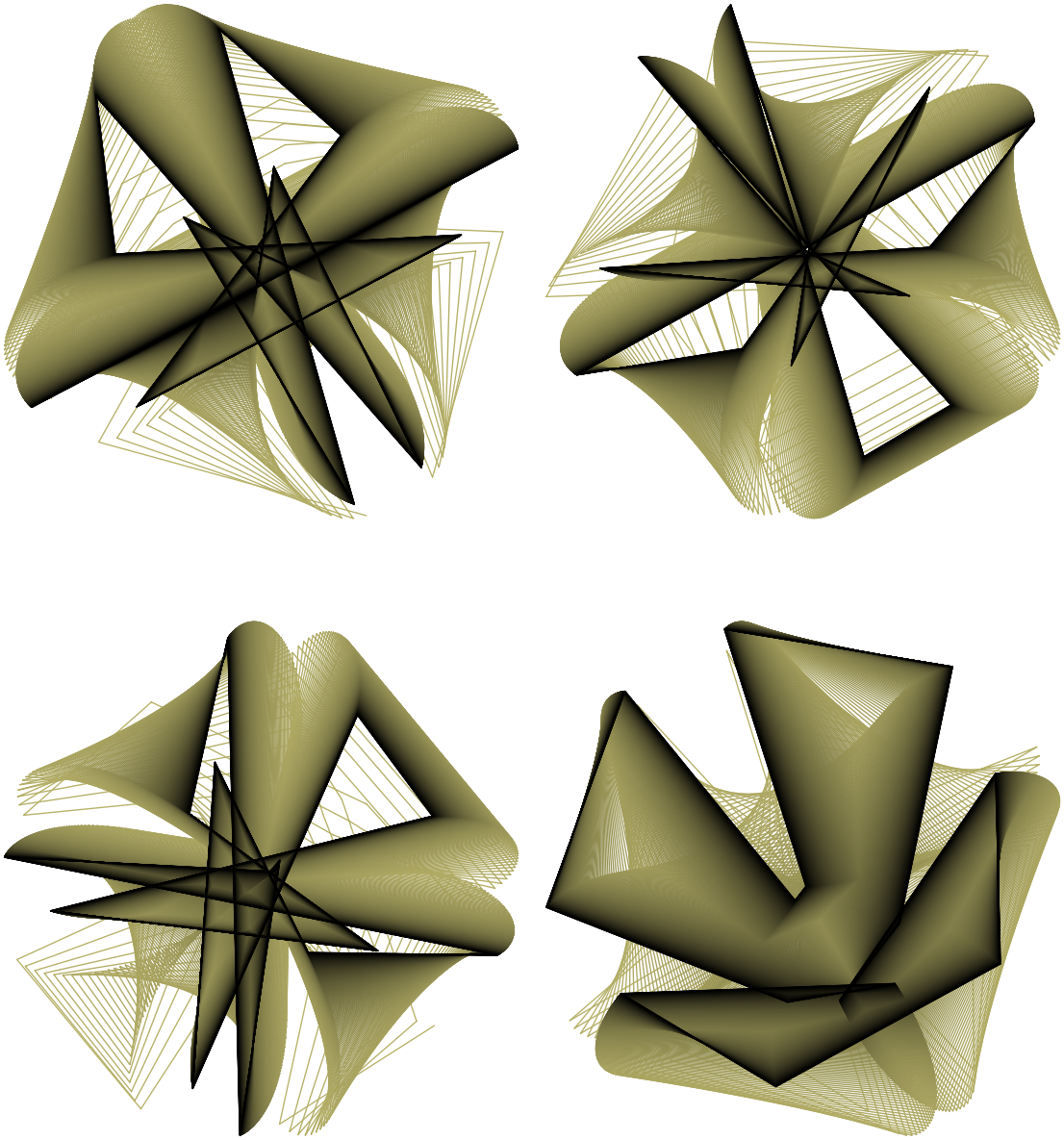
Dark dreams

Signa in silico 2001



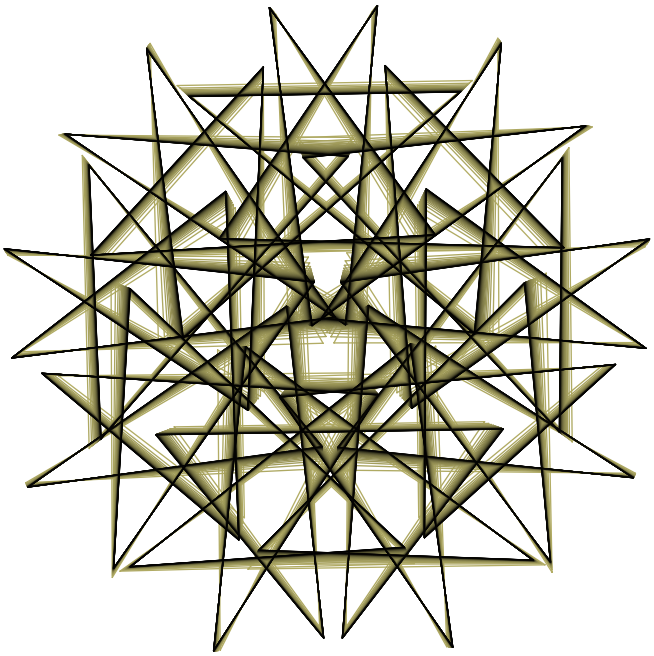
Yellow dreams

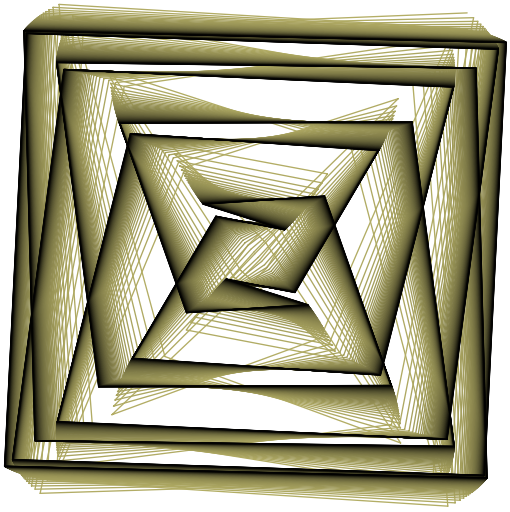
Signa in silico 2001

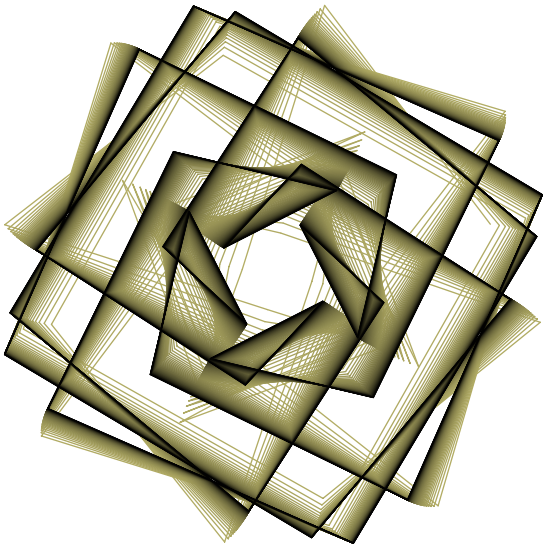


Almost symmetrical

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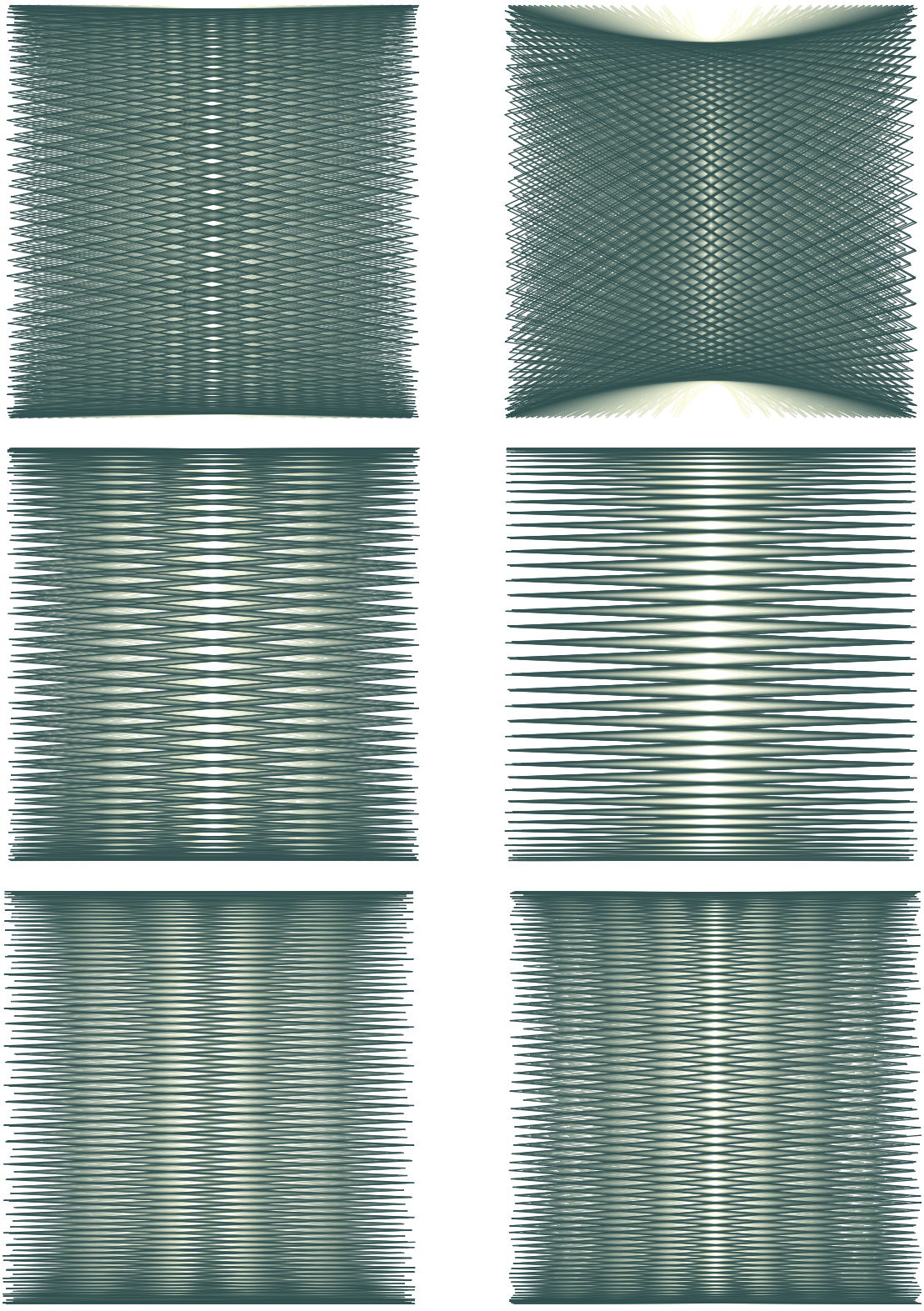






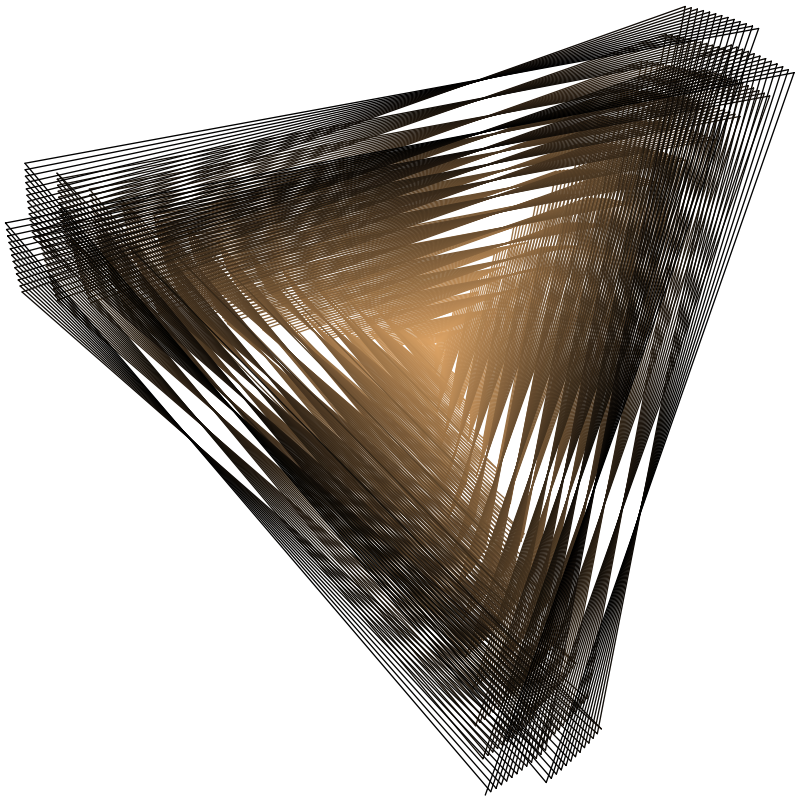
Tiahuanaco

Signa in silico 2001



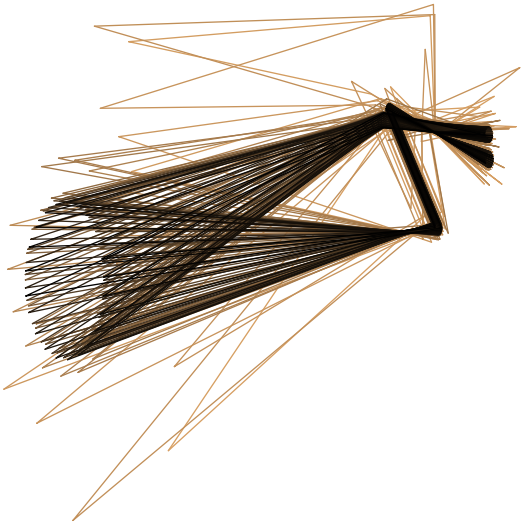
Snake's skin

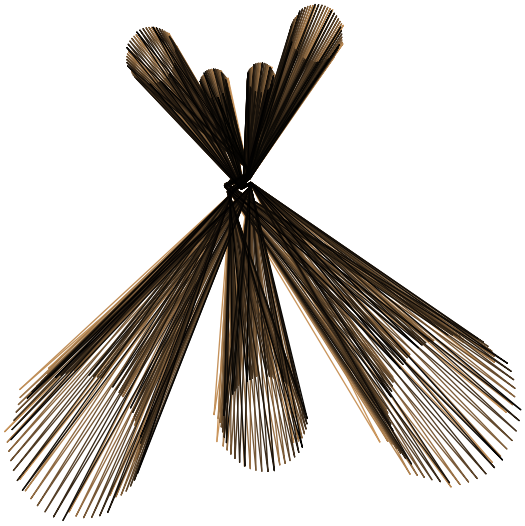
Signa in silico 2001



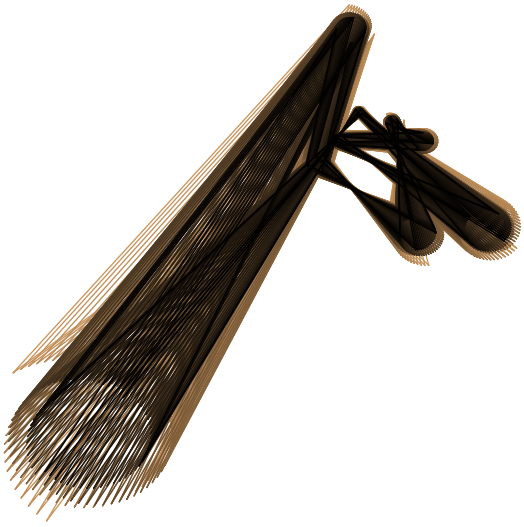
Le Sacre du printemps

Signa in silico 2001



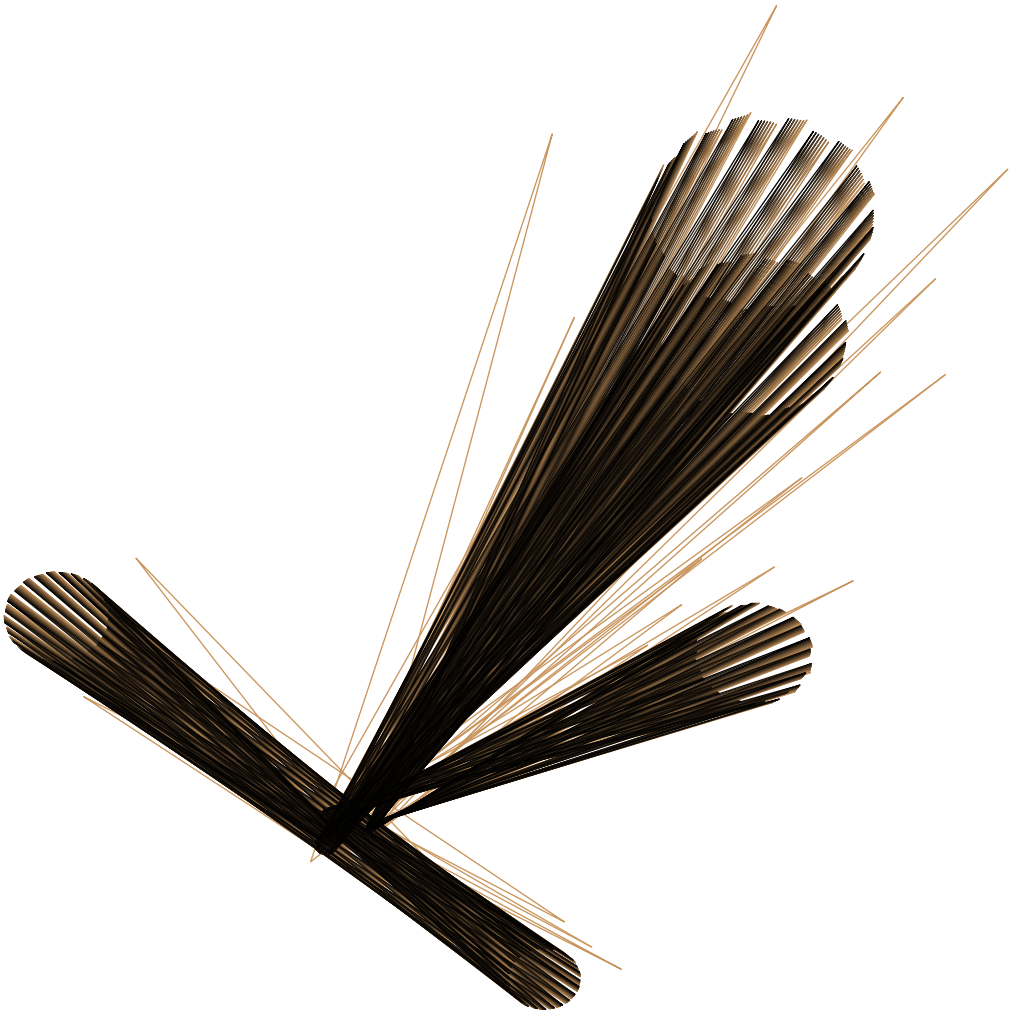






Branchings

Signa in silico 2001



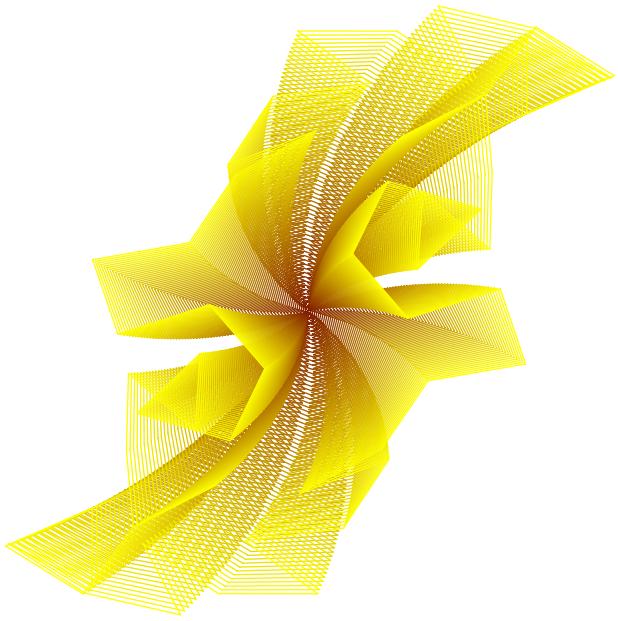
Branchings

Signa in silico 2001



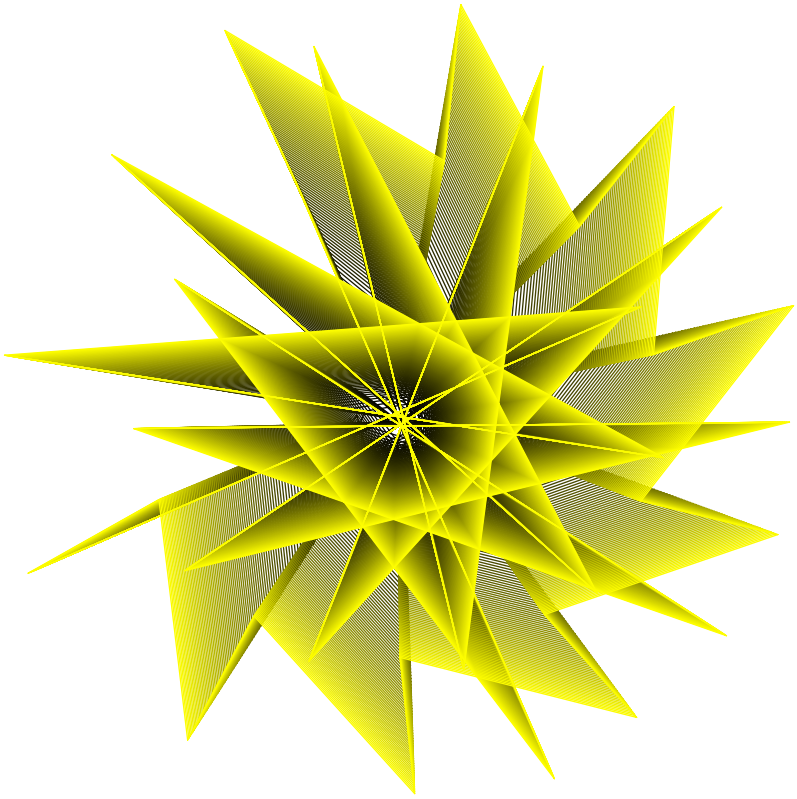
Branchings

Signa in silico 2001



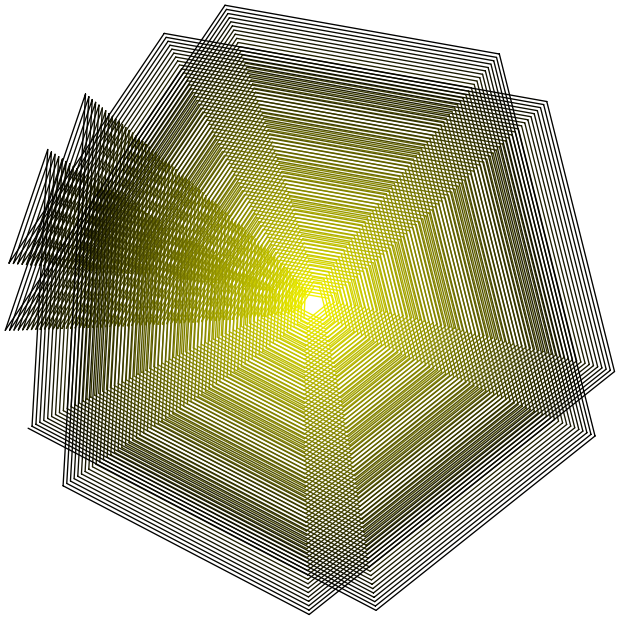
Ballad pour D

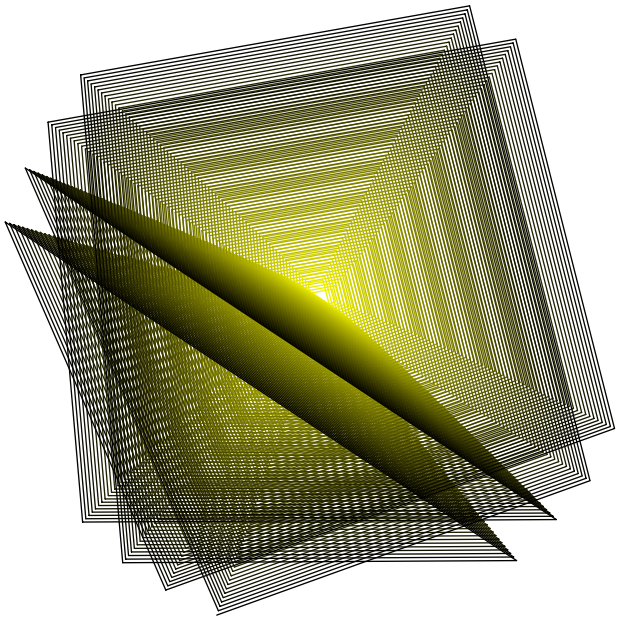
Signa in silico 2001



Picassonian III

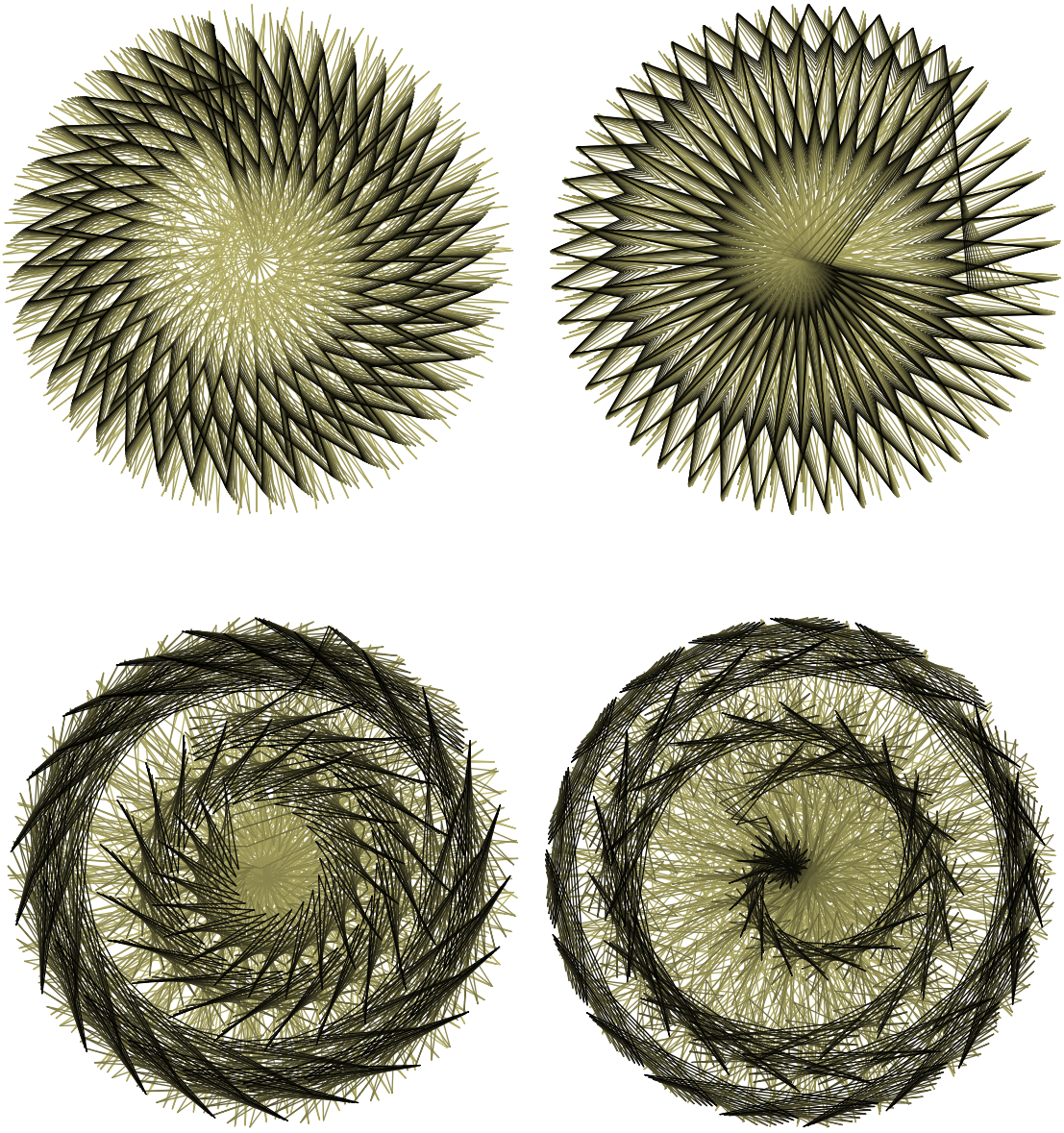
Signa in silico 2001





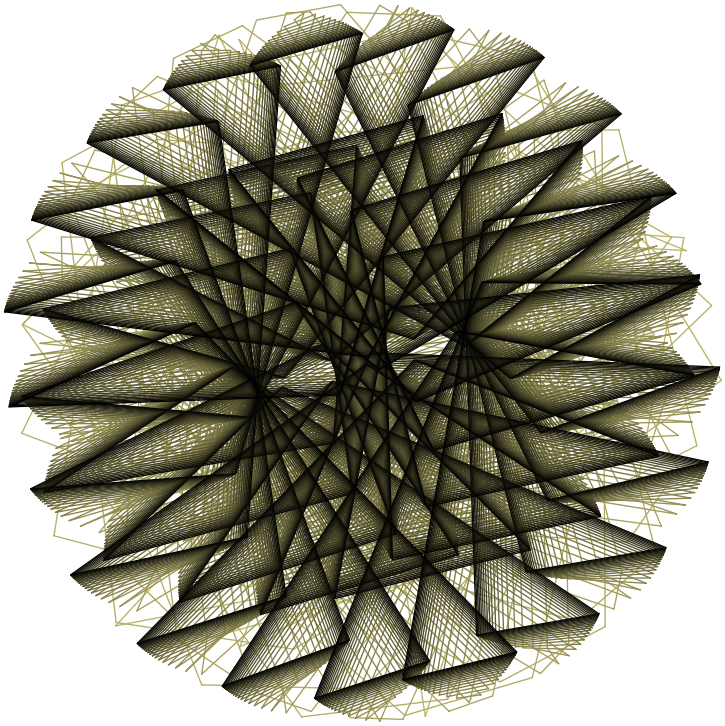
Terminals

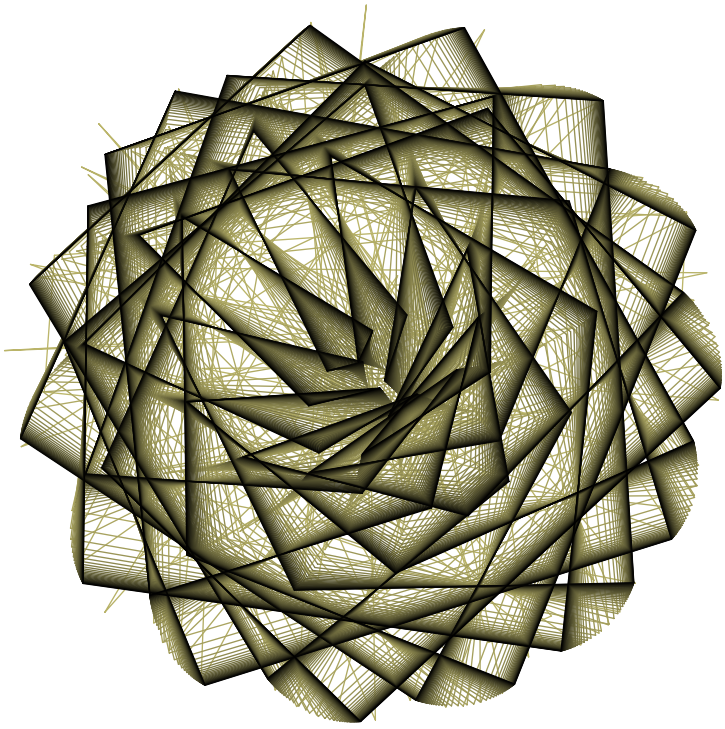
Signa in silico 2001



Tripalm variations

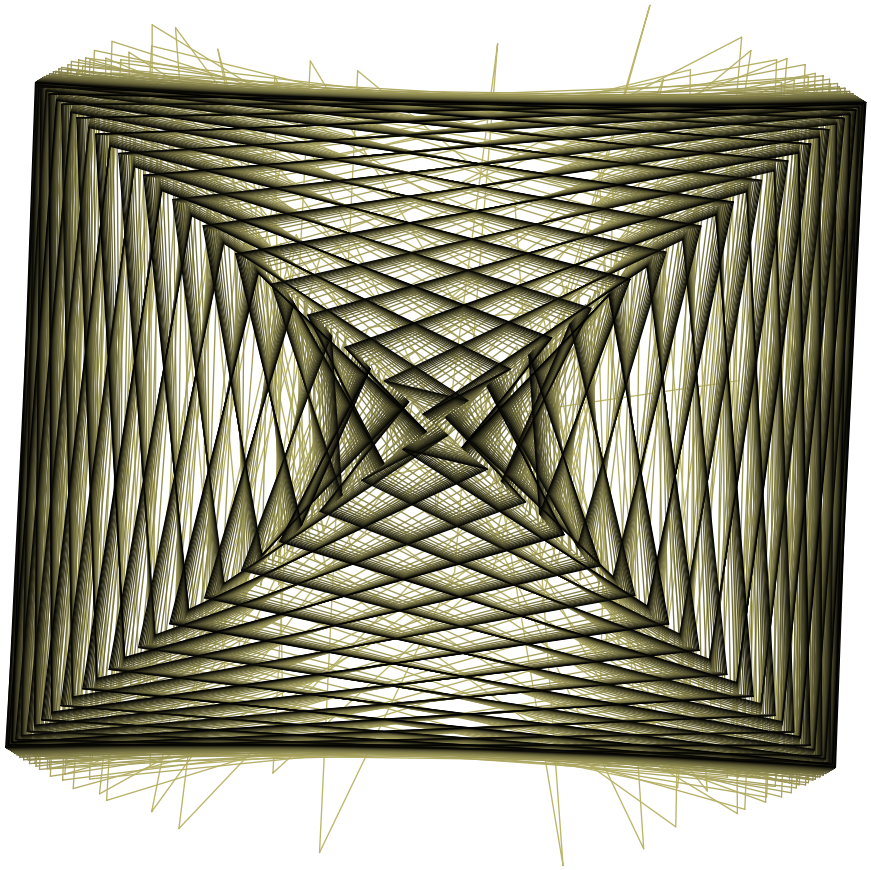
Signa in silico 2001





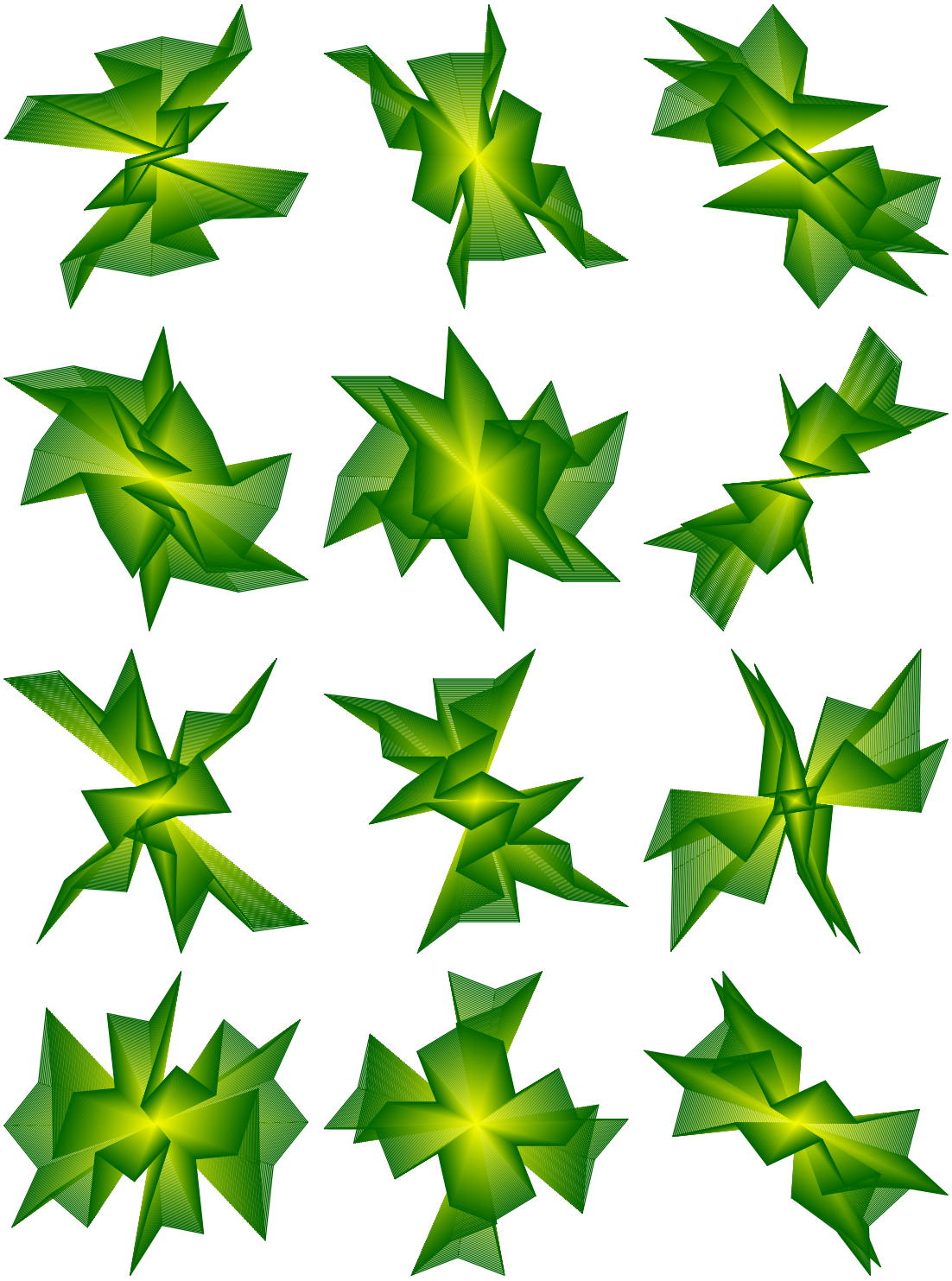
Armadillo variations II

Signa in silico 2001



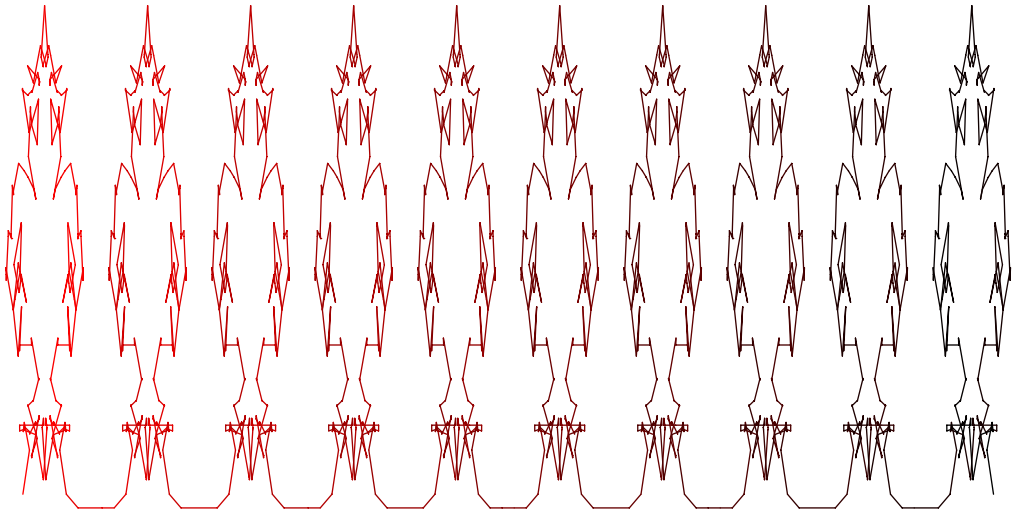
Armadillo variations II

Signa in silico 2001



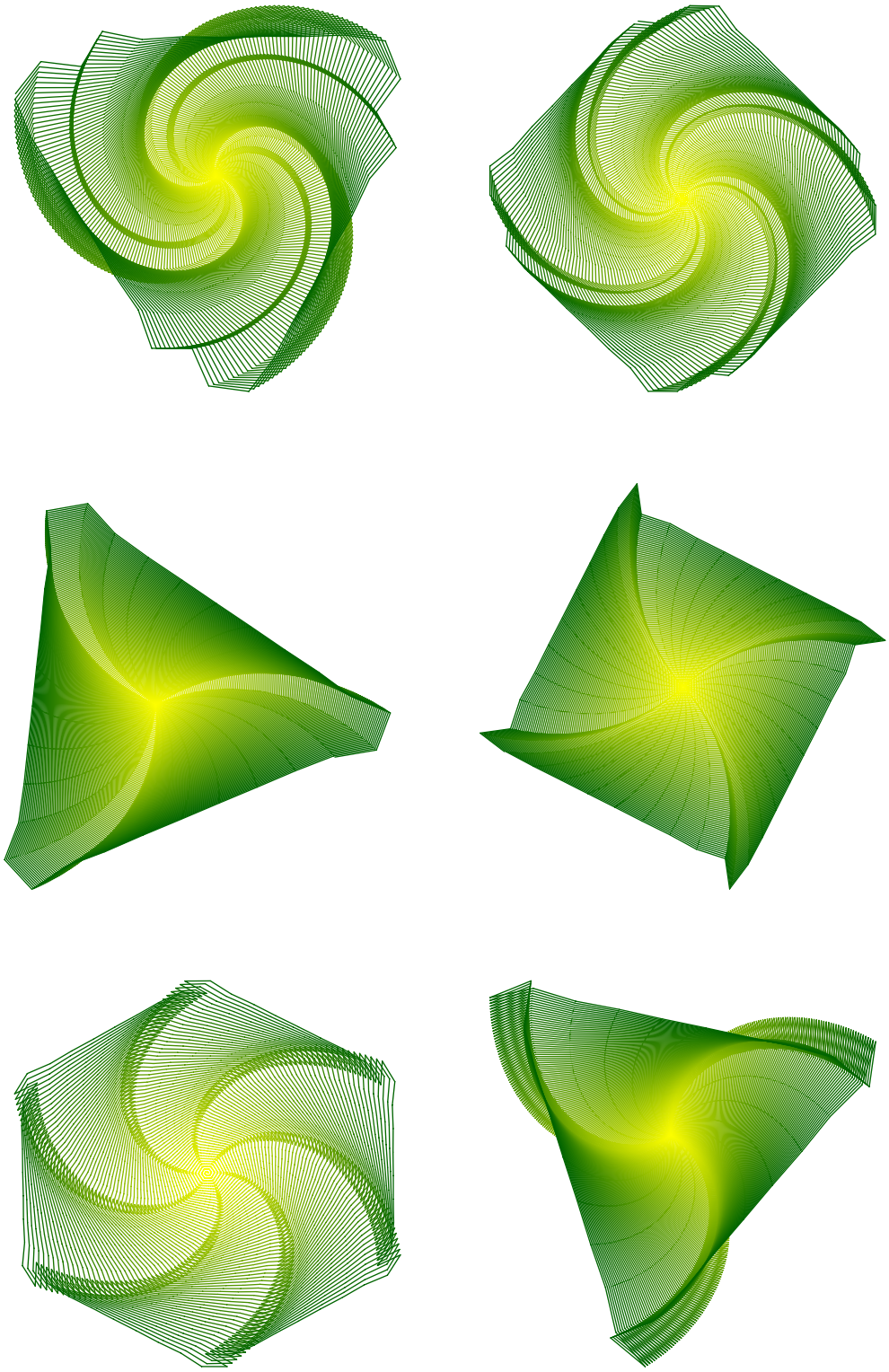
Foldings, series green–yellow

Signa in silico 2001



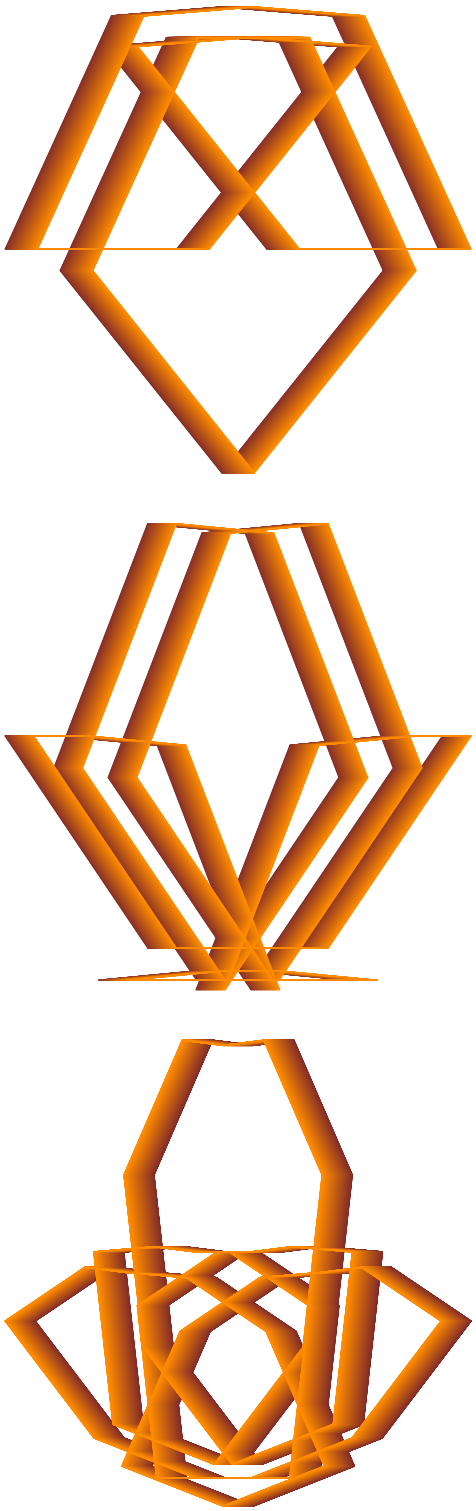
Gungans

Signa in silico 2001



Cross vaults

Signa in silico 2001



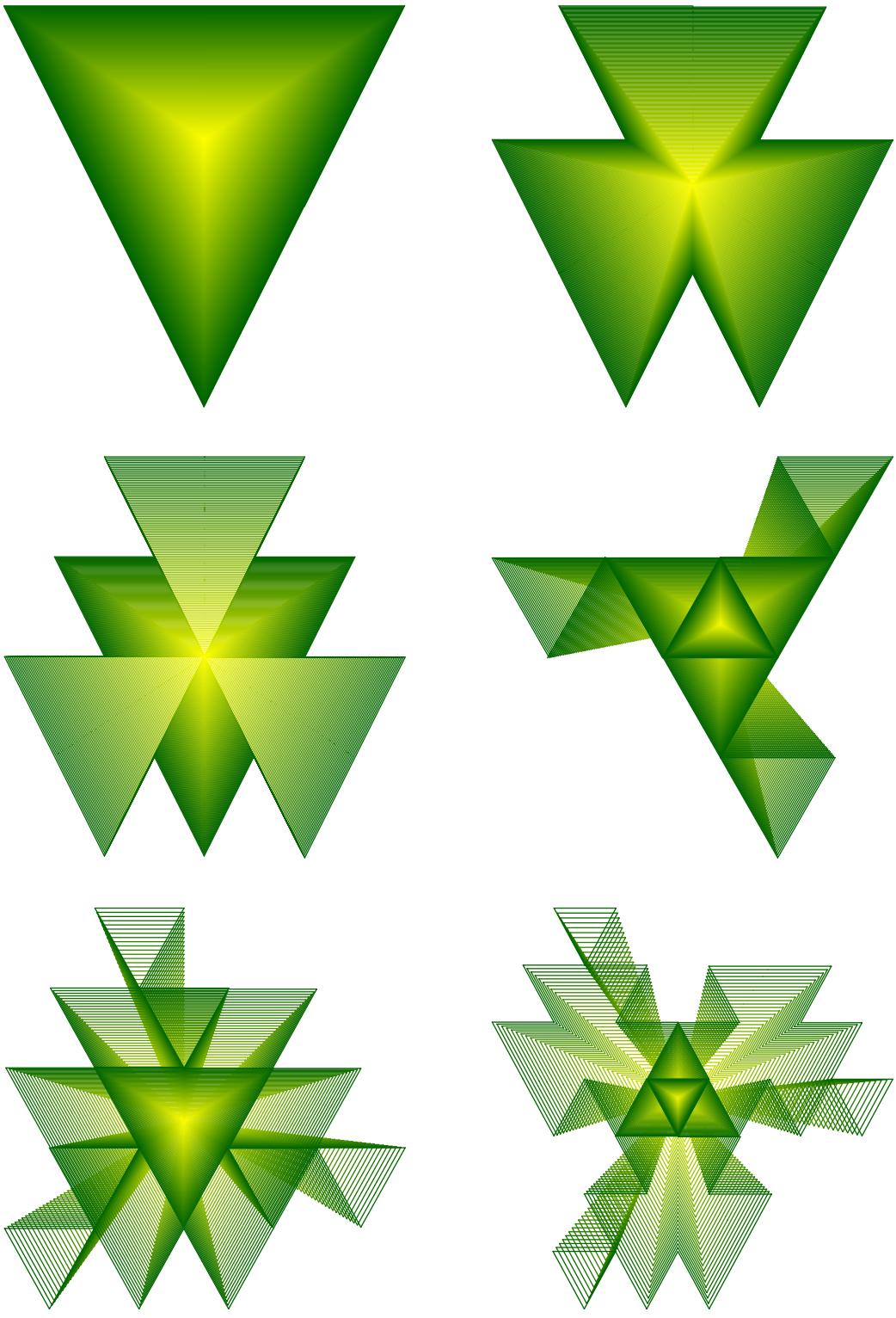
3D Calligraphy

Signa in silico 2001



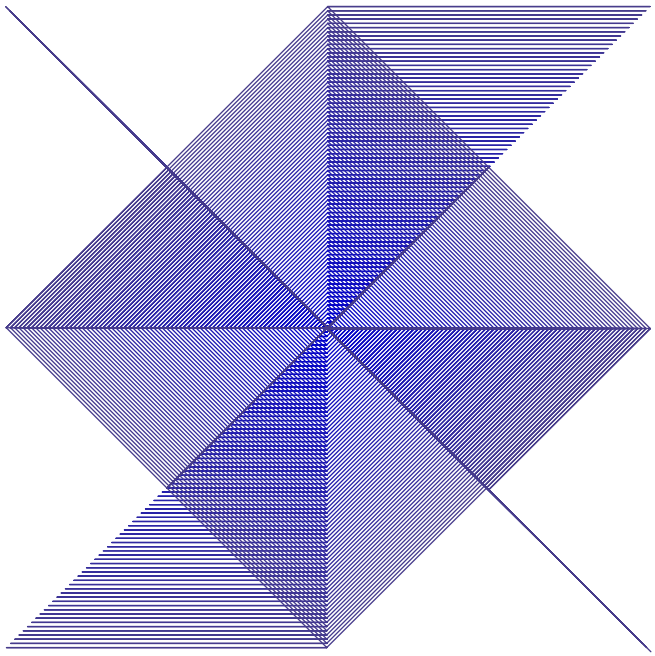
Green fibula

Signa in silico 2001



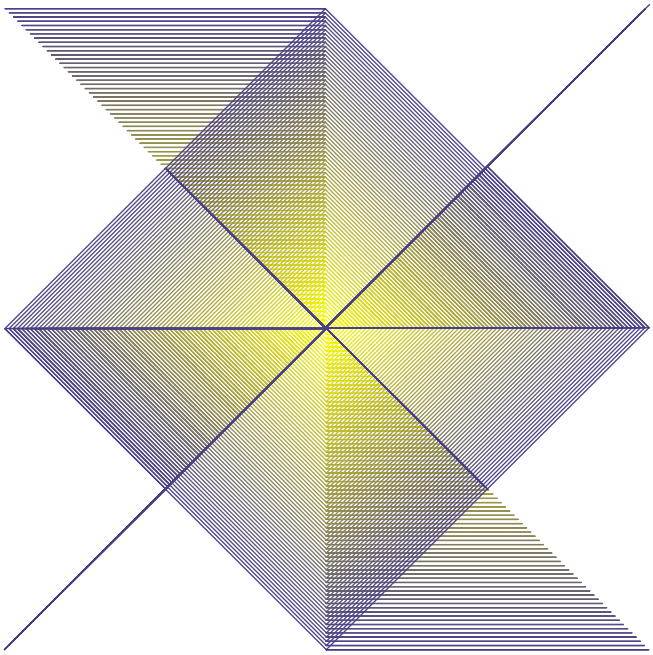
Metamorphoses of a triangle

Signa in silico 2001



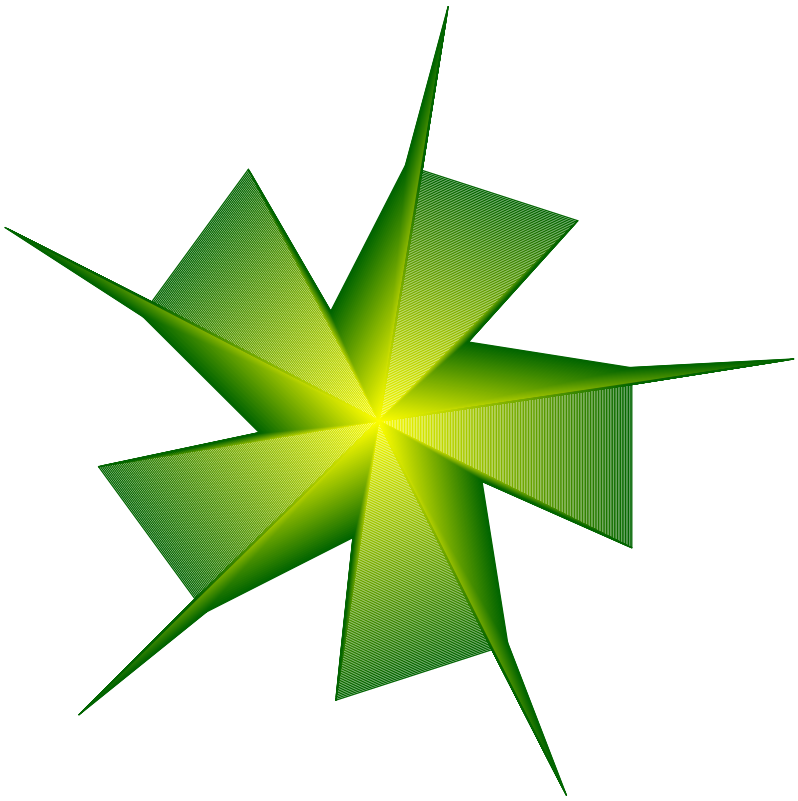
Homage to Wilhelm Müller

Signa in silico 2001



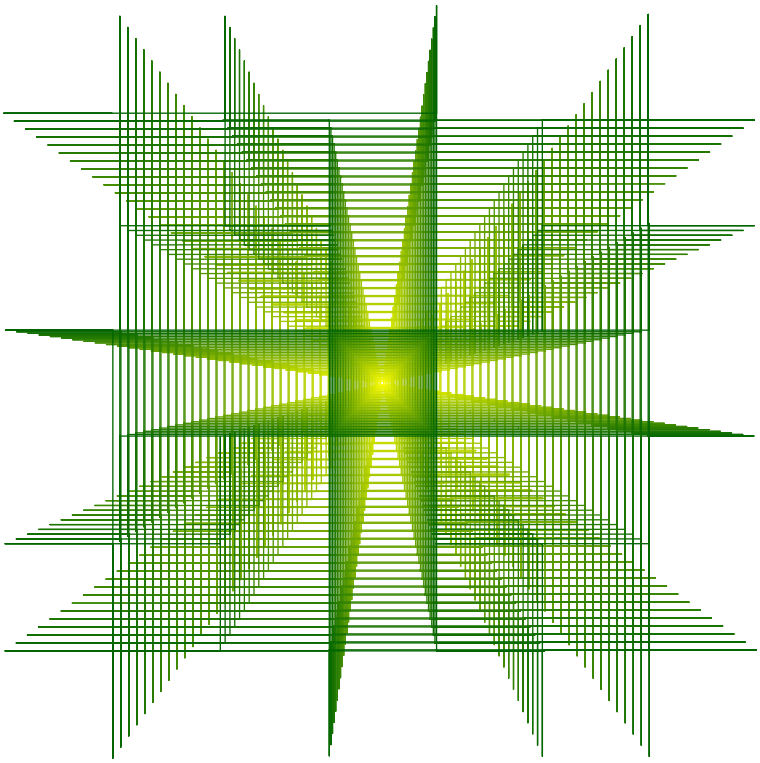
Homage to Wilhelm Müller

Signa in silico 2001



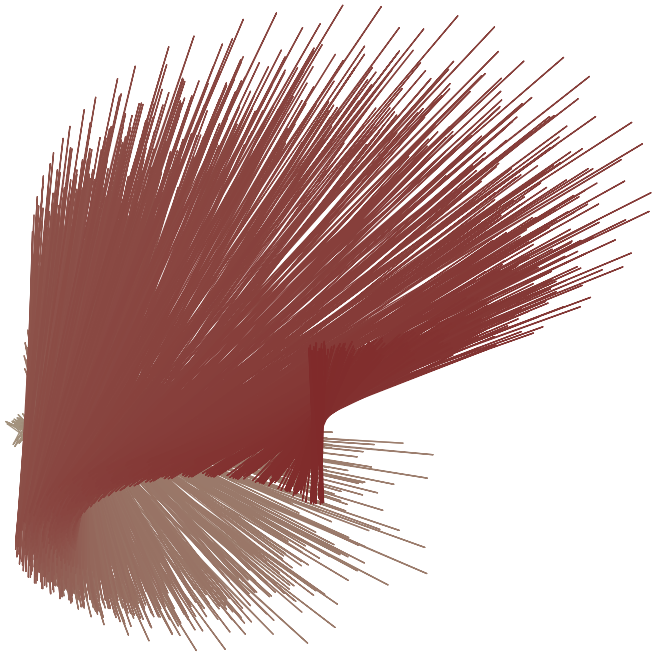
Shaolin monk

Signa in silico 2001



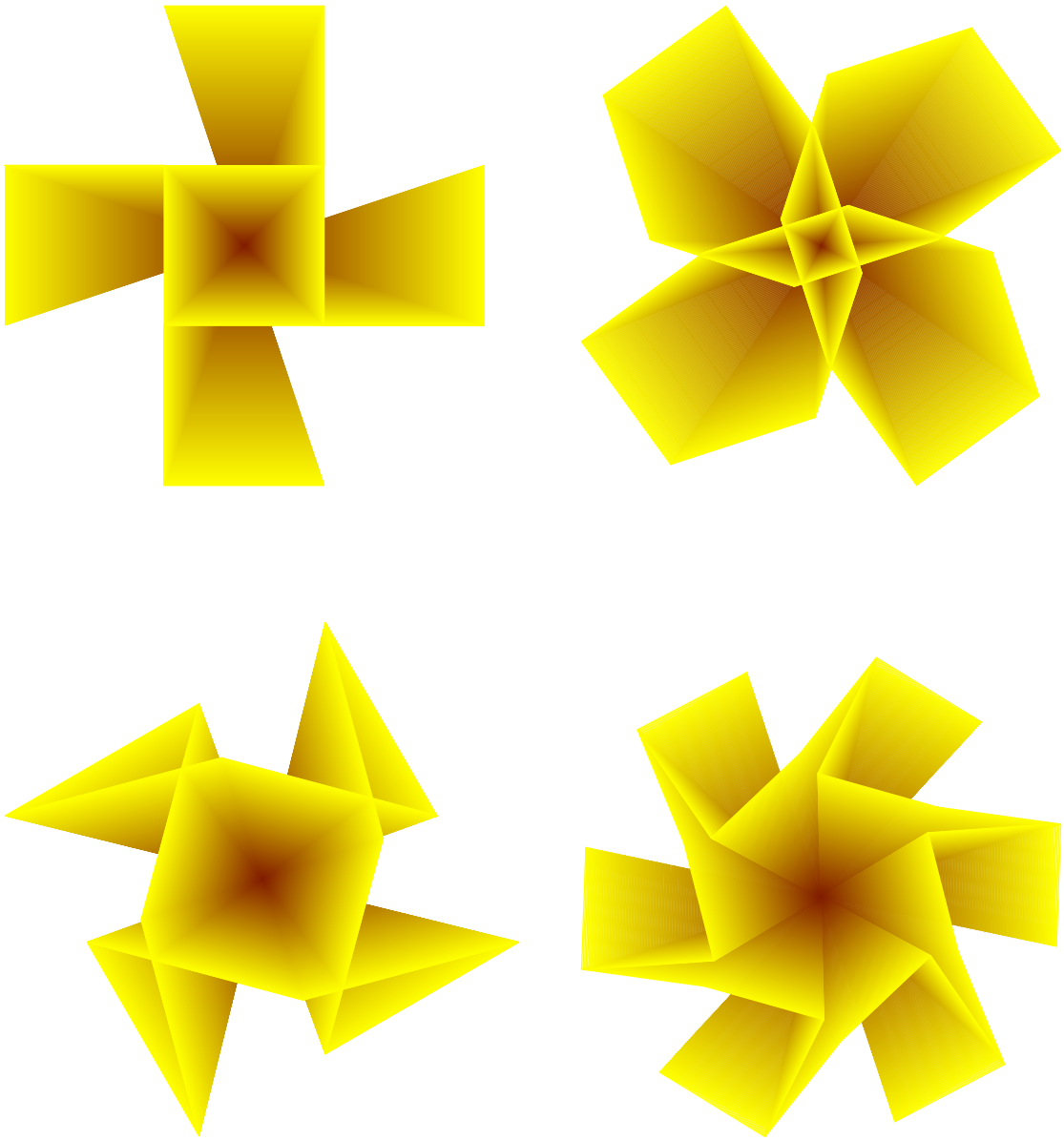
The Spirit of optimism

Signa in silico 2001



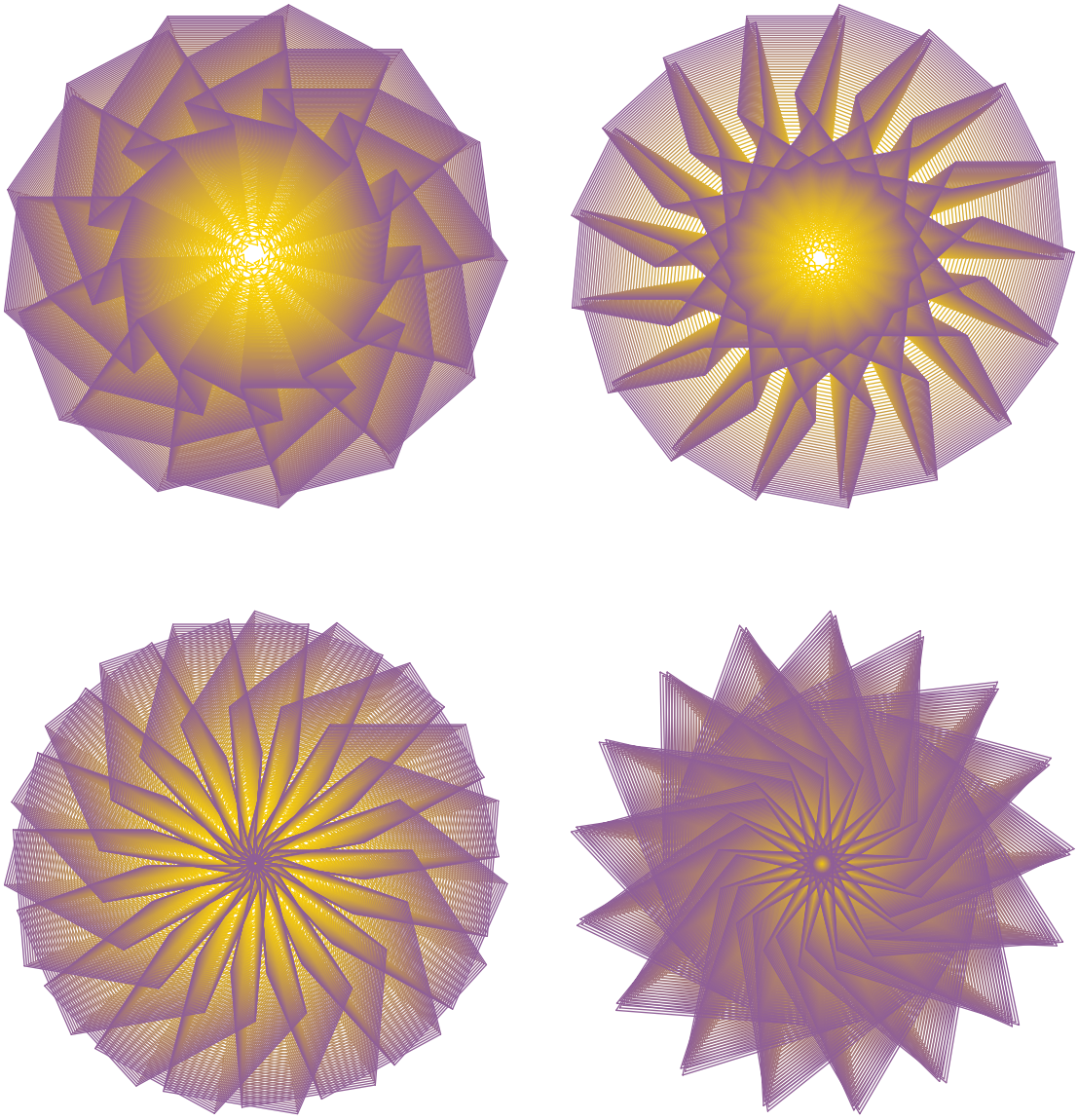
Collector or Emitter

Signa in silico 2001



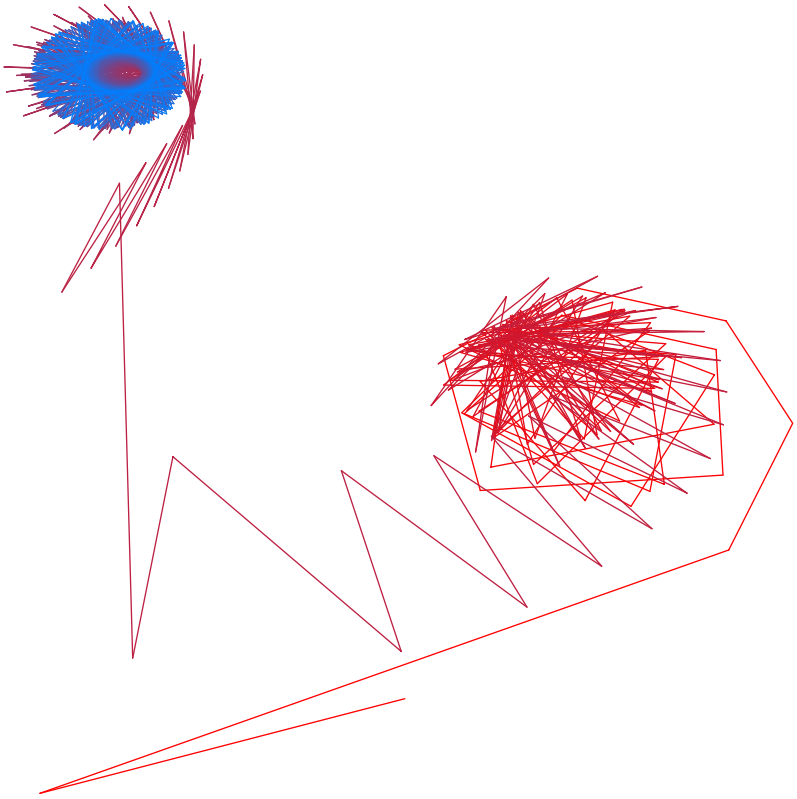
A study in yellow III

Signa in silico 2001



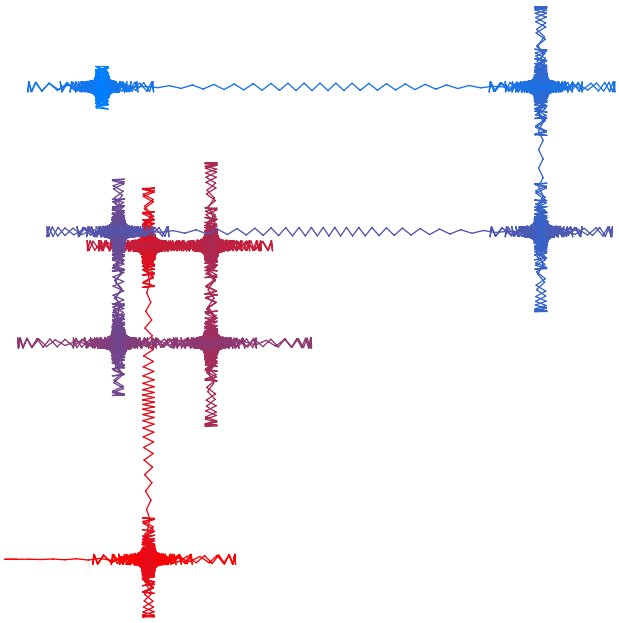
Inner glow II

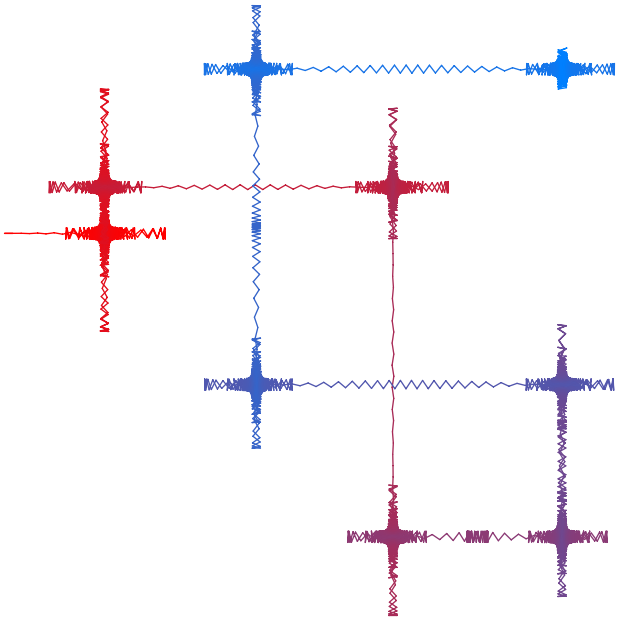
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Metamorphosis

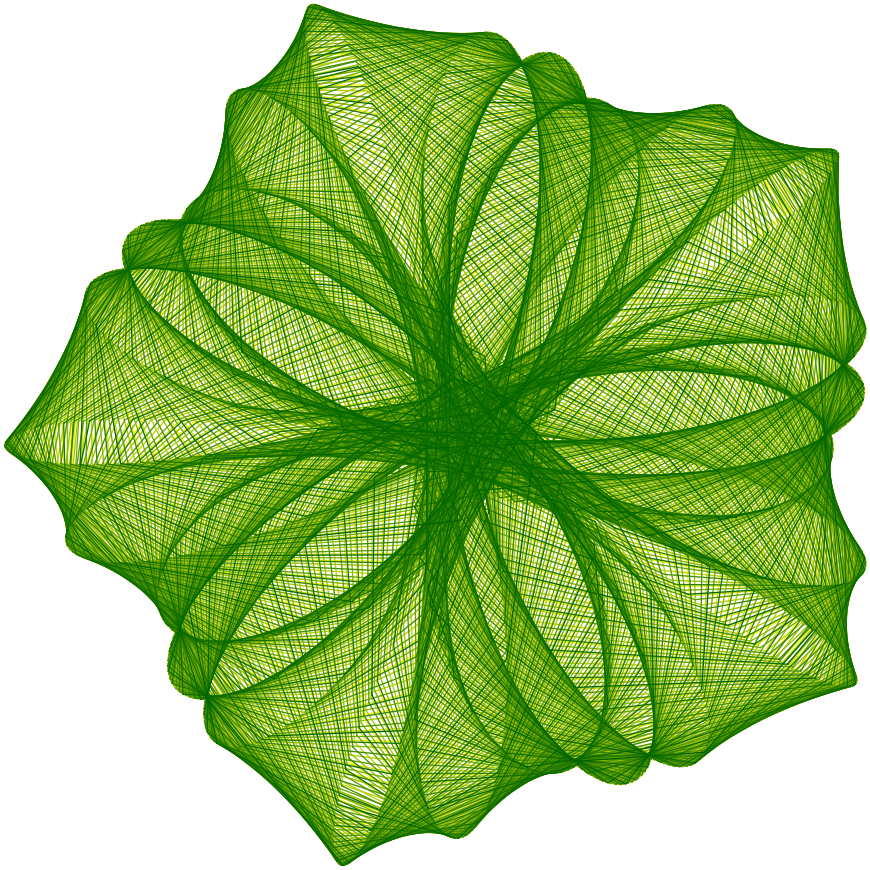
Signa in silico 2001





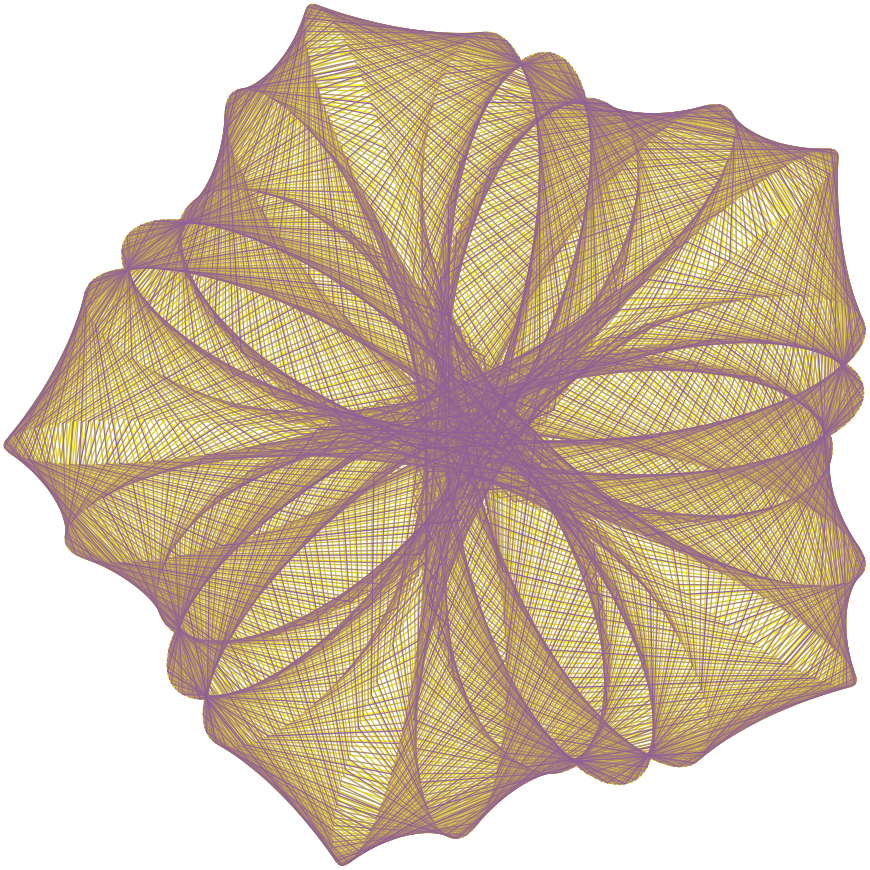
Memories

Signa in silico 2001



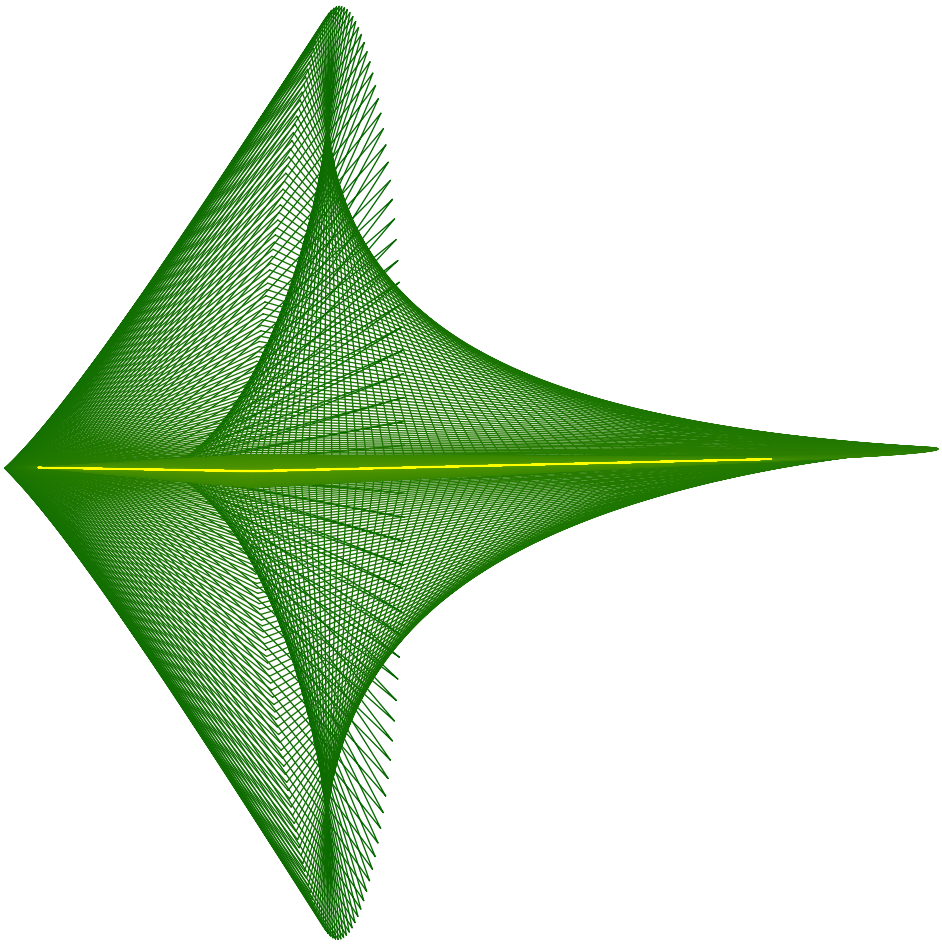
Tiffany lamp I

Signa in silico 2001



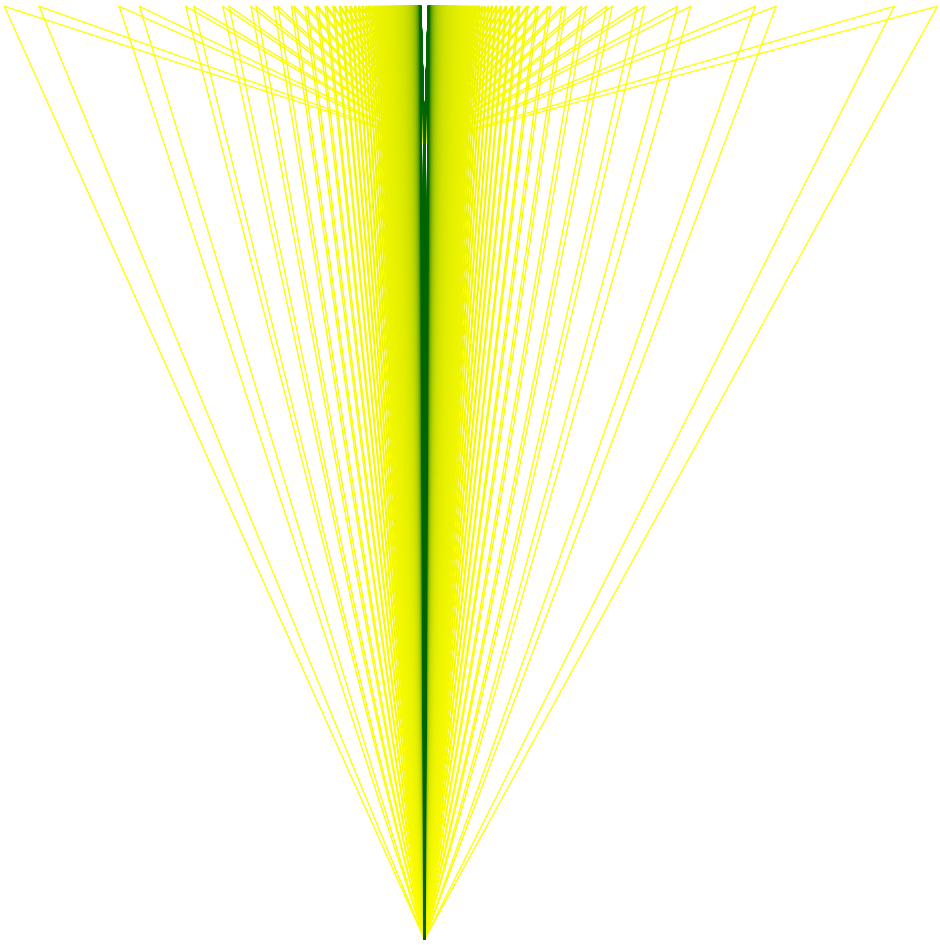
Tiffany lamp II

Signa in silico 2001



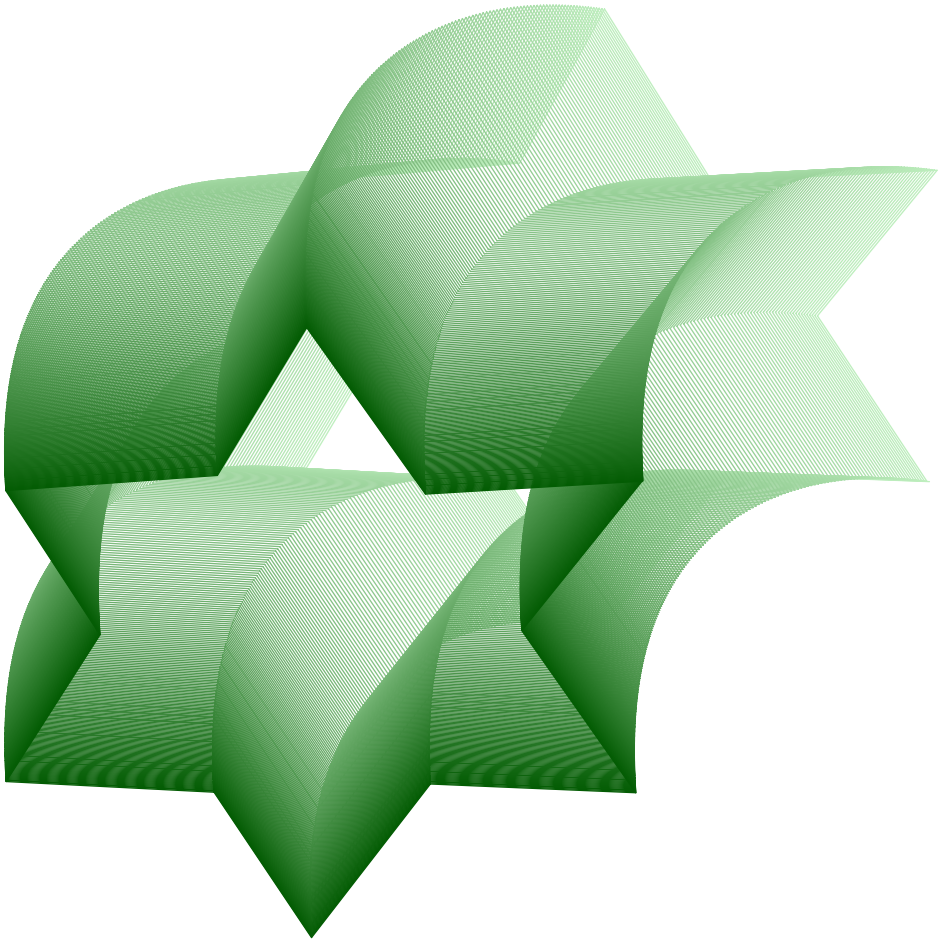
Manta ray

Signa in silico 2001



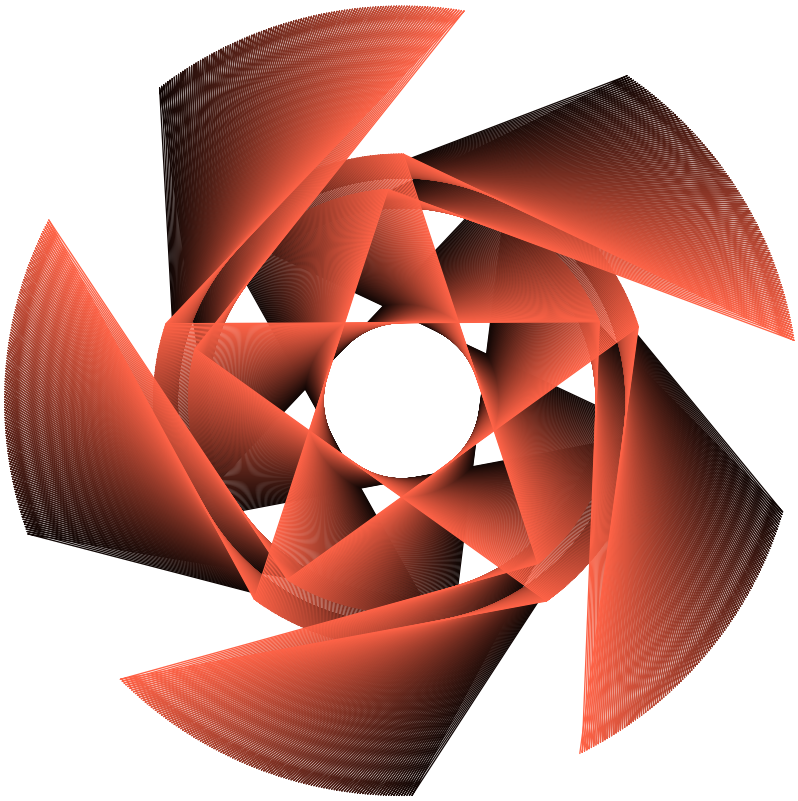
Injection

Signa in silico 2001



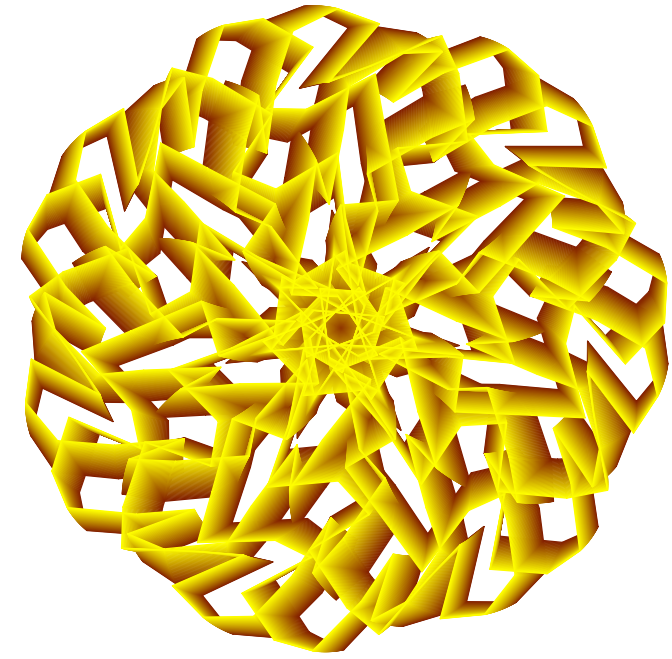
In the hyperspace

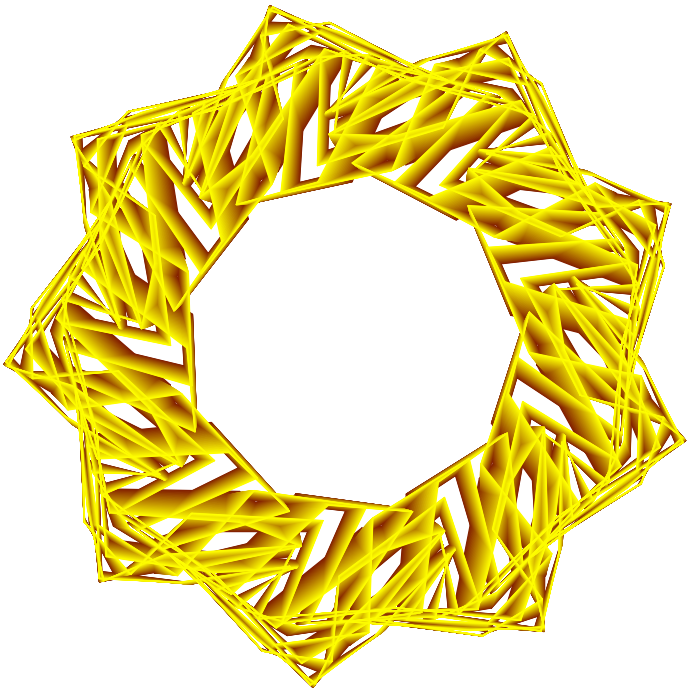
Signa in silico 2001



Gravitational turbine

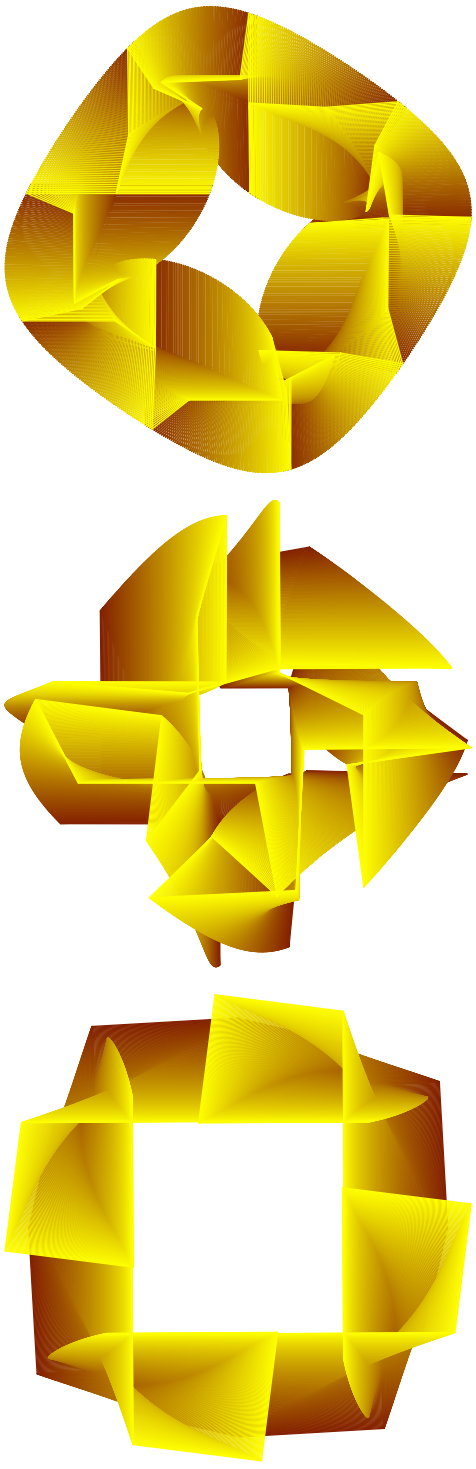
Signa in silico 2001





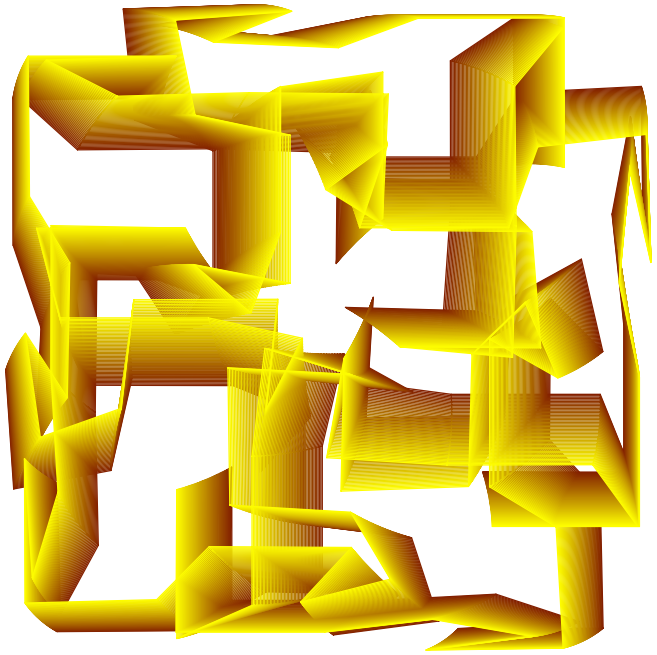
Rose windows

Signa in silico 2001



Cellular structures

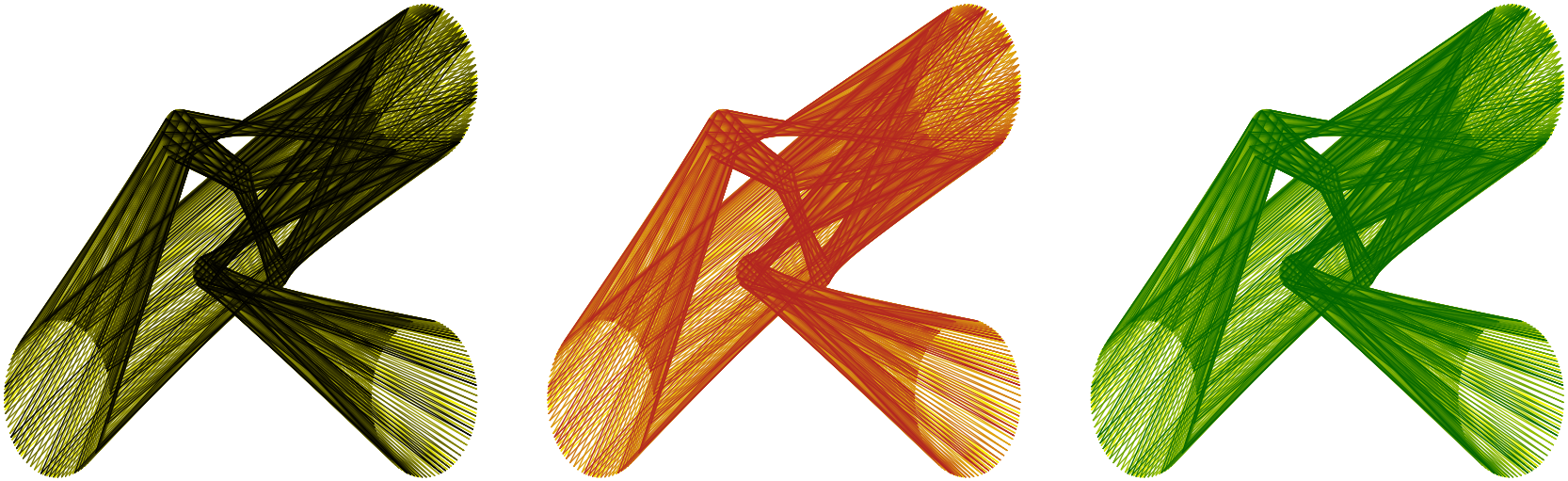
Signa in silico 2001





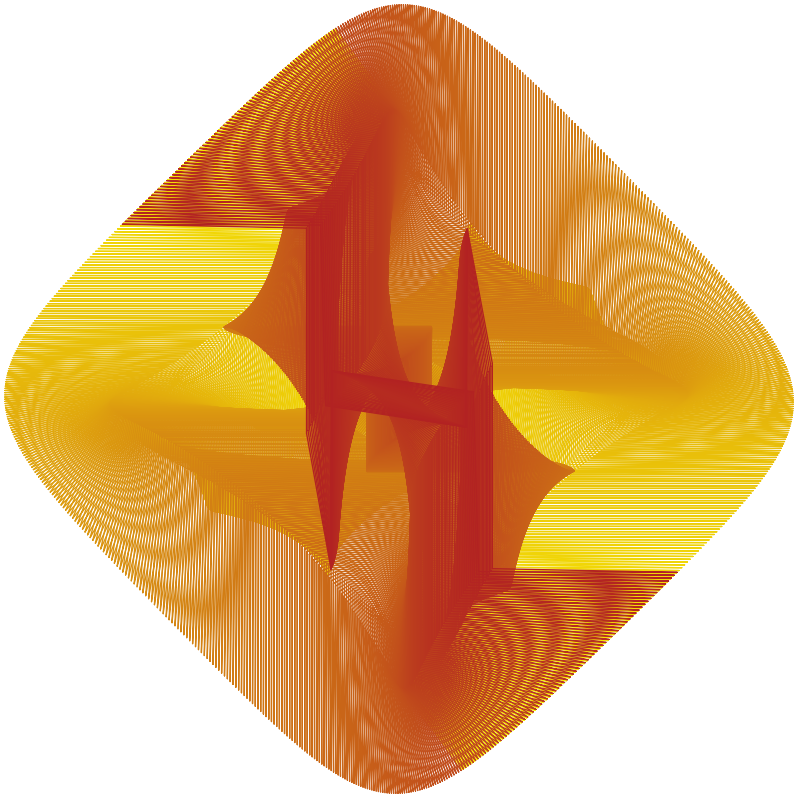
Two mazes

Signa in silico 2001



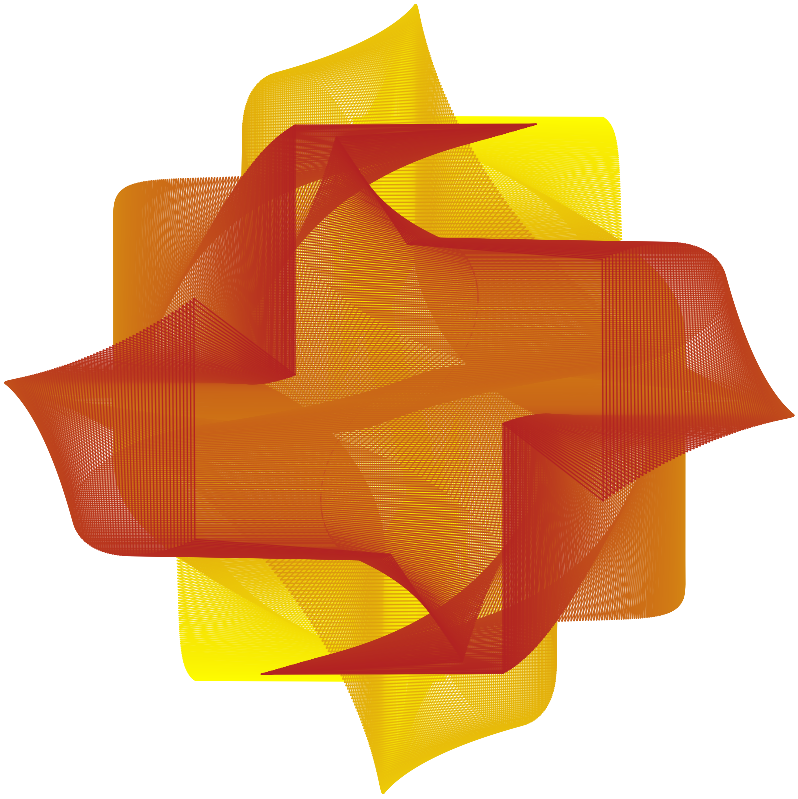
Cosmic switch

Signa in silico 2001



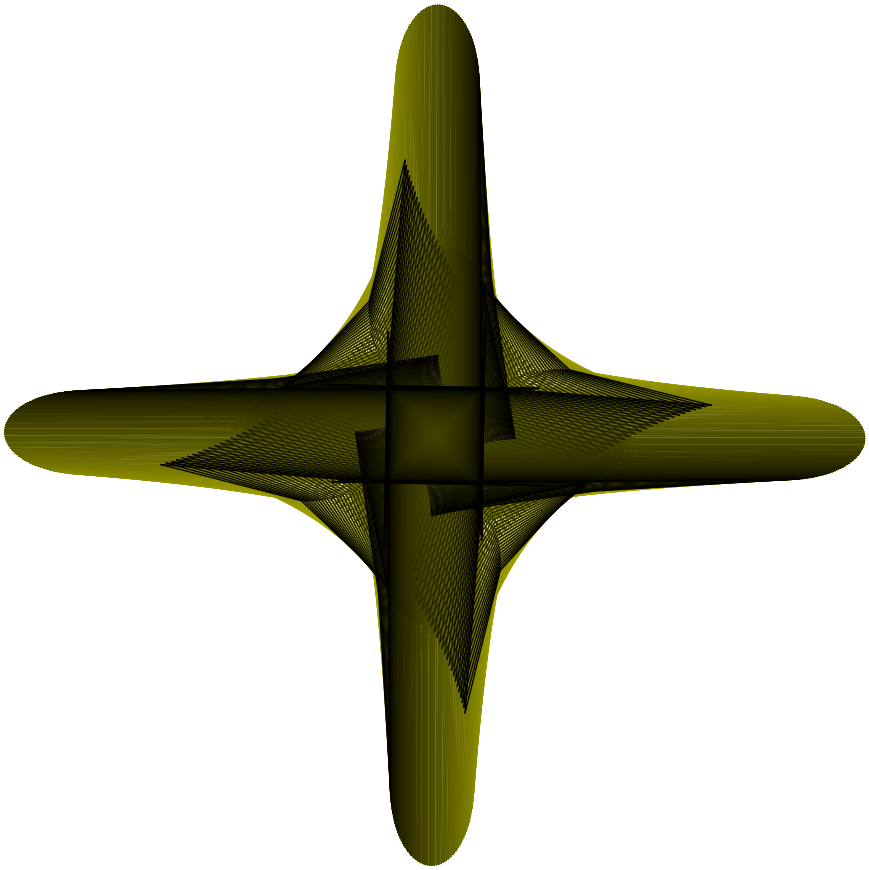
Inspiration II

Signa in silico 2001



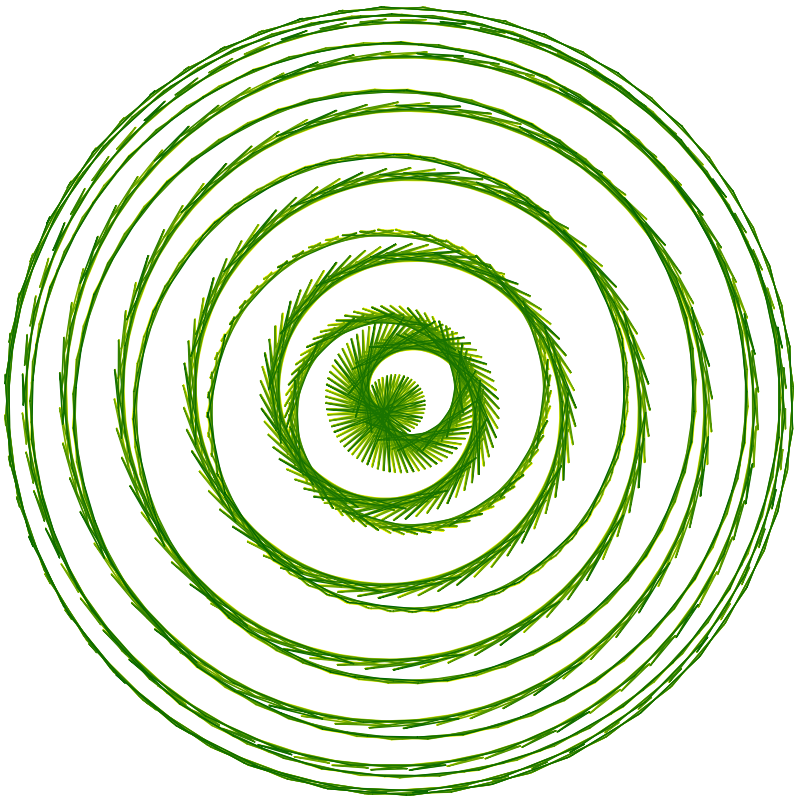
Inspiration III

Signa in silico 2001



Vulcan Medal Star

Signa in silico 2001



Inspiration IV

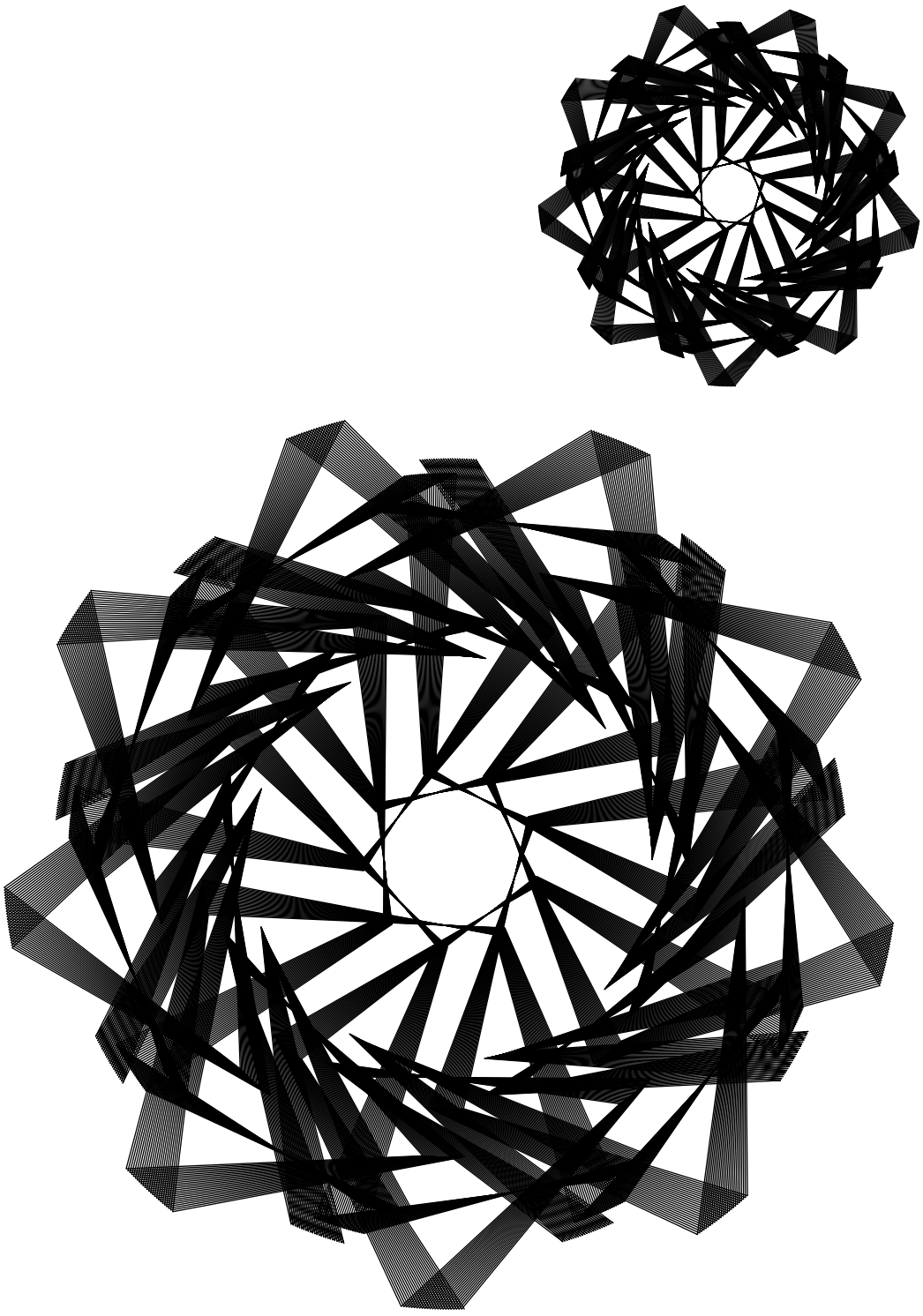
Signa in silico 2001

Unser **Arbeitsbuch**

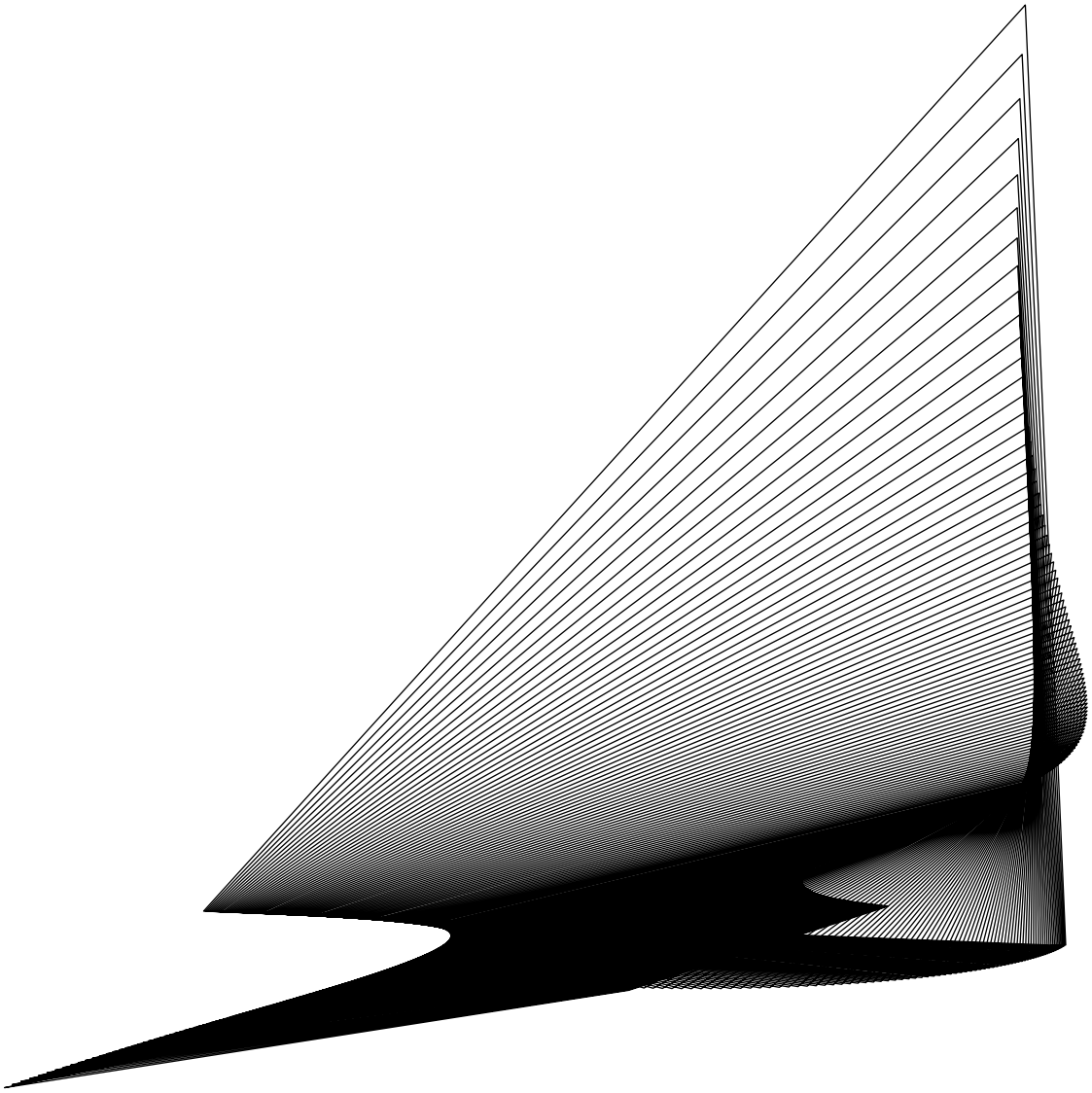


ISBN 3 – 8171 – 1640 – 3

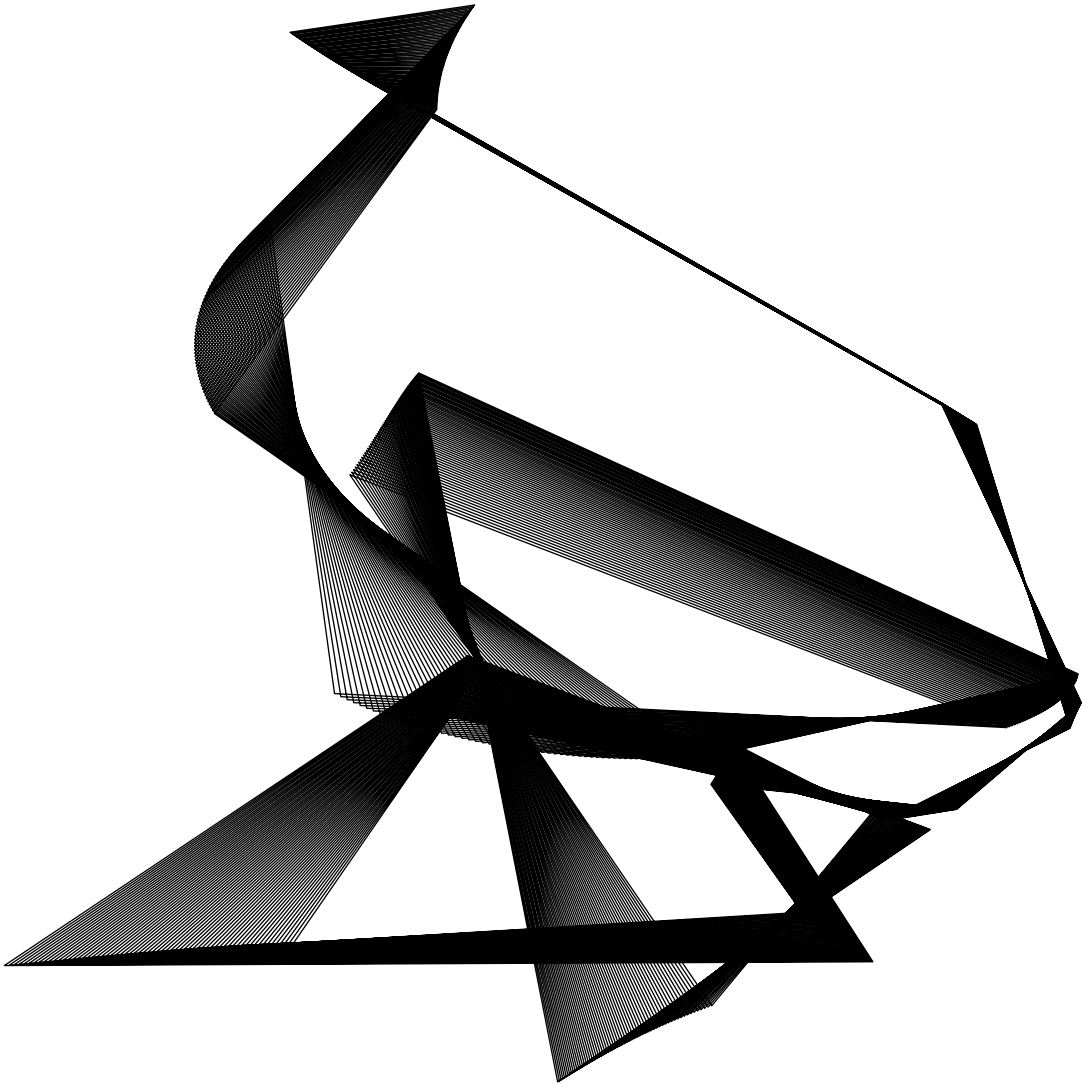
beschreibt das Algorithmensystem ASS und demonstriert seine Leistungsfähigkeit anhand von ca. 1000 ausgewählten Graphiken.



Crown of thorns

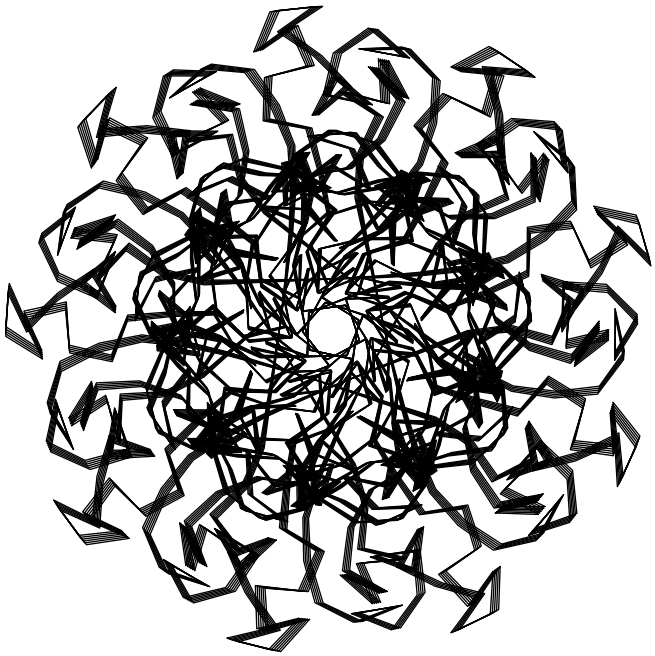


Northwards



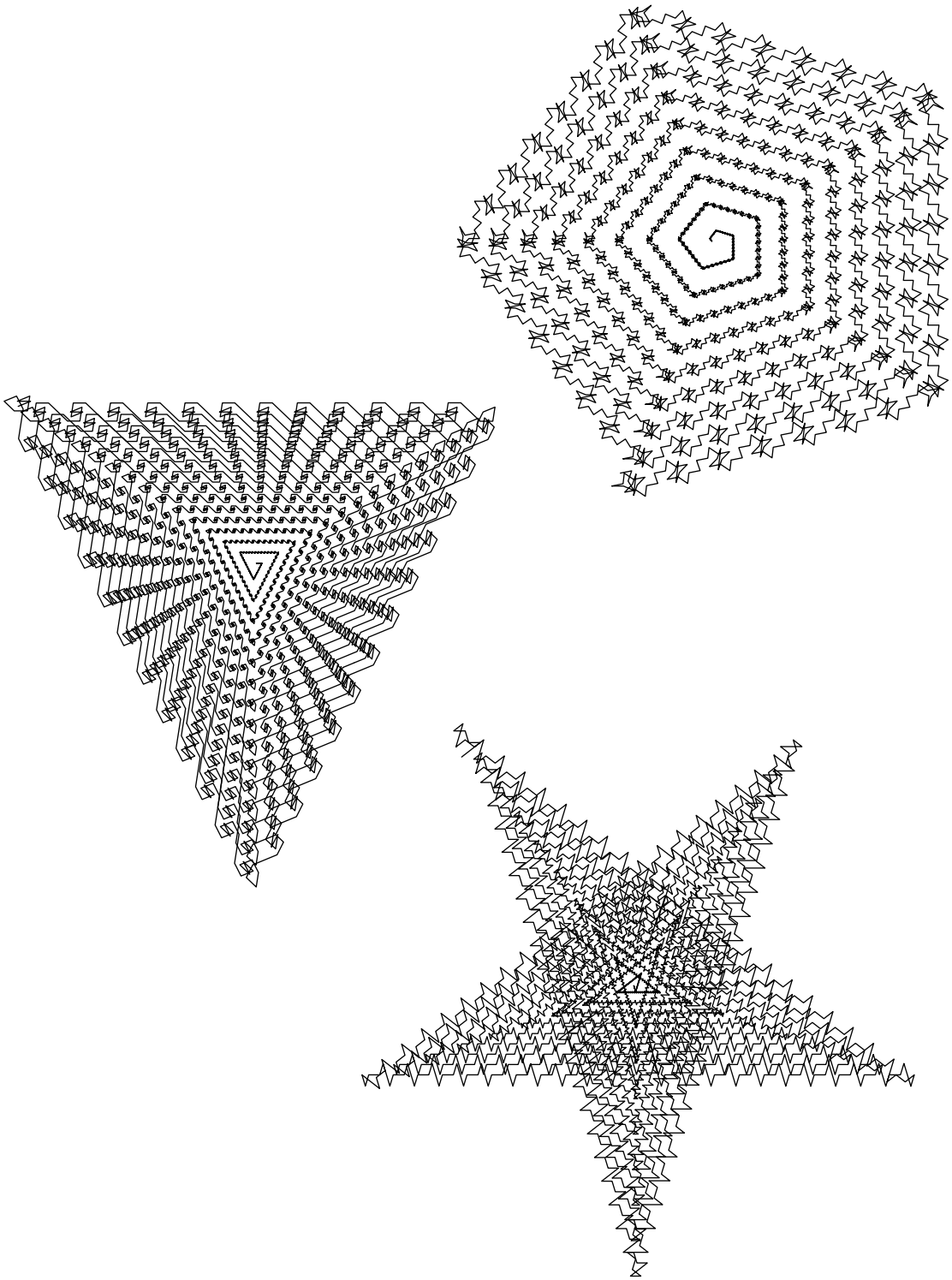
Trojan horse

Es entstehen dabei ästhetisch interessante Graphiken von endlichem in sich geschlossenem oder auch linearem repetitivem Charakter; sie können hochgradig symmetrisch sein, aber auch als freie Form scheinbar einem spontanen Impetus entstammen. Die Bandbreite der Texturierung umfaßt 2D– und Quasi–3D–Objekte mit äußerst filigranem, aber auch munomentalem und ganz einfachem Charakter, oft im Wechsel bei nur geringfügiger Parameteränderung. Viele symmetrisch bzw. nahezu symmetrisch aufgebaute Muster gemahnen dabei an klassische Symbole und Ornamente aller Kulturkreise sowie an Kunst– und Naturformen, stellen jedoch auch gültige eigenständige Hervorbringungen dar.



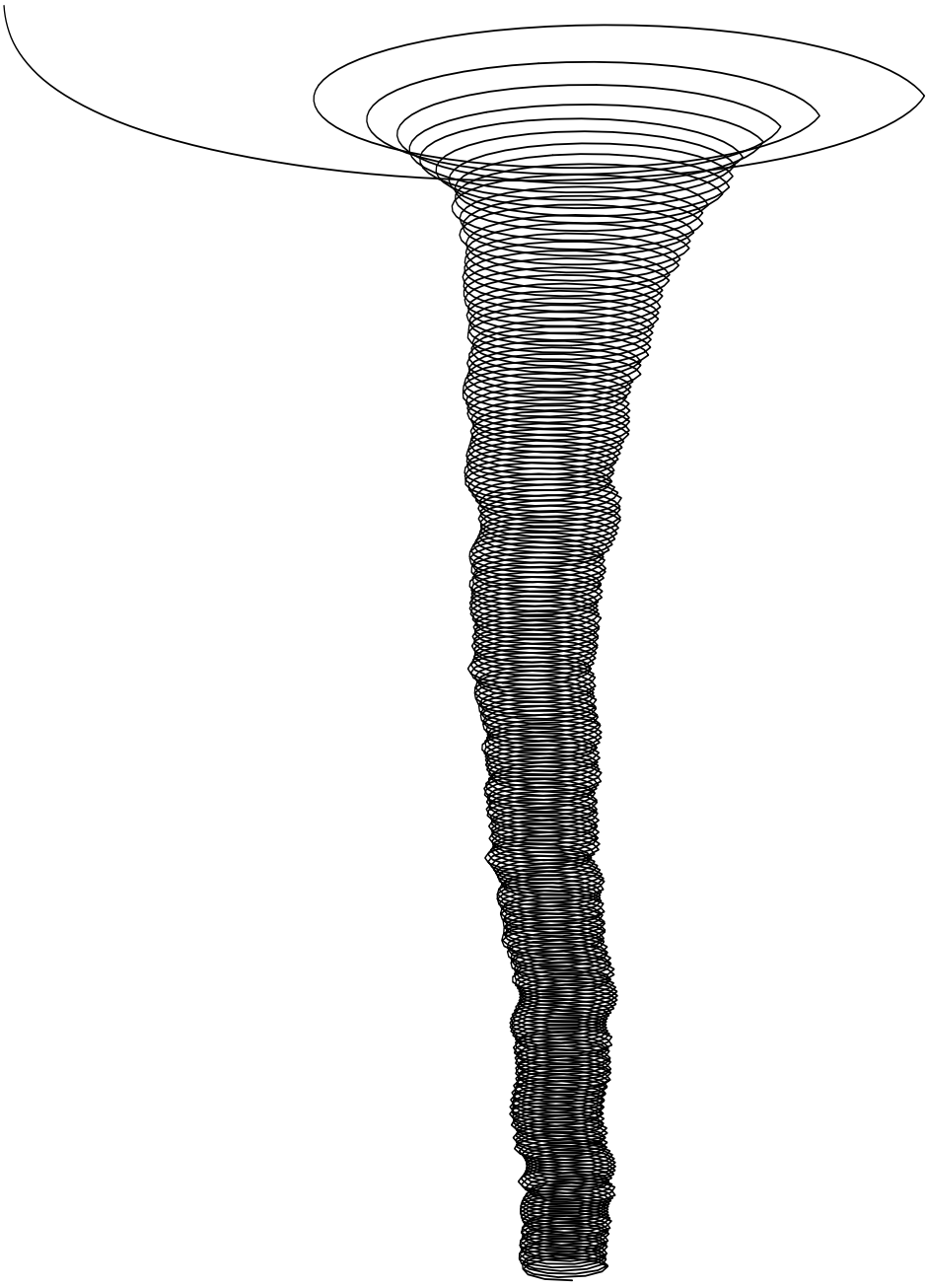
Balance spring

Signa in silico 2001



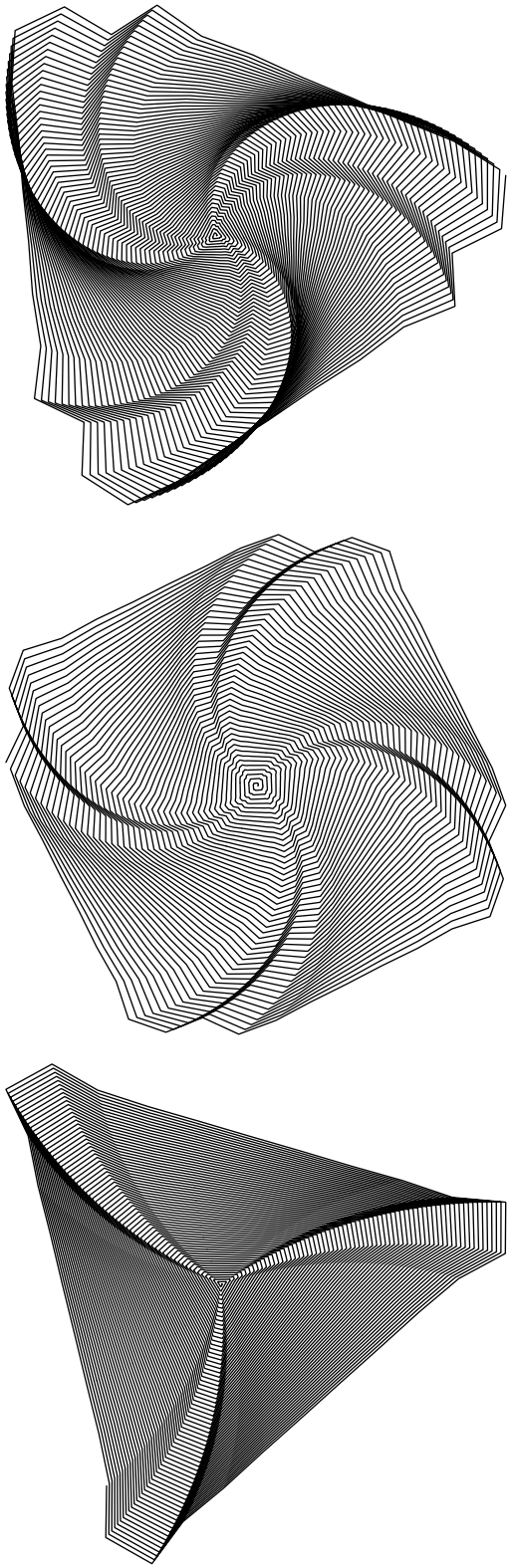
Algorithmic archaeology – magic symbols

Signa in silico 2001



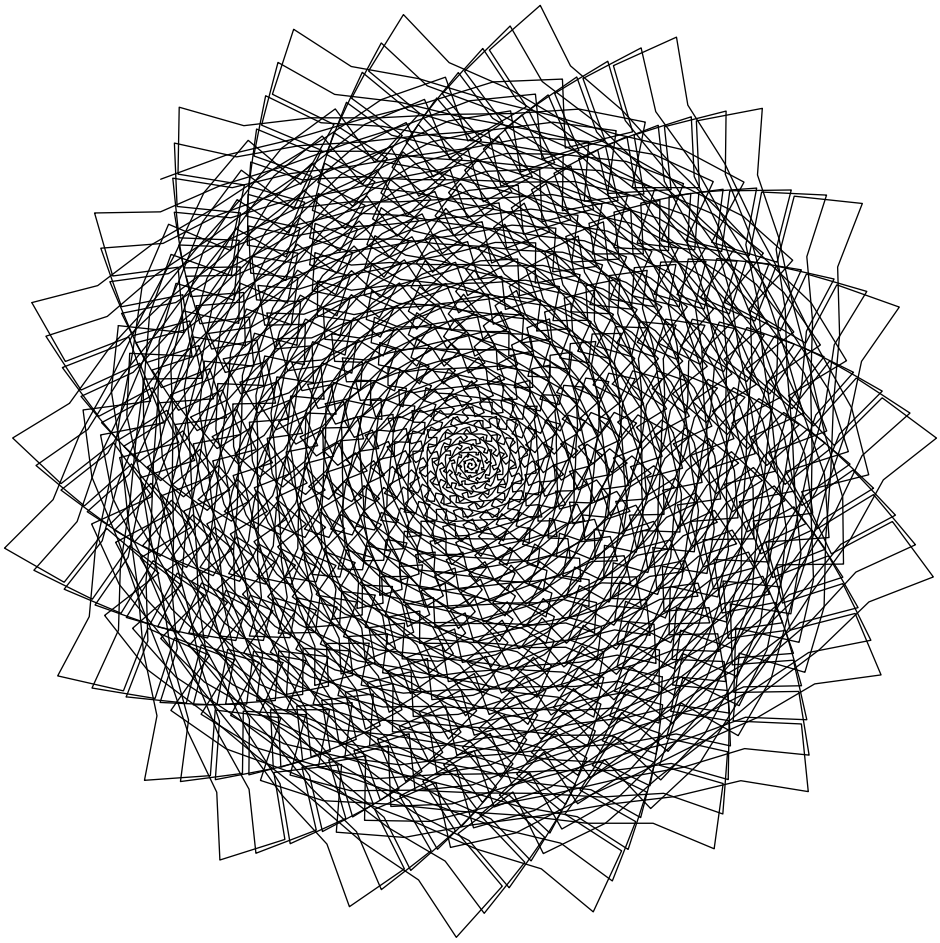
Tornado

Signa in silico 2000



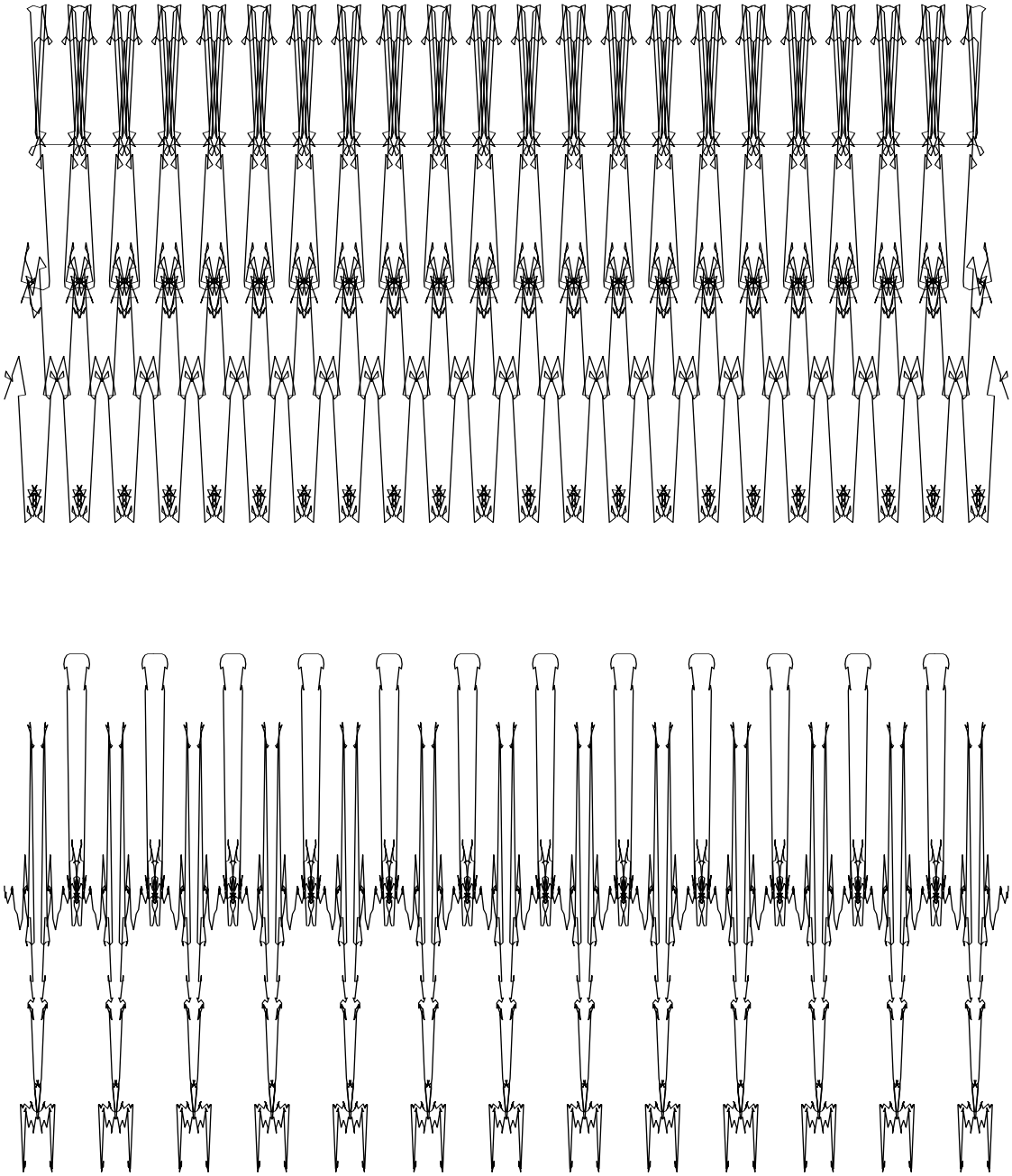
Cross vaults

Signa in silico 2001



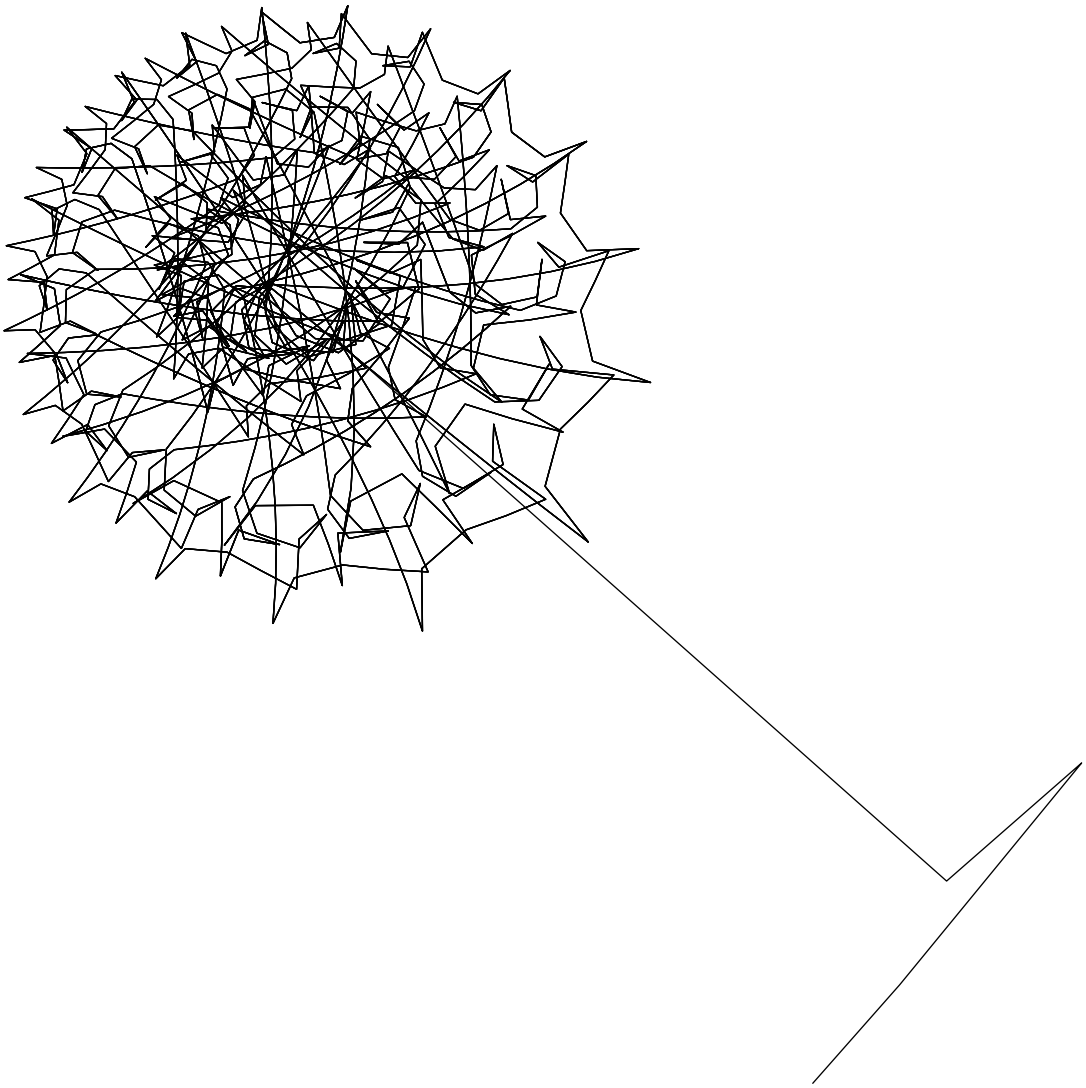
Helianthus annuus

Signa in silico 2001



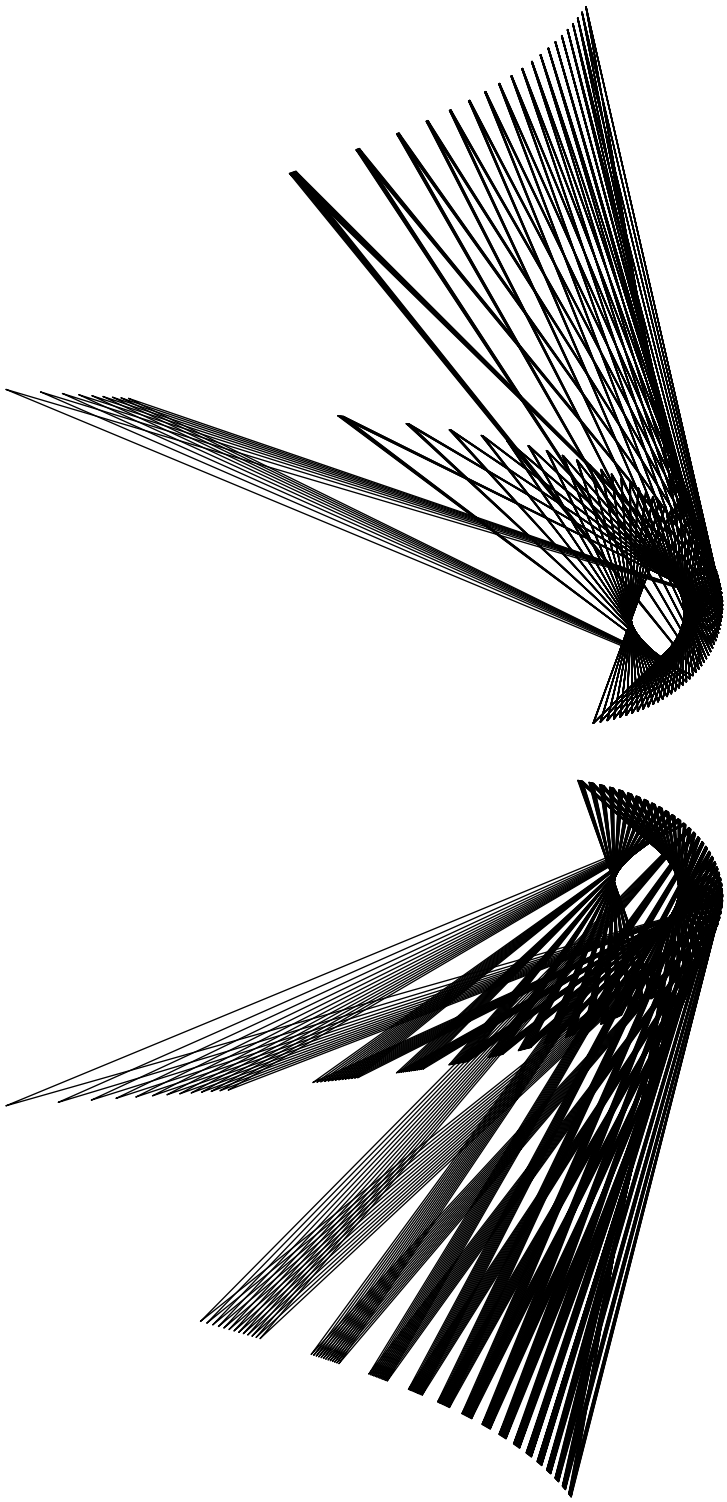
Parades

Signa in silico 2001



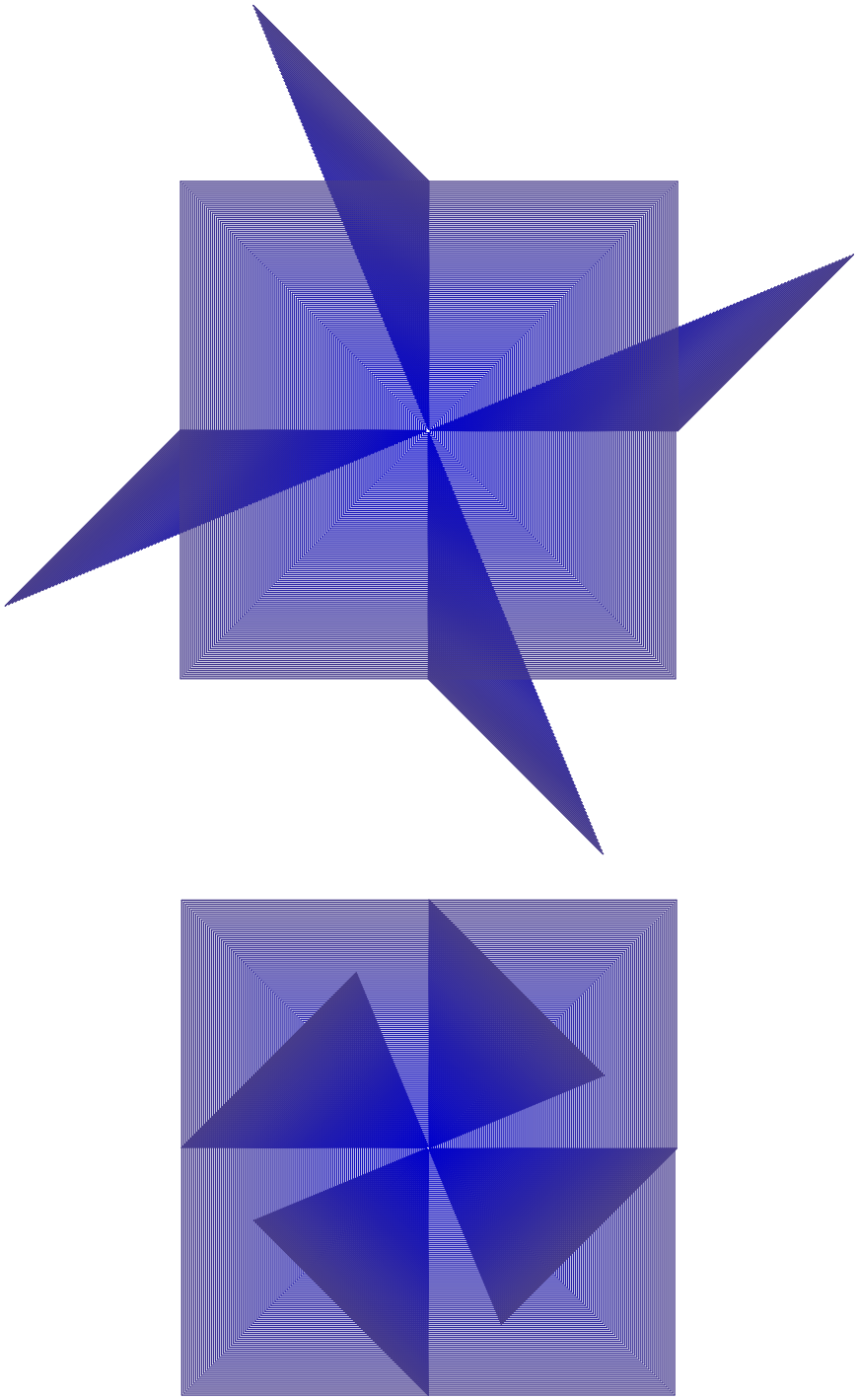
Blowball Dandelion

Signa in silico 2000



An eye for an eye ...

Signa in silico 2000



Don Quijote and Sancho Pansa

Signa in silico 2001