Unit n°69

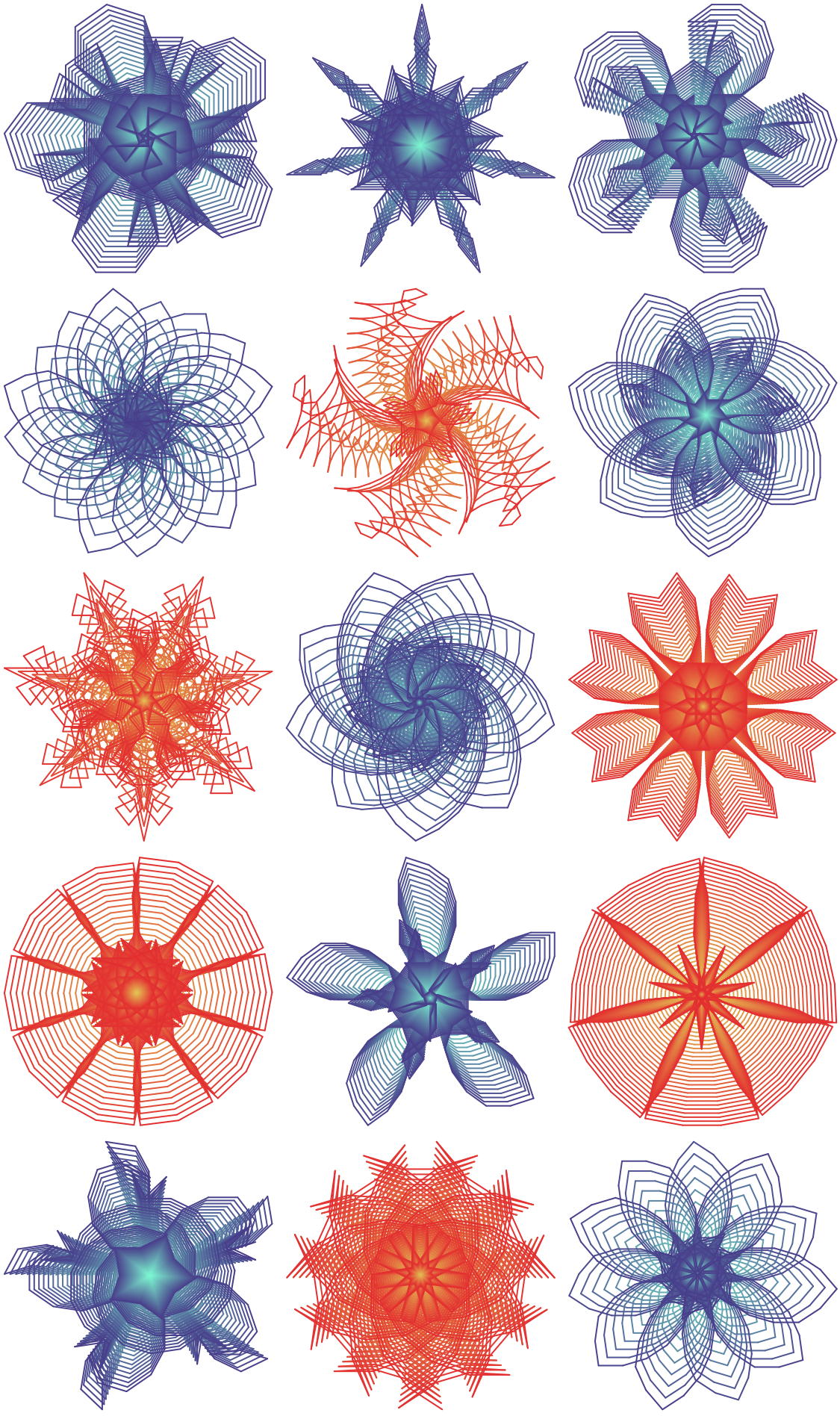
Memory of a great time

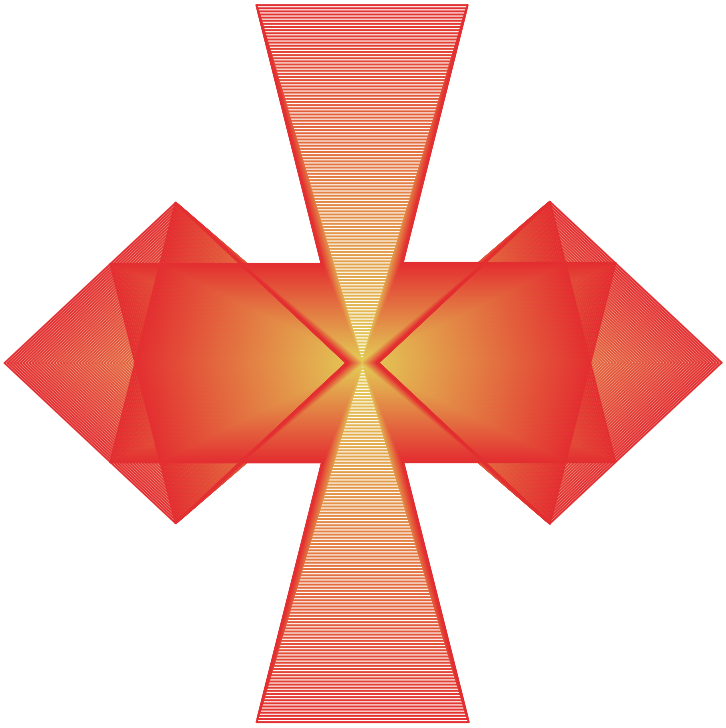
Signa in silico 2010
Zwischen Algorithmus und Phantasie
Erwin P. Stoschek / Dagmar Schönfeld

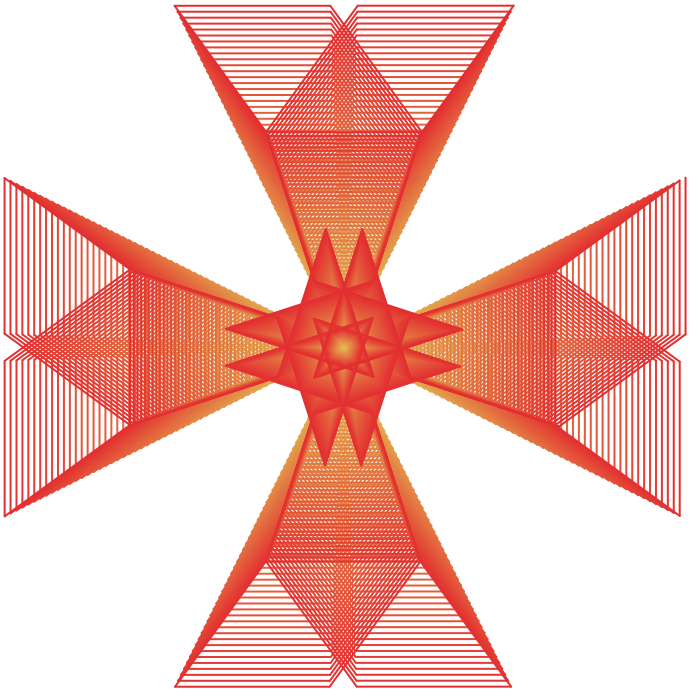
Das Algorithmensystem „Signa in silico“ (AsSis), das den hier vorgestellten Computergraphiken aus dem Jahr 2010 zugrunde liegt, wurde von E.P. Stoschek an der Fakultät Informatik der TU Dresden konzipiert und weiterentwickelt, dies in langjähriger fruchtbarer Zusammenarbeit mit D. Schönfeld, in deren Händen insbesondere die rechentechnische Realisierung der Graphiken lag.

Alle Graphiken sind „unbearbeitete naive Naturprodukte“ von AsSis (rein maschinell und ohne beeinflussendes oder gar kreatives Zutun erzeugte graphische Abarbeitungsprotokolle von Algorithmen), das in seiner Grundstruktur der biologischen Genexpression nachempfunden ist. So ist die hier parametrisch-mental erreichte Formenvielfalt wohl in vielfacher Hinsicht mit der Biodiversität vergleichbar.
AsSis ist auch ein effizienter und noch wenig ausgeloteter Ideen- und Patterngenerator für computergestütztes Design und Visual Analysis.

Strukturbildungsalgorithmen wie AsSis schlagen eine Brücke zwischen dem Schönen, dem Abstrakten und dem Nützlichen, sie stellen aber auch die philosophische Frage nach dem Woher.

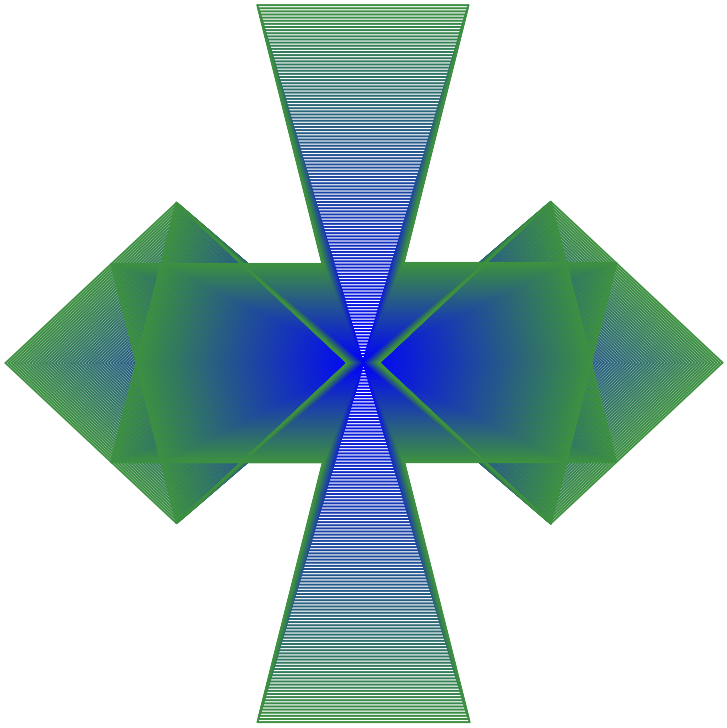


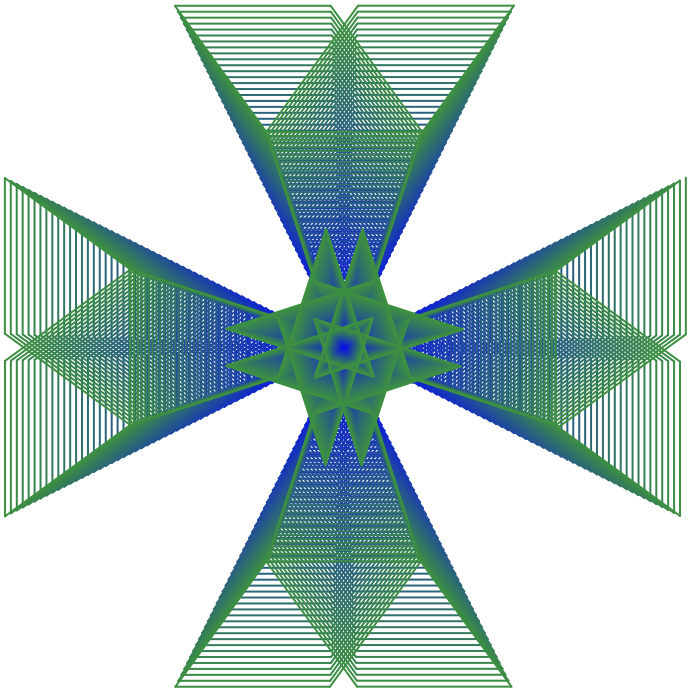




Malta Variations

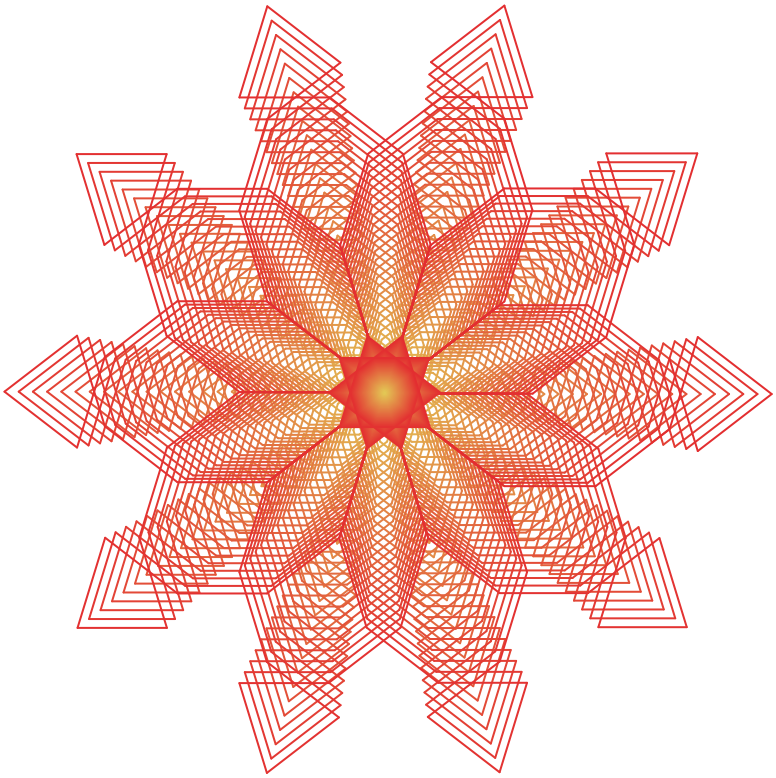
Signa in silico 2010

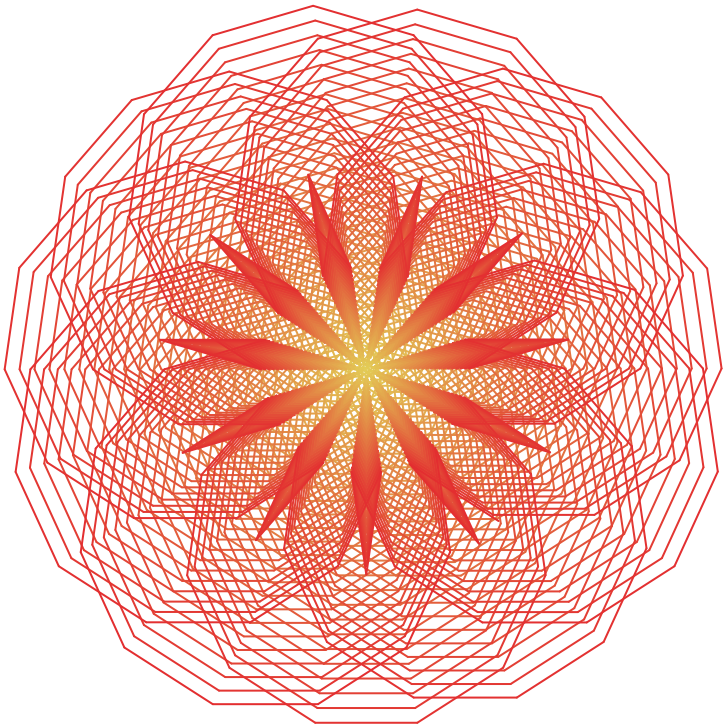


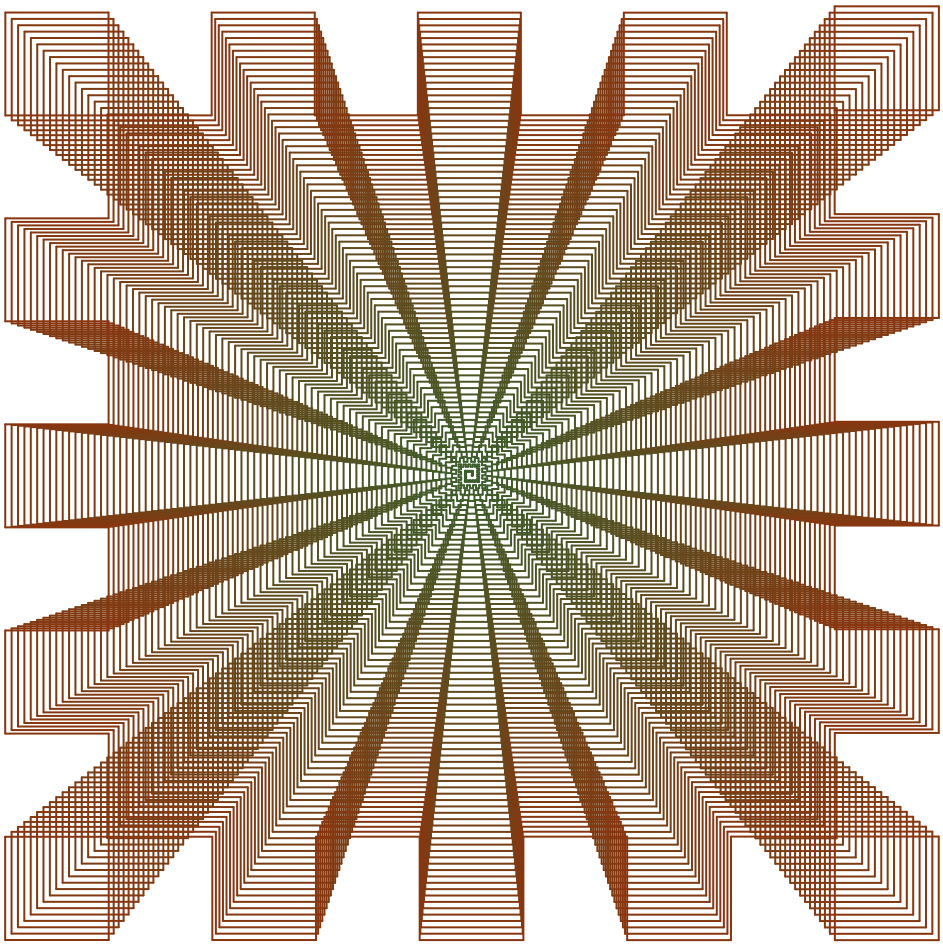


Malta Variations

Signa in silico 2010

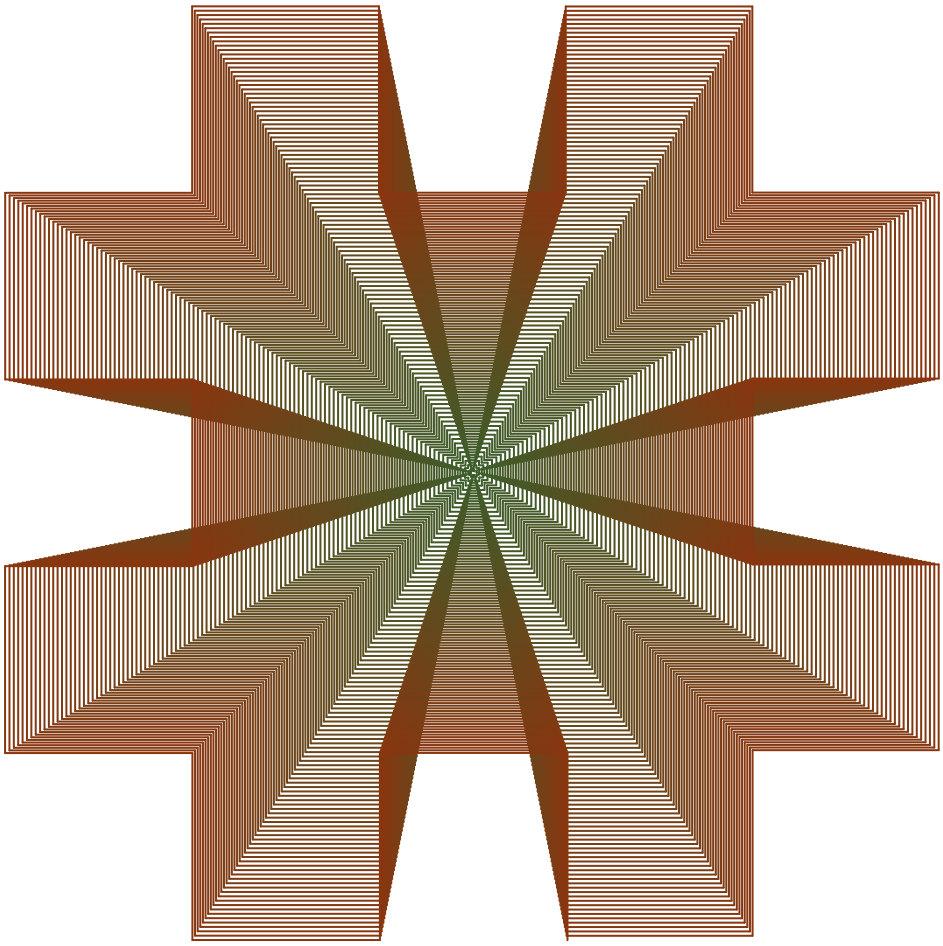






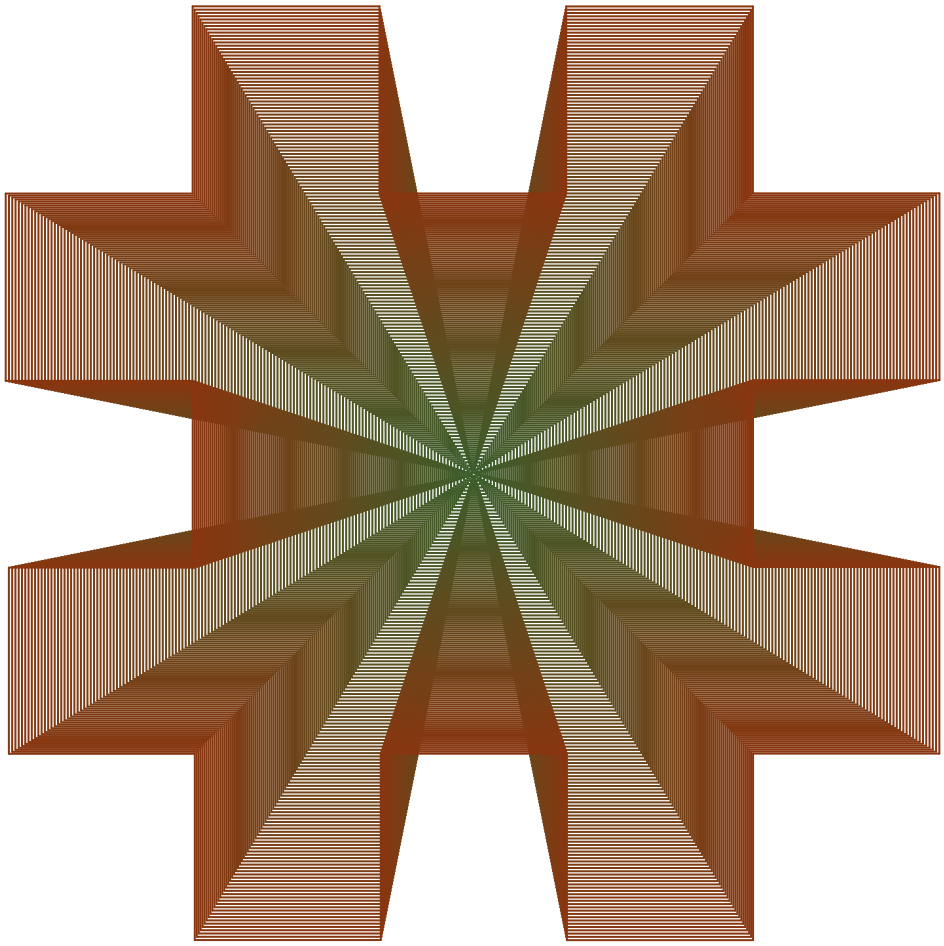
The Fortress Gravity I

Signa in silico 2010



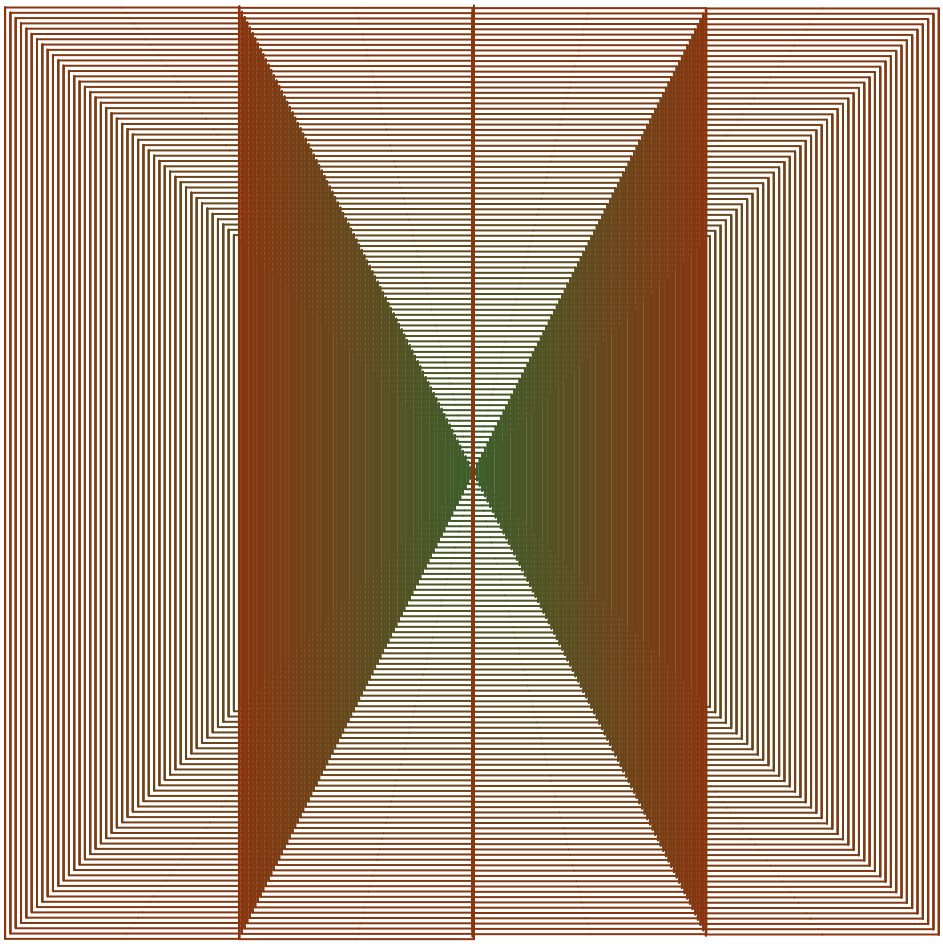
The Fortress Gravity II

Signa in silico 2010



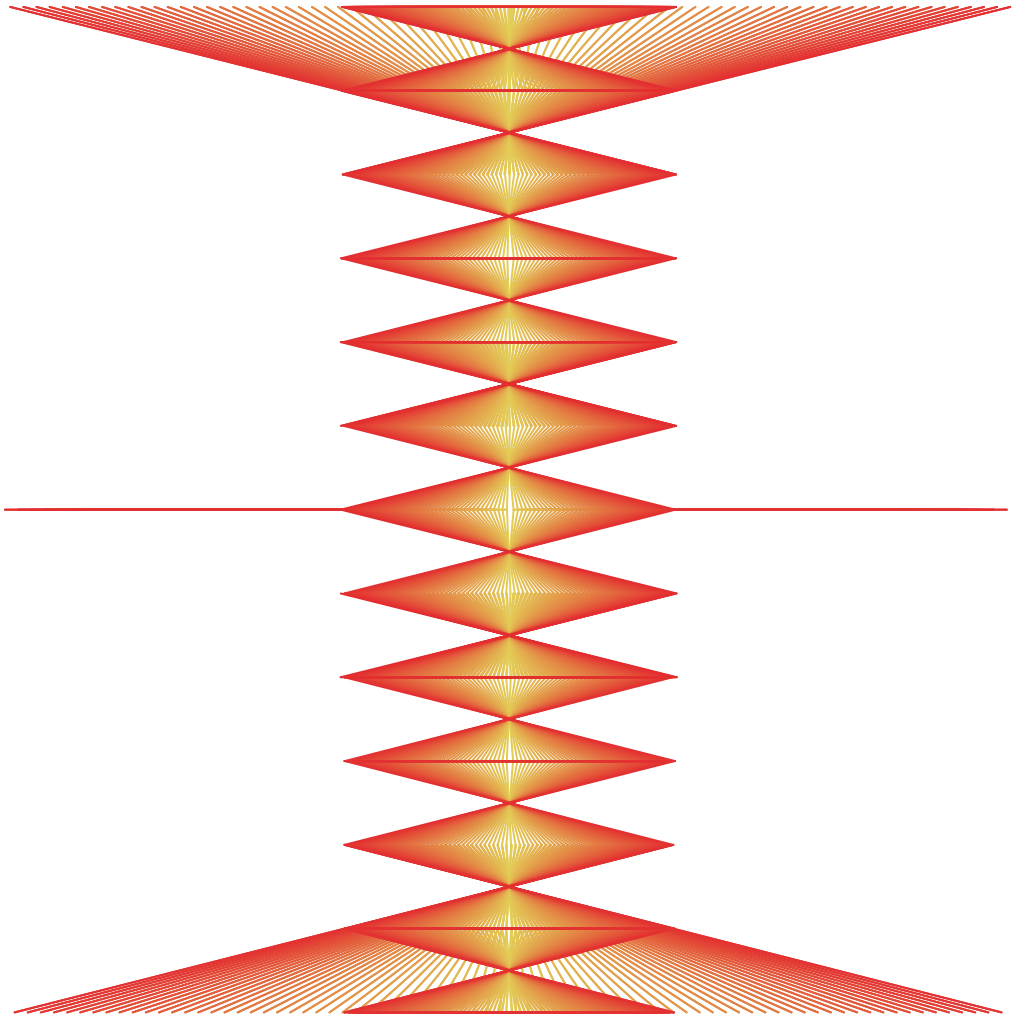
The Fortress Gravity III

Signa in silico 2010



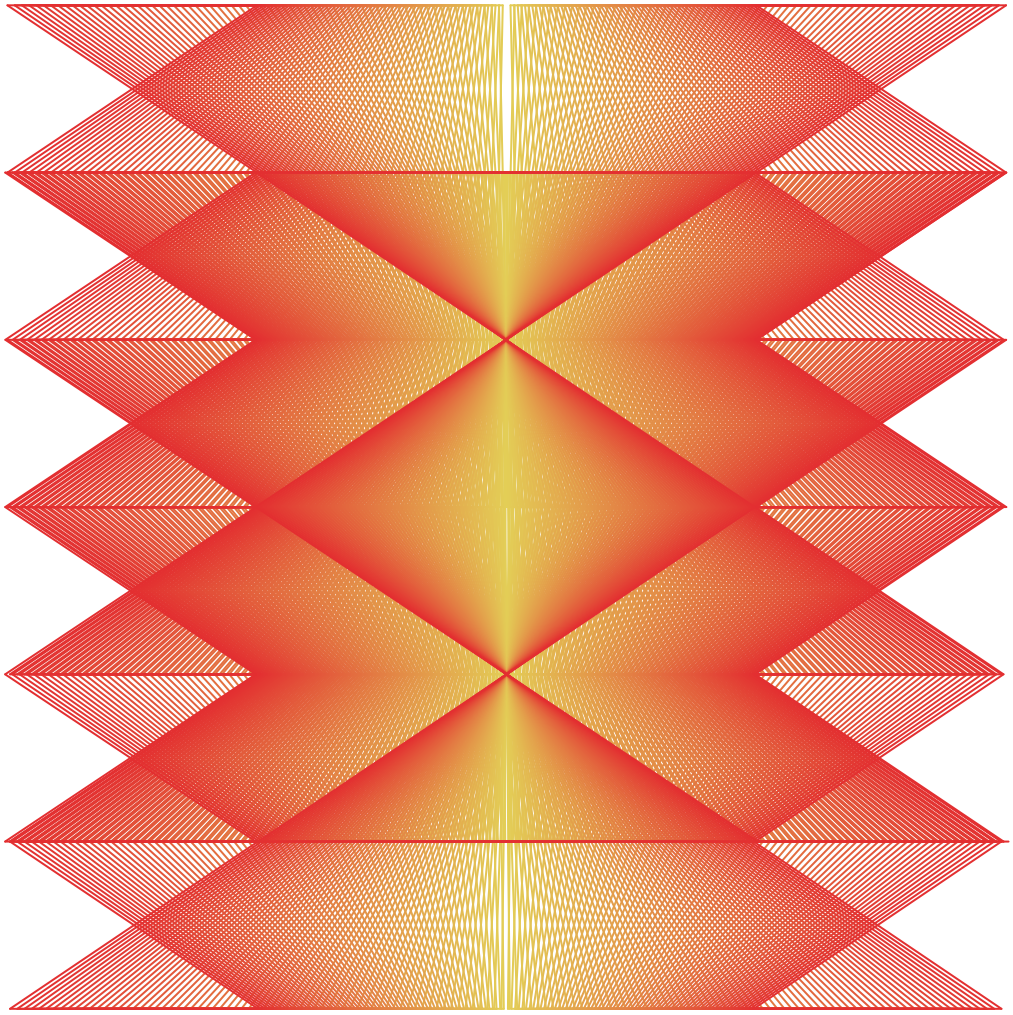
In Balance

Signa in silico 2010



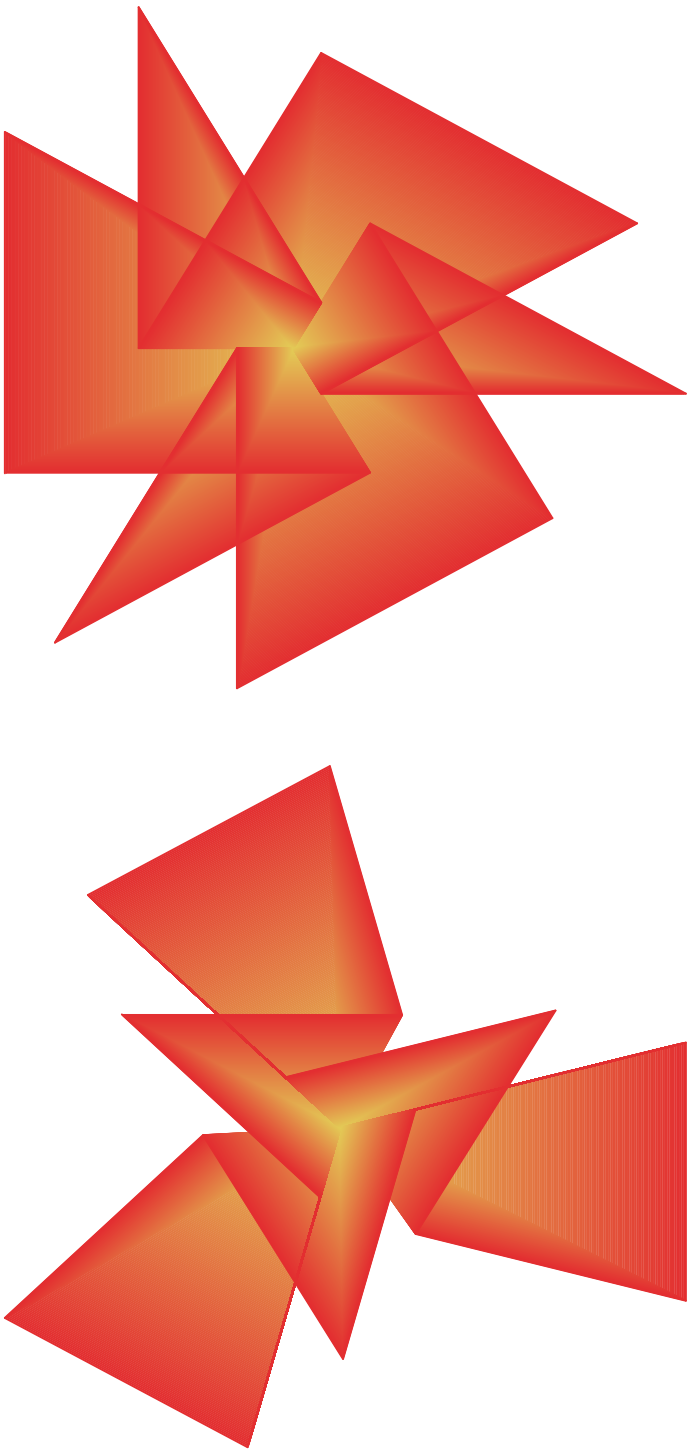
Metamaterial I

Signa in silico 2010



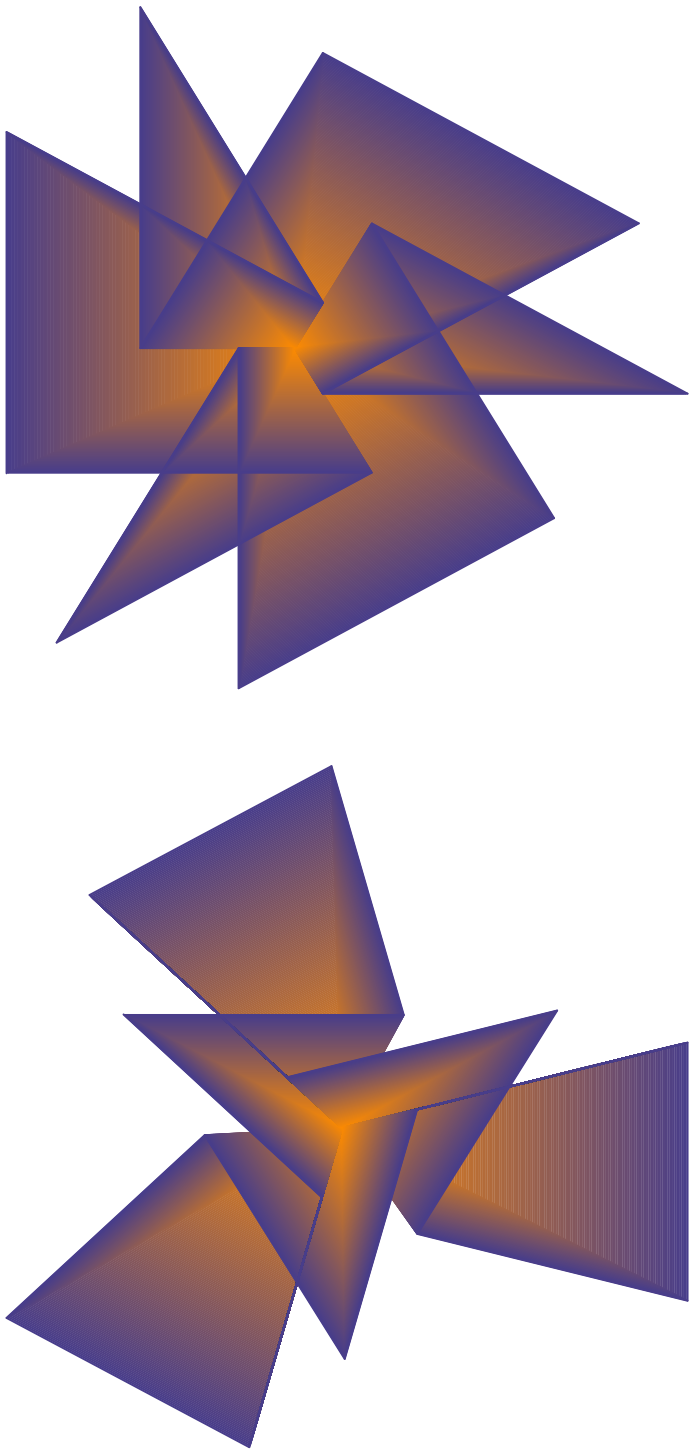
Metamaterial II

Signa in silico 2010



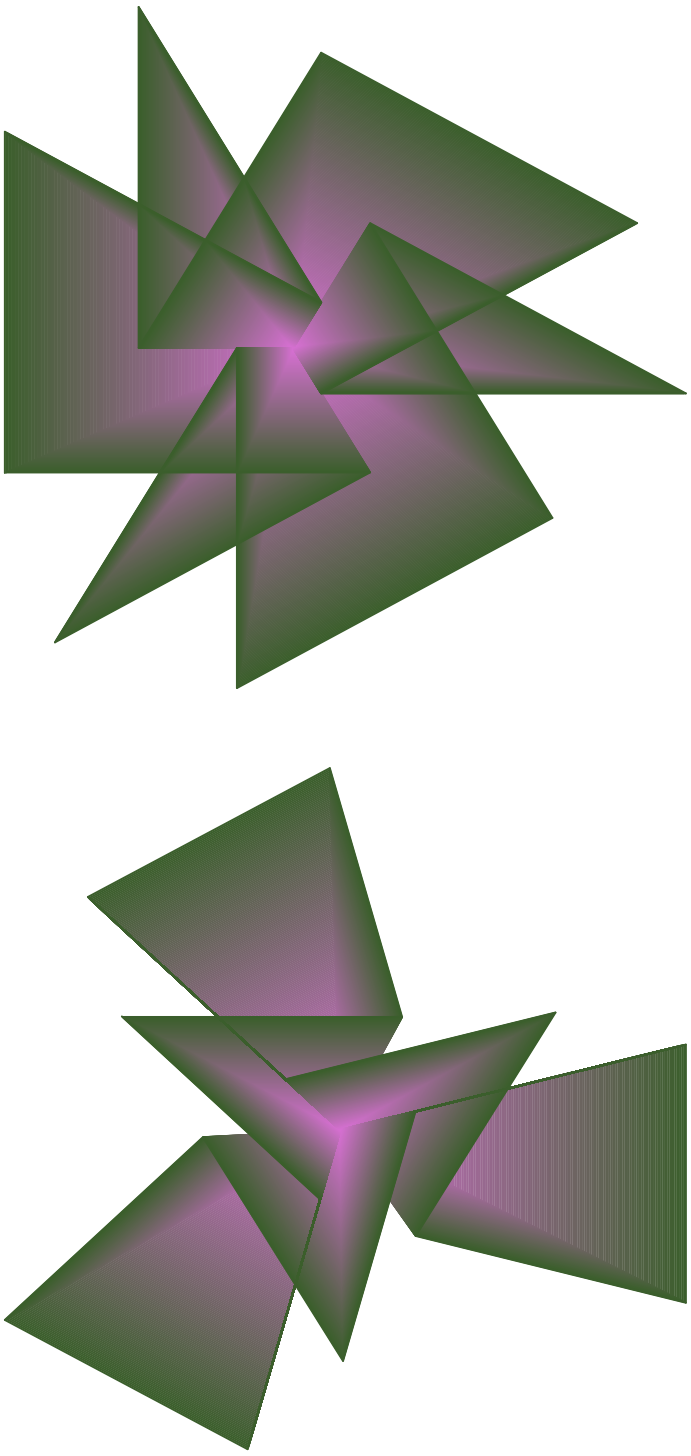
Separation and Recovery

Signa in silico 2010



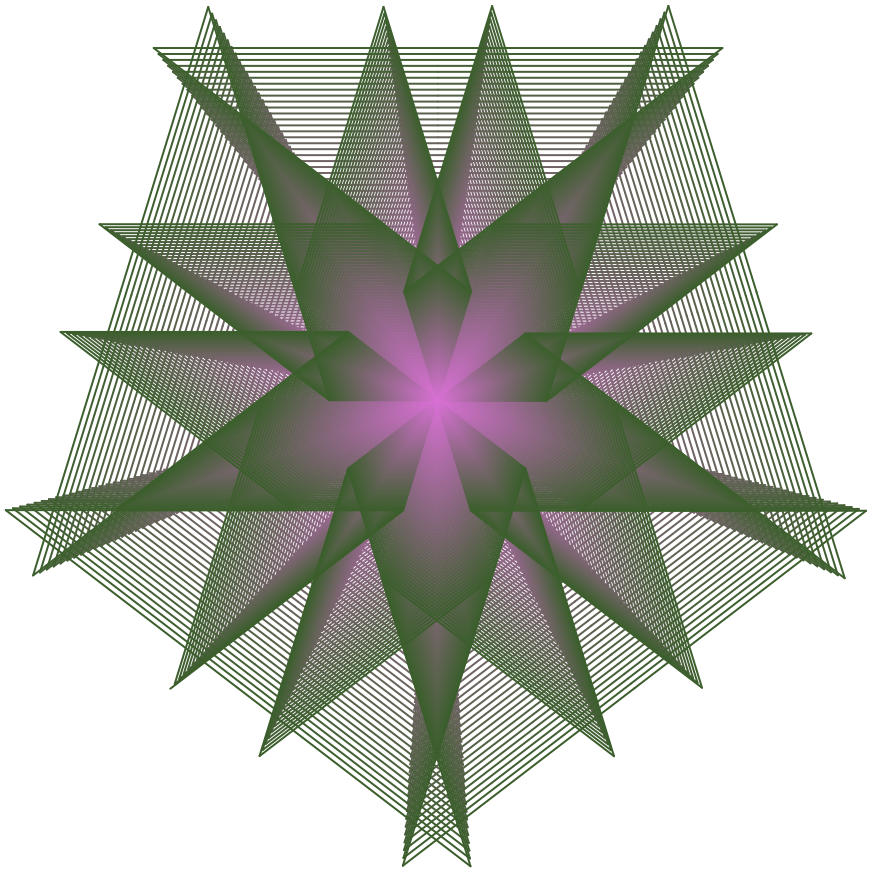
Separation and Recovery

Signa in silico 2010



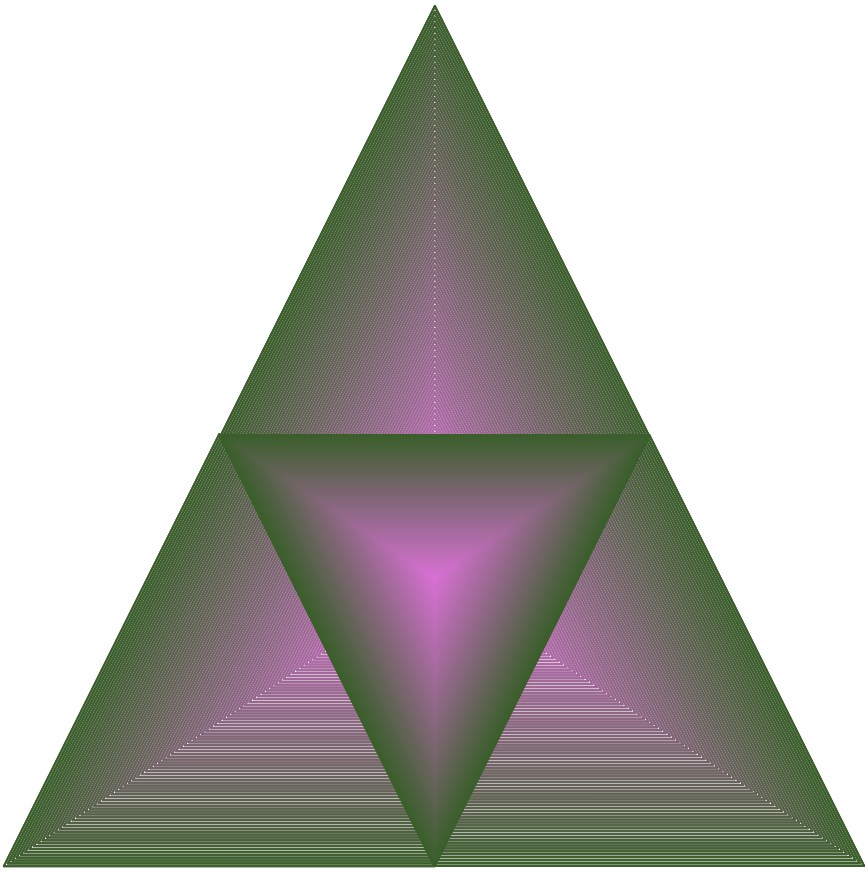
Separation and Recovery

Signa in silico 2010



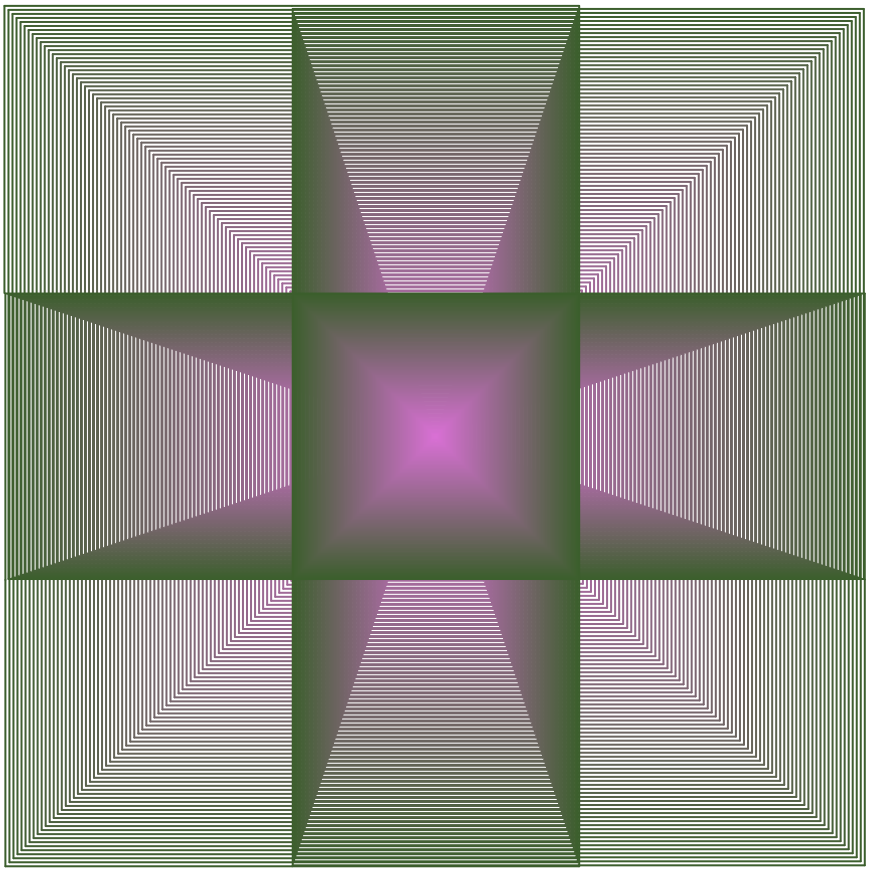
Pentagramion

Signa in silico 2010



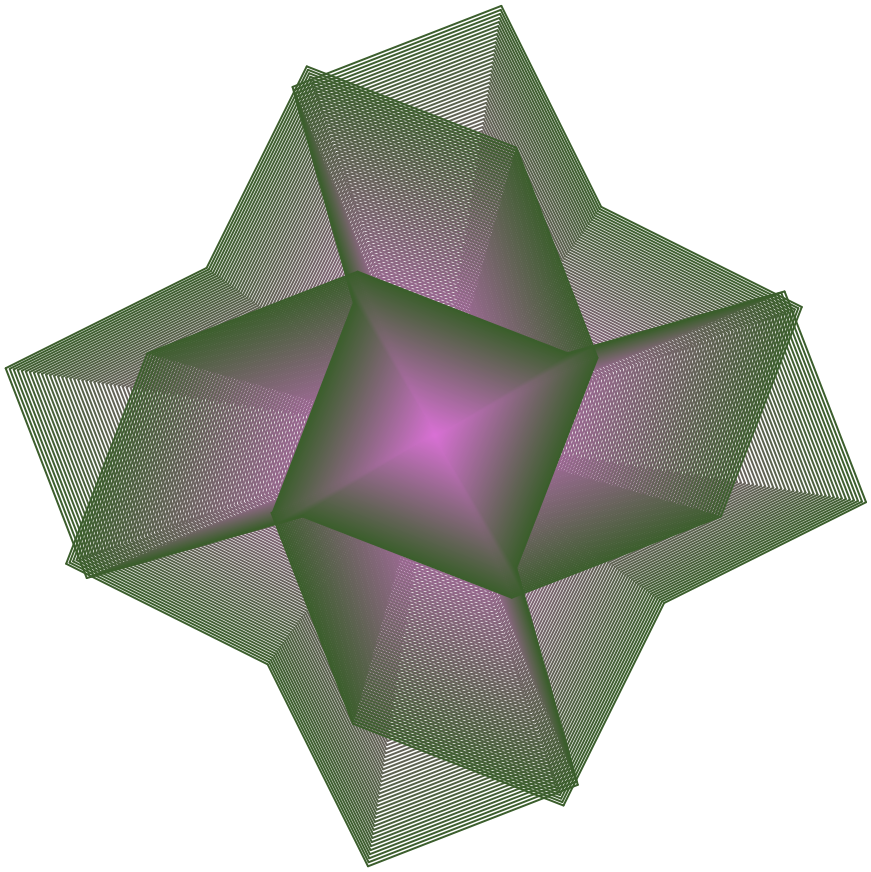
Triangle Tiling

Signa in silico 2010



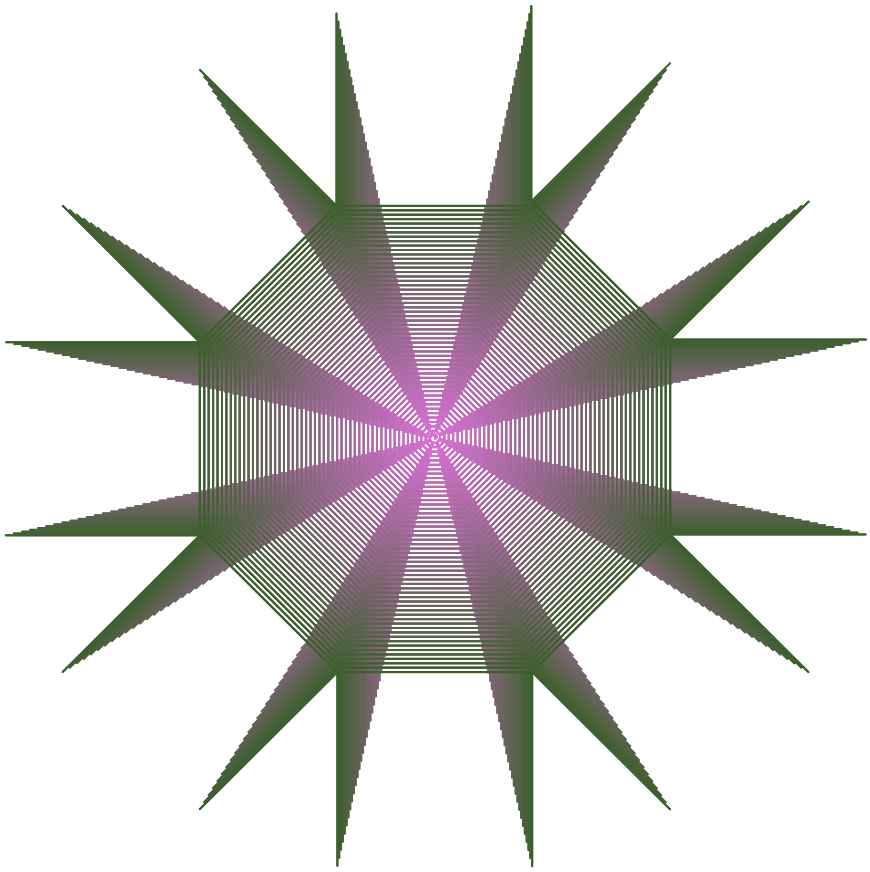
Square Tiling

Signa in silico 2010



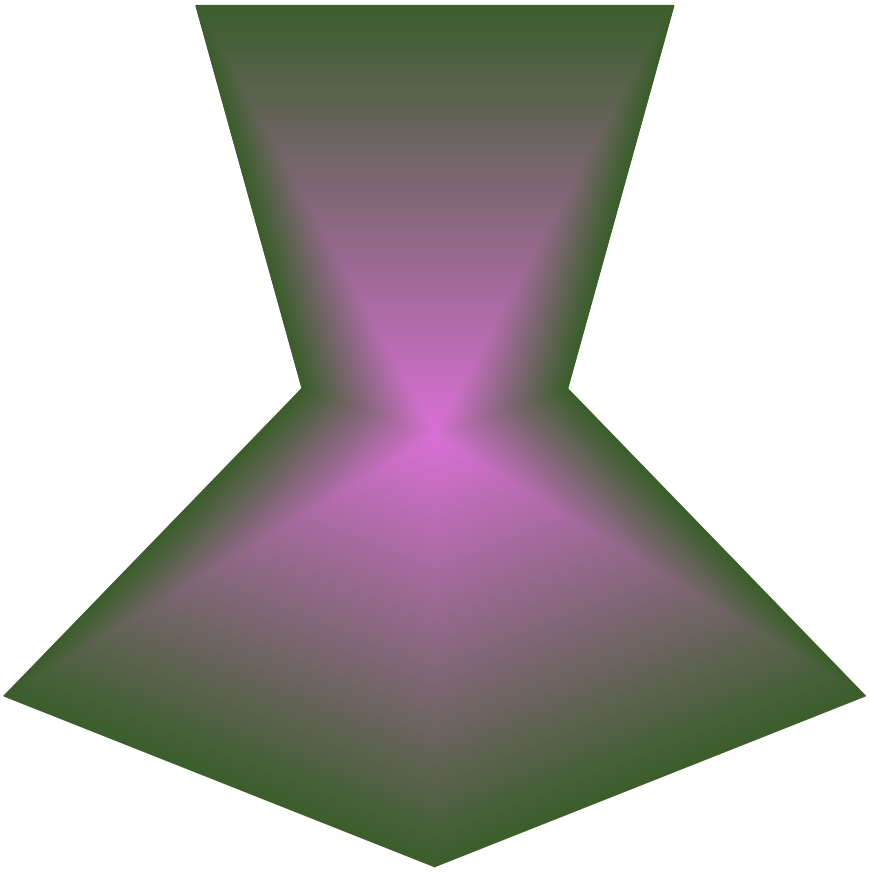
Quadrilateral Tiling

Signa in silico 2010



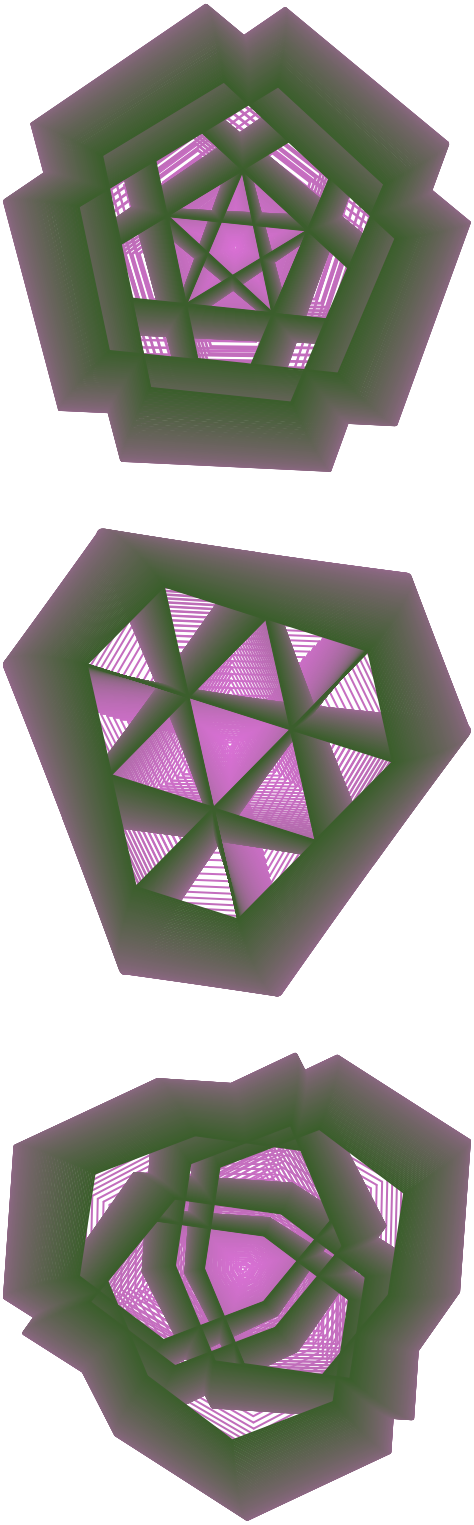
Double Malta

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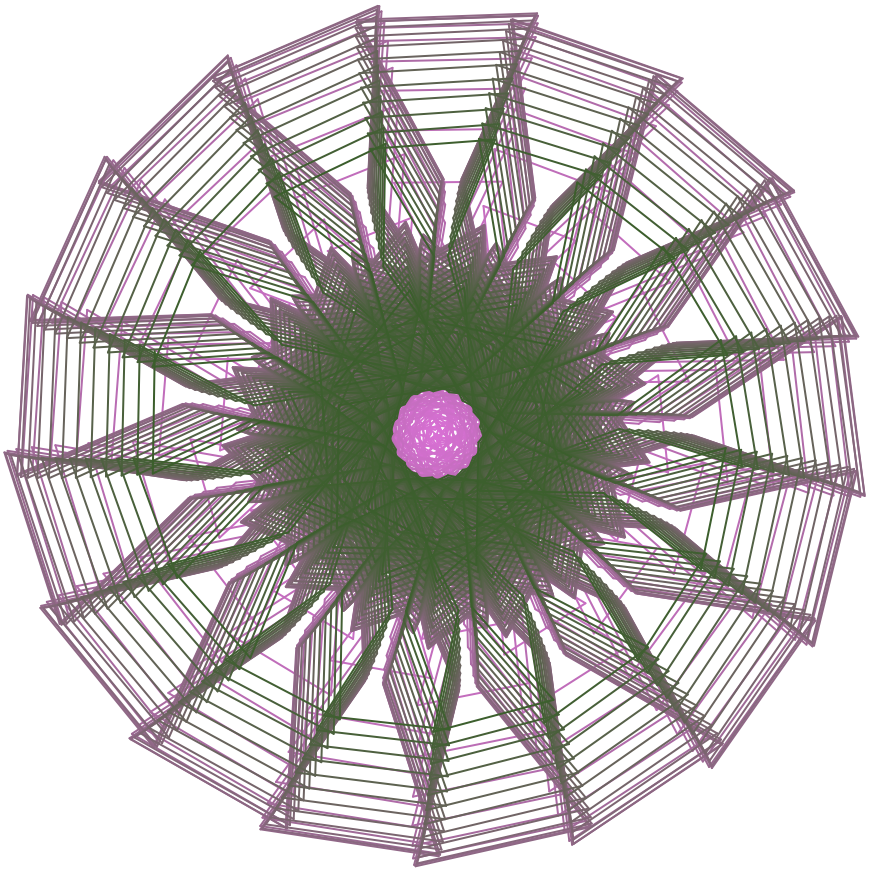
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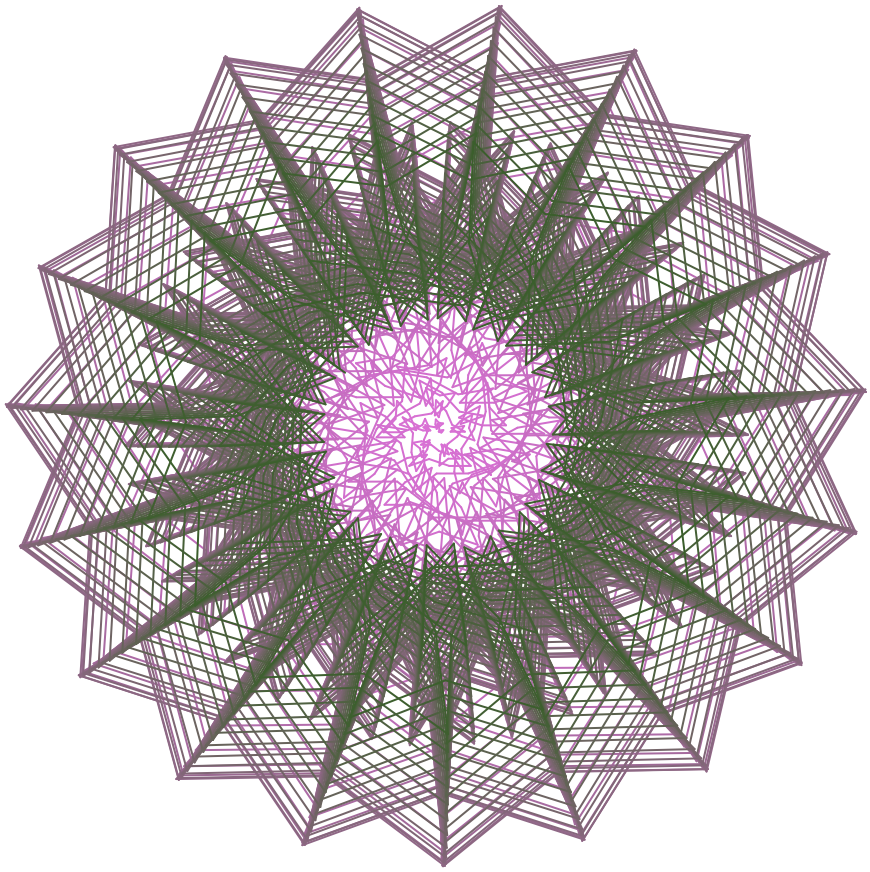
Magic Windows

Signa in silico 2010



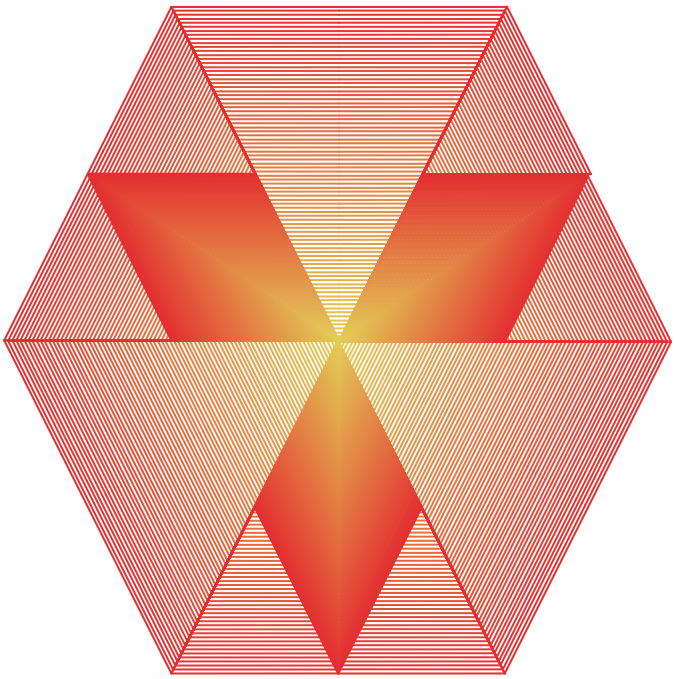
Gaussion

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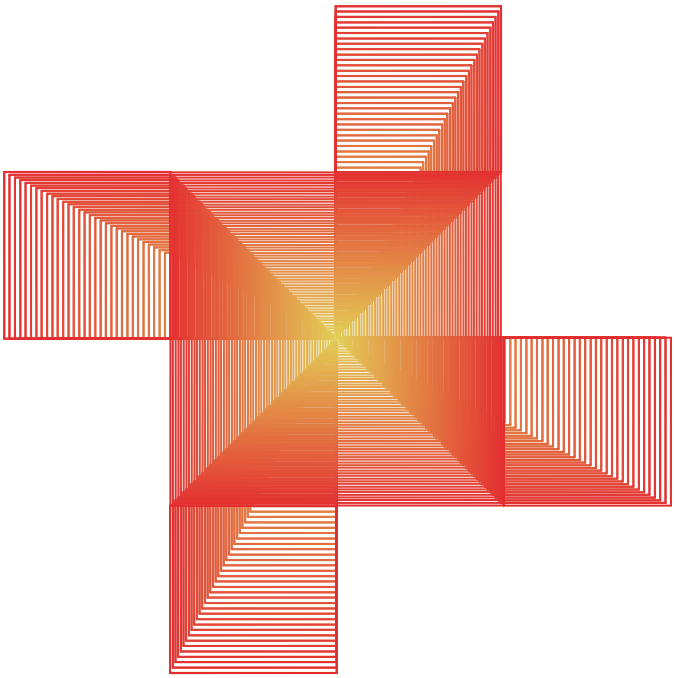


19–gon of Power

Signa in silico 2010

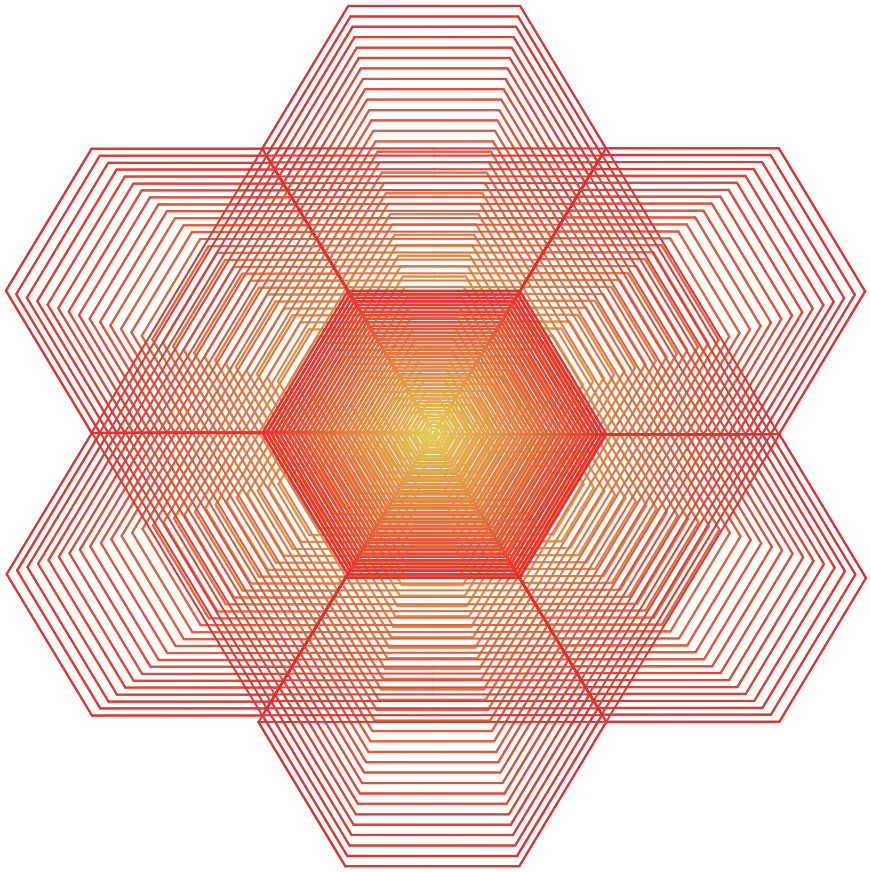


Tripaving



Quadropaving

Signa in silico 2010



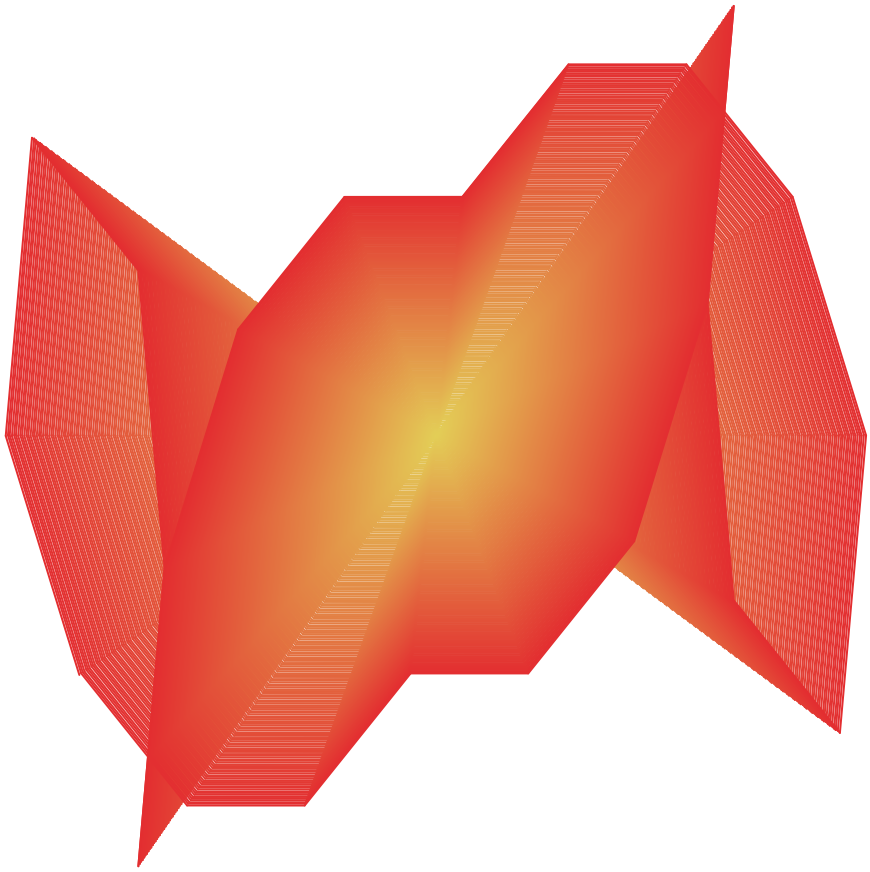
Hexapaving

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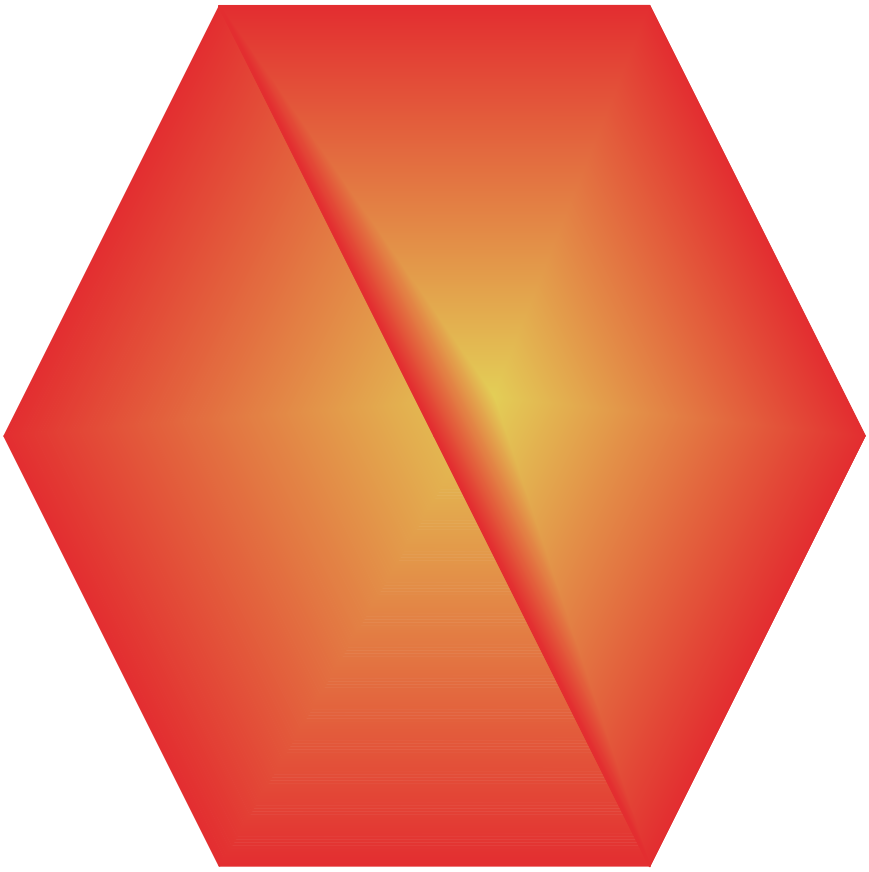
Eye for eye – tooth for tooth

Signa in silico 2010



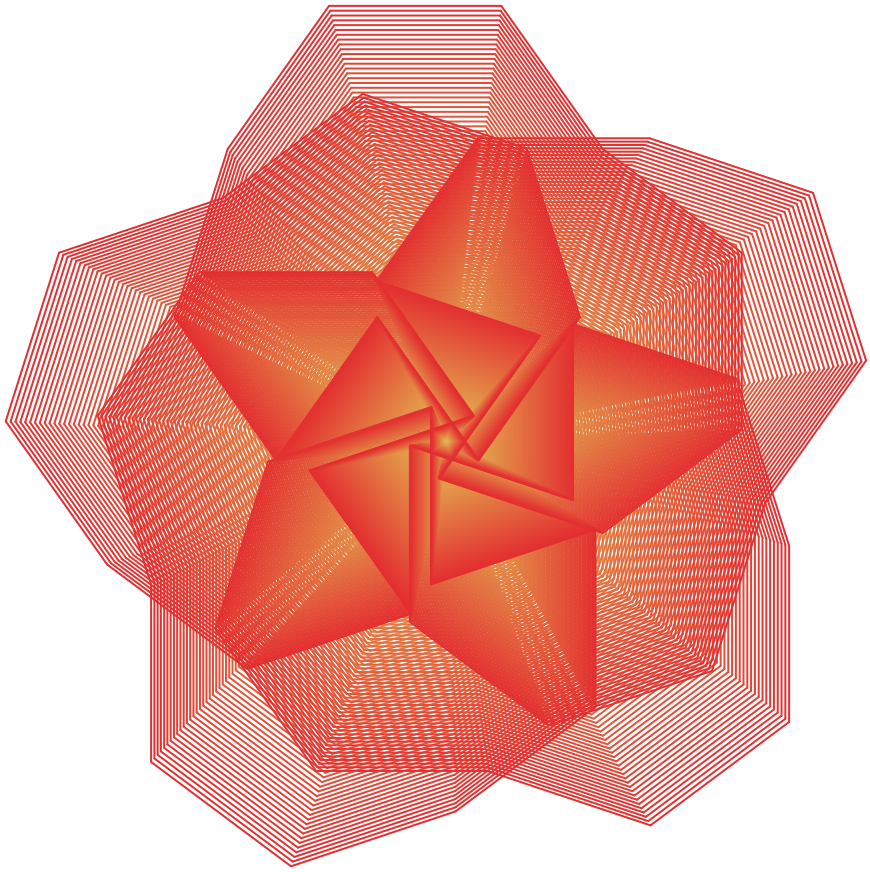
Lucifer's Dance

Signa in silico 2010



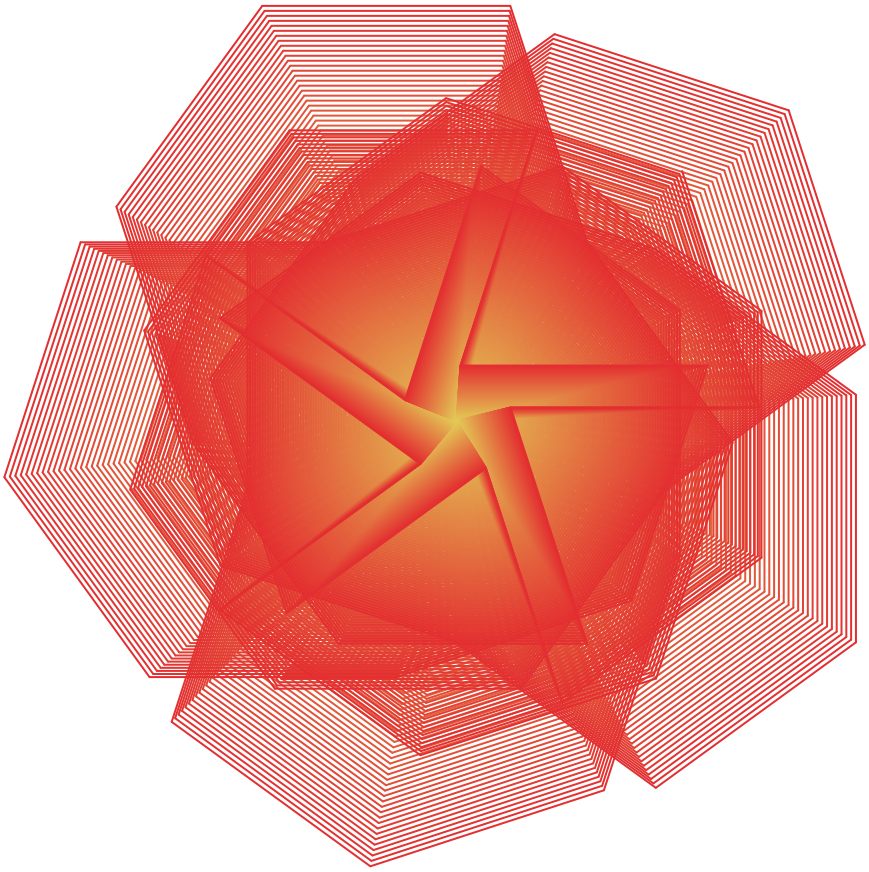
Intuition

Signa in silico 2010



Pentengine I

Signa in silico 2010



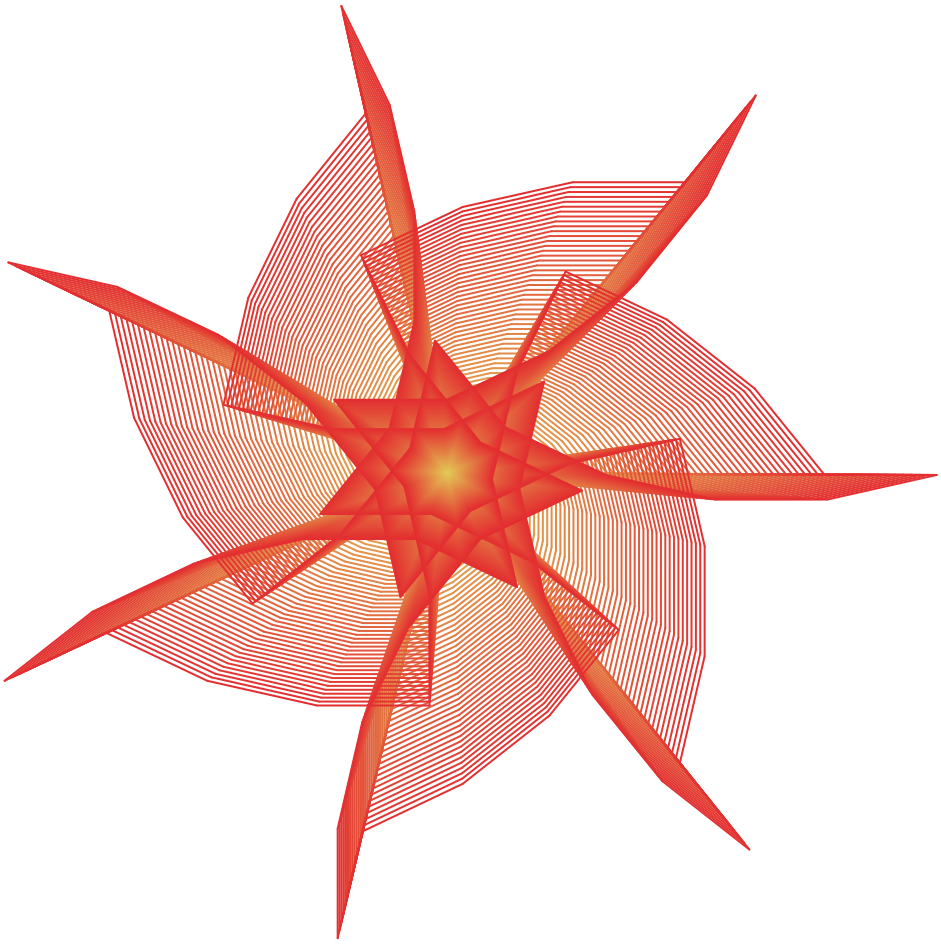
Pentengine II

Signa in silico 2010



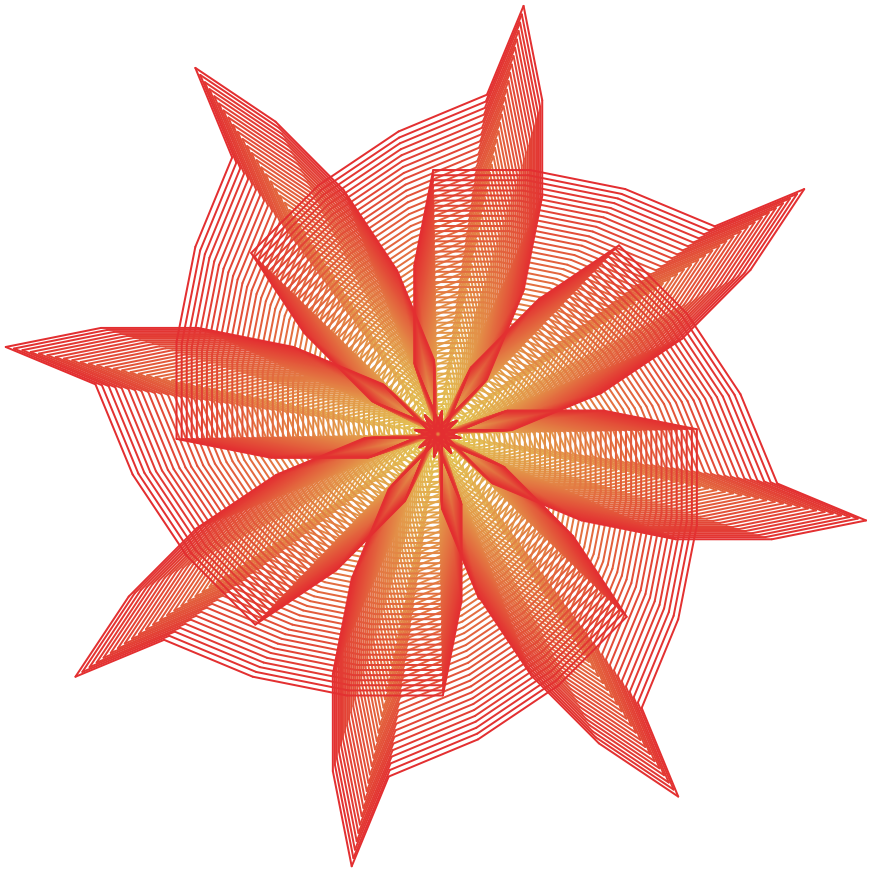
Flying Wings I

Signa in silico 2010



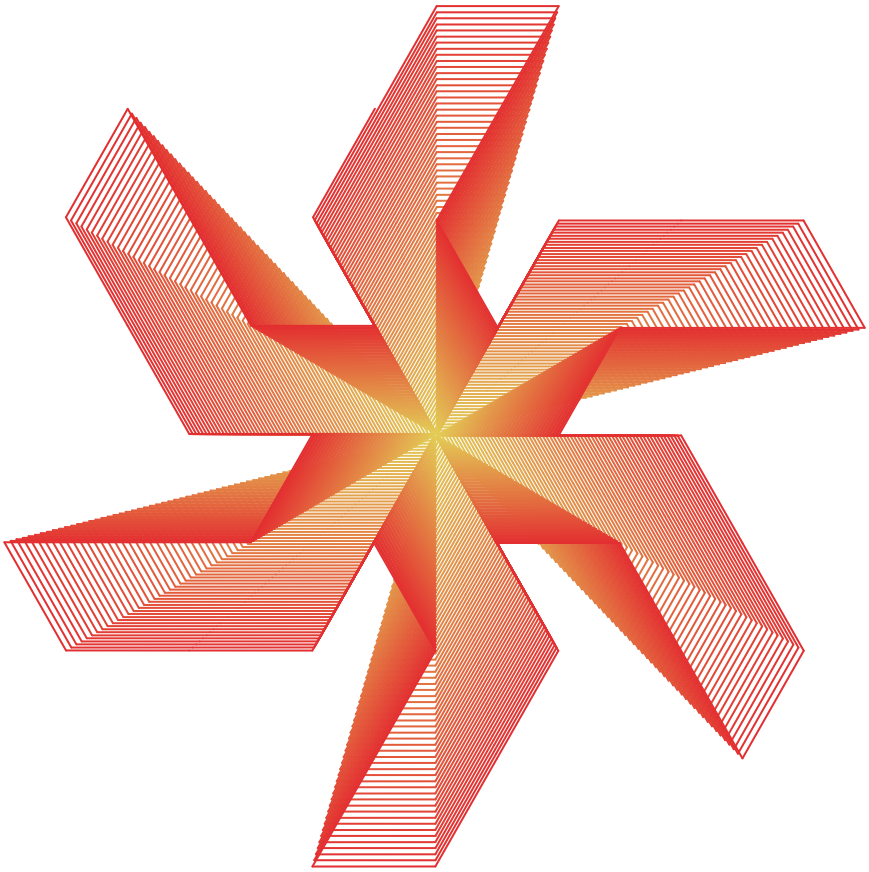
Flying Wings II

Signa in silico 2010



Flying Wings III

Signa in silico 2010



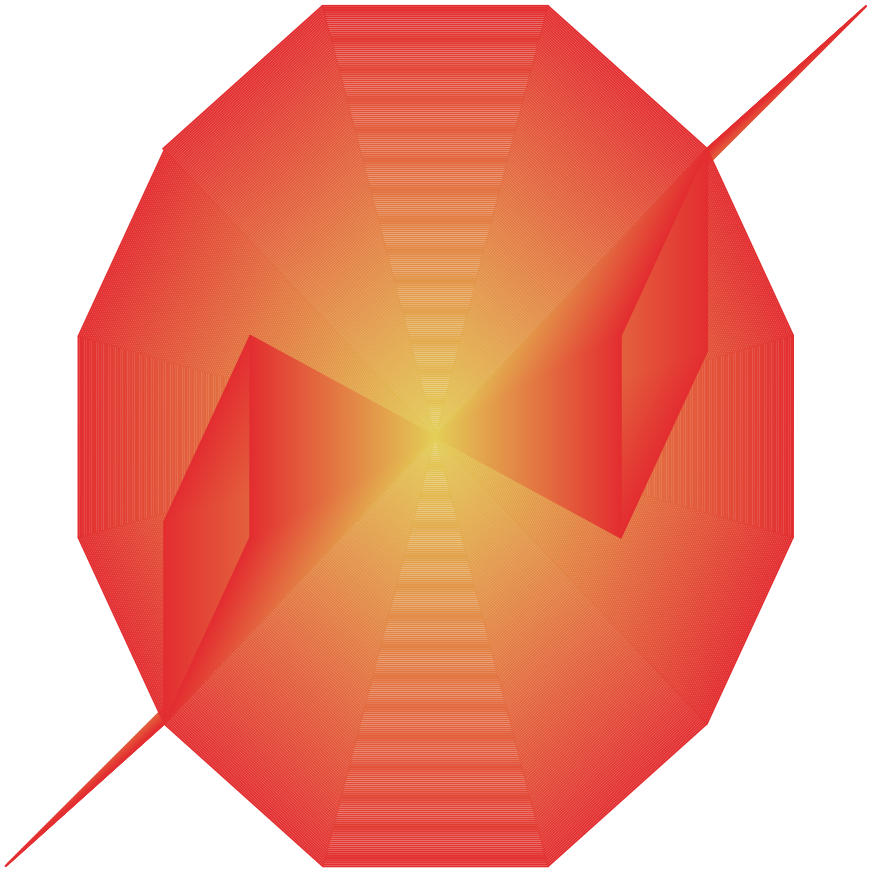
Flying Wings IV

Signa in silico 2010



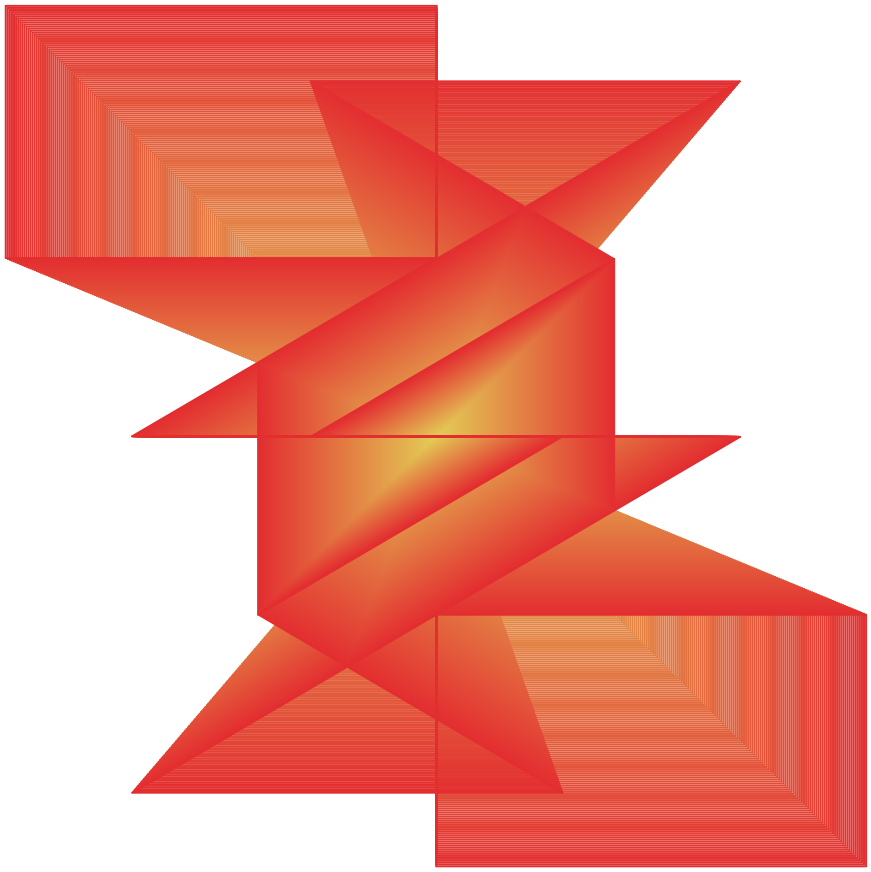
Magic Lock

Signa in silico 2010



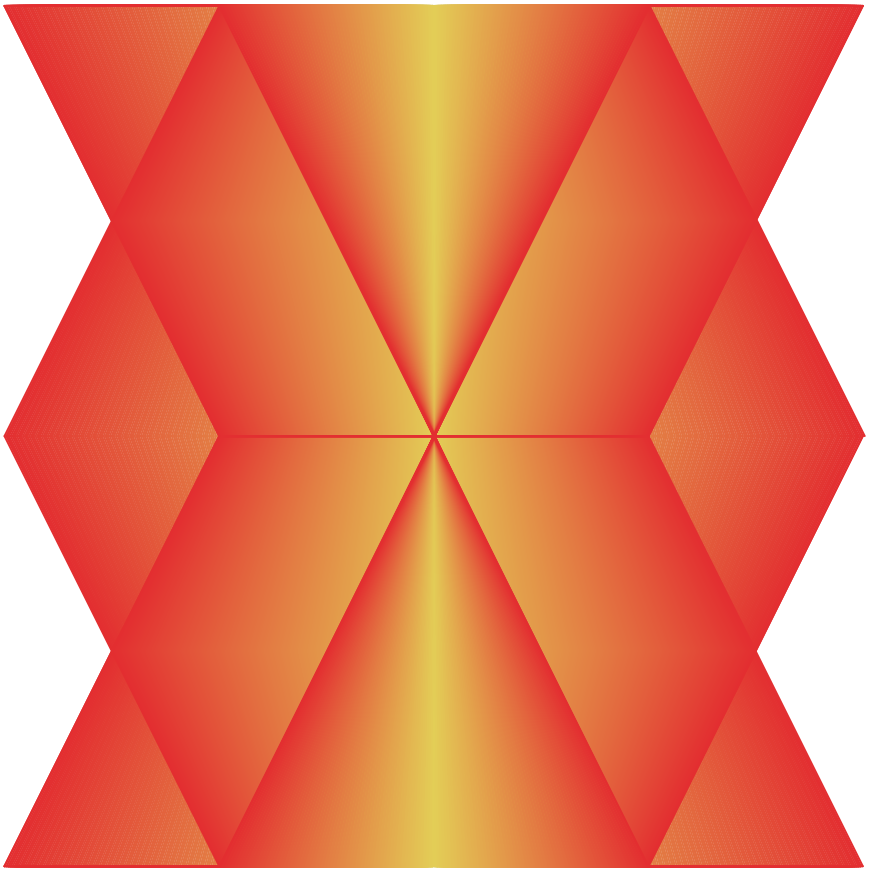
In statu Nascendi

Signa in silico 2010



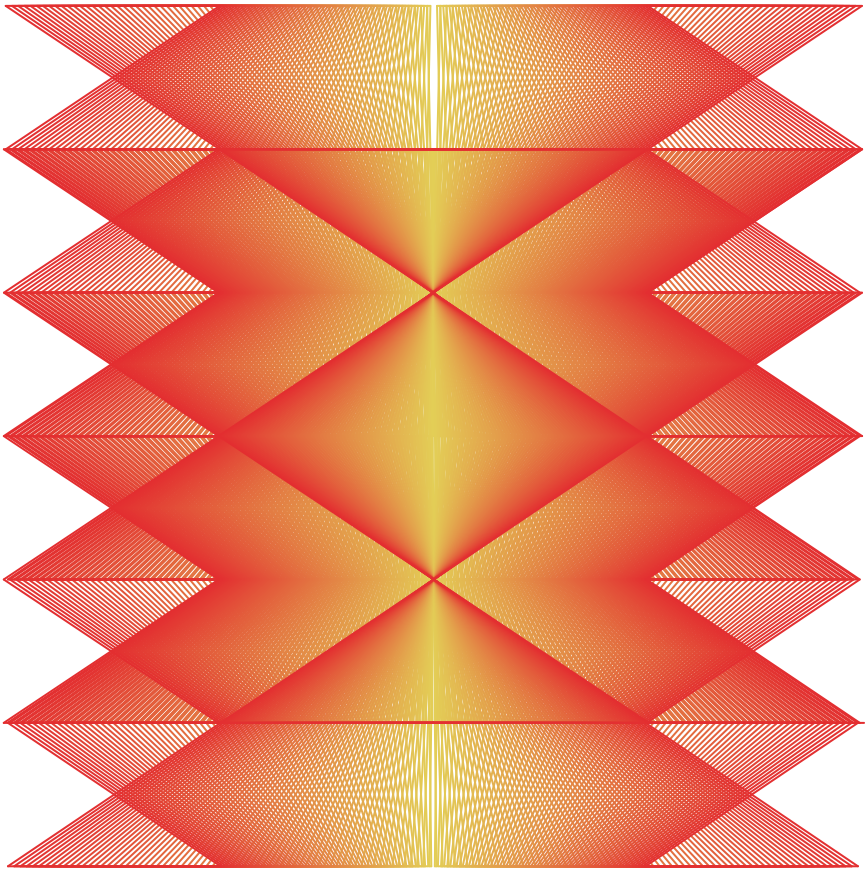
Cubistic Pillar I

Signa in silico 2010



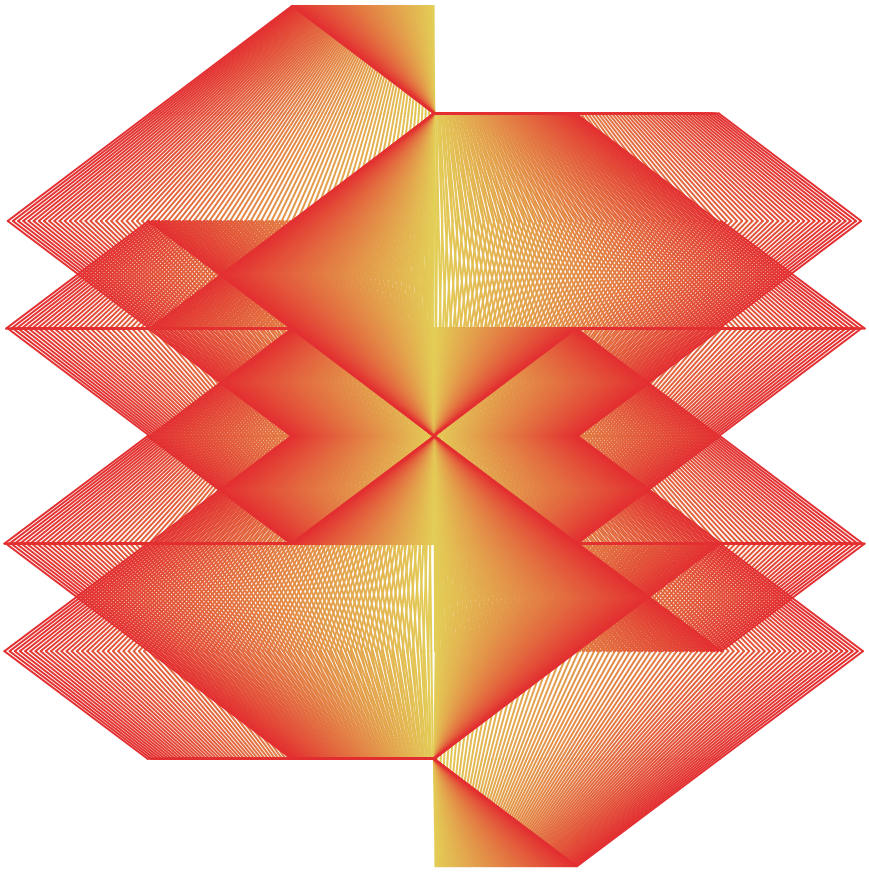
Cubistic Pillar II

Signa in silico 2010



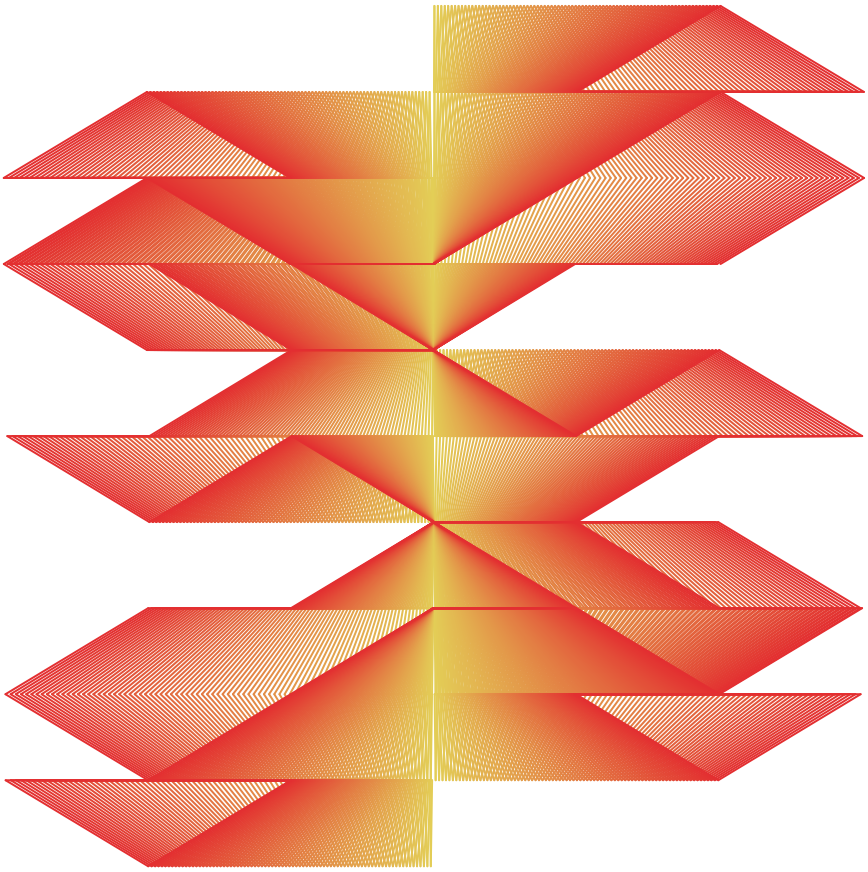
Cubistic Pillar III

Signa in silico 2010



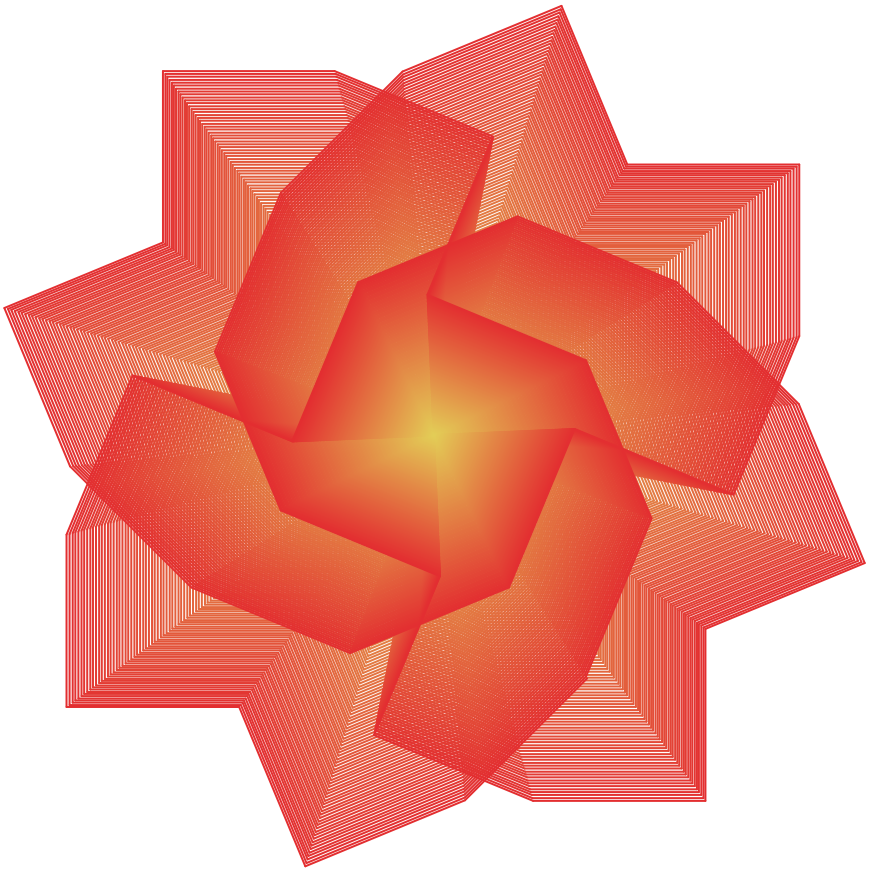
Cubistic Pillar IV

Signa in silico 2010



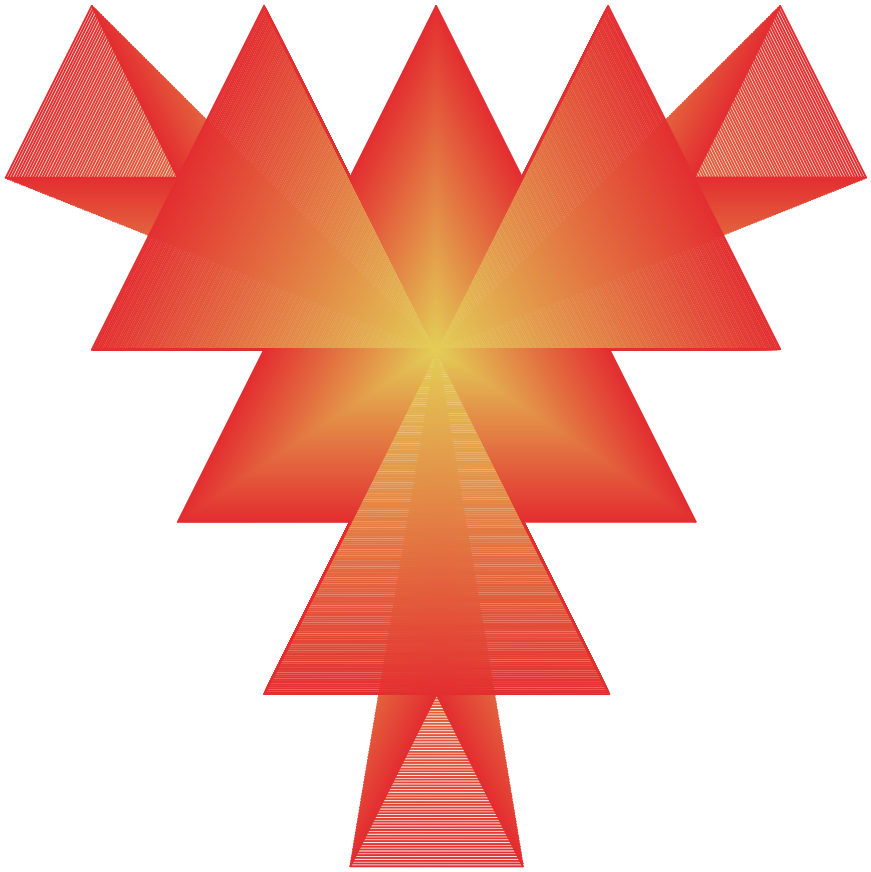
Cubistic Pillar V

Signa in silico 2010



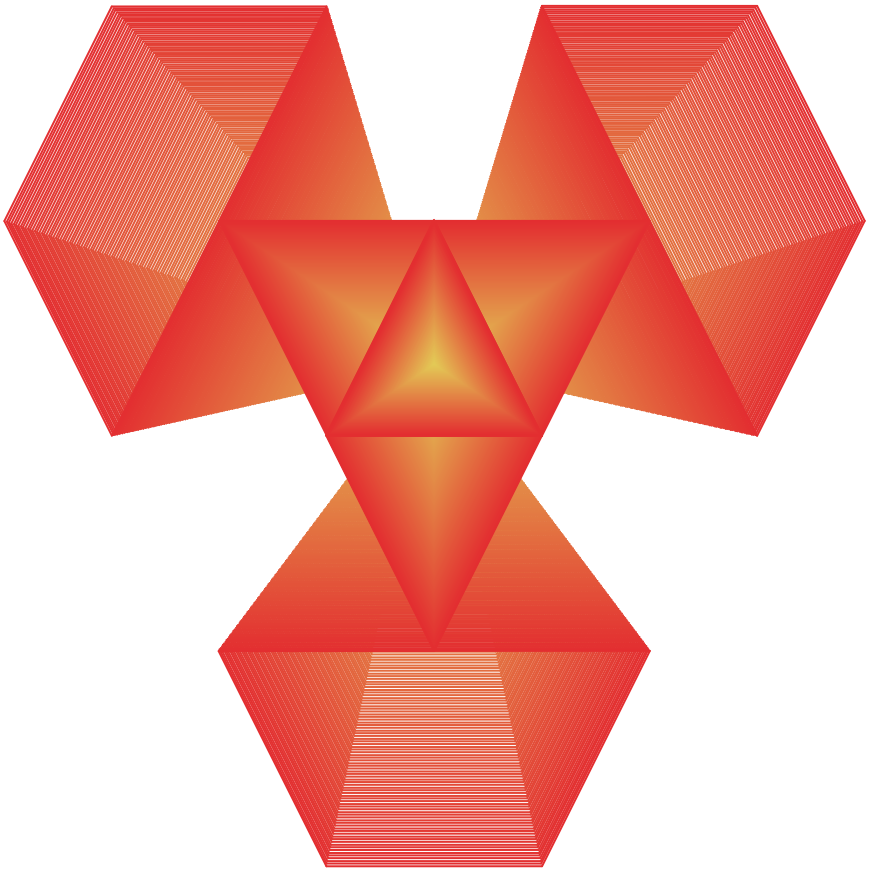
Quadroocto

Signa in silico 2010



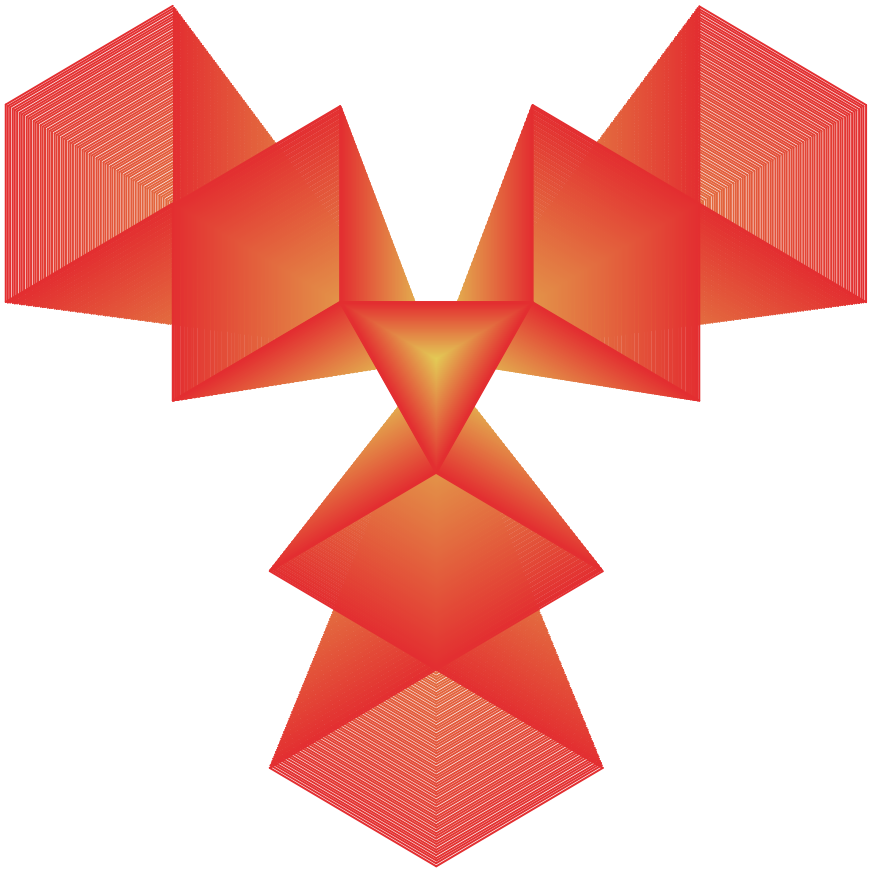
Trigram I

Signa in silico 2010



Trigram II

Signa in silico 2010



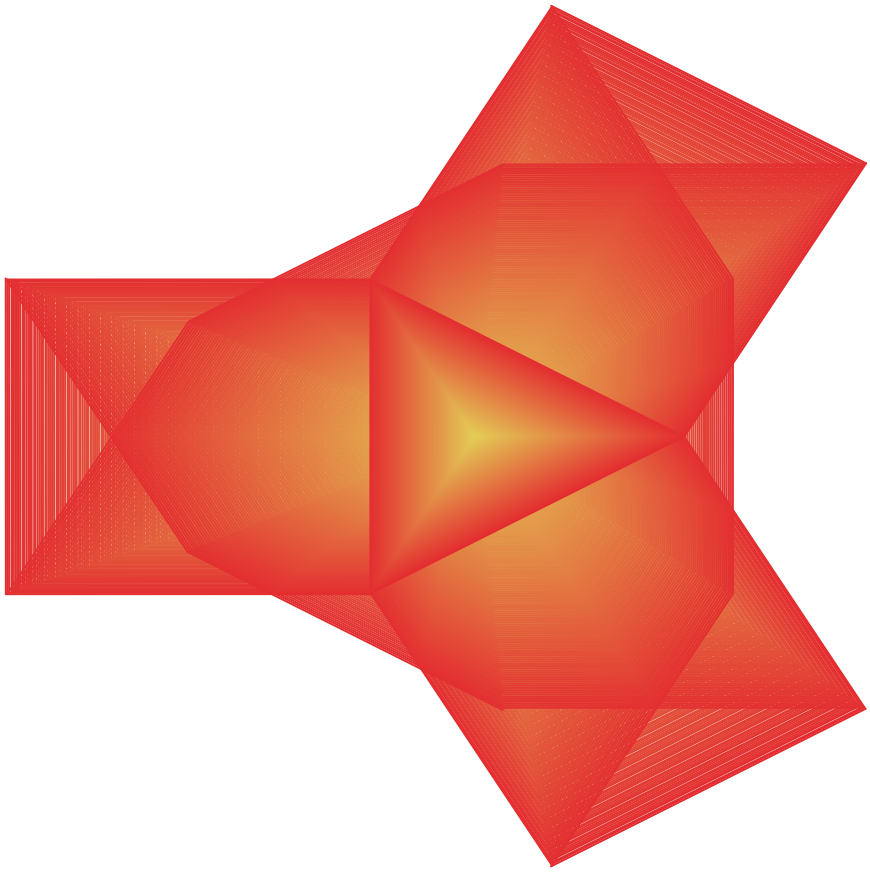
Trigram III

Signa in silico 2010



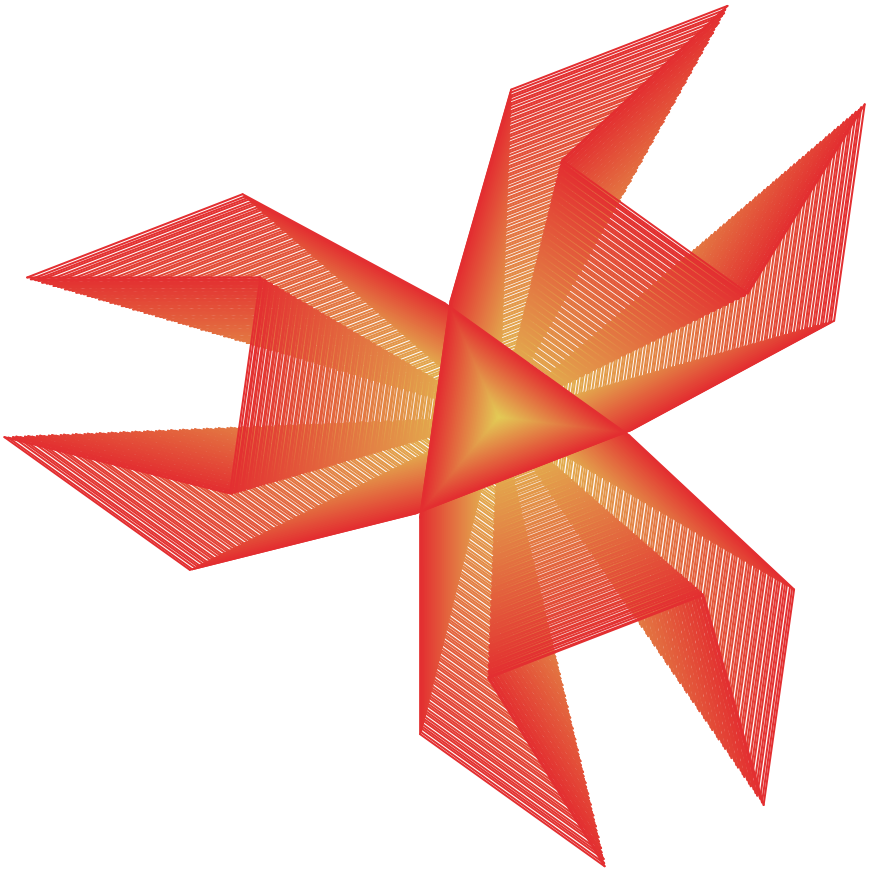
Trigram IV

Signa in silico 2010



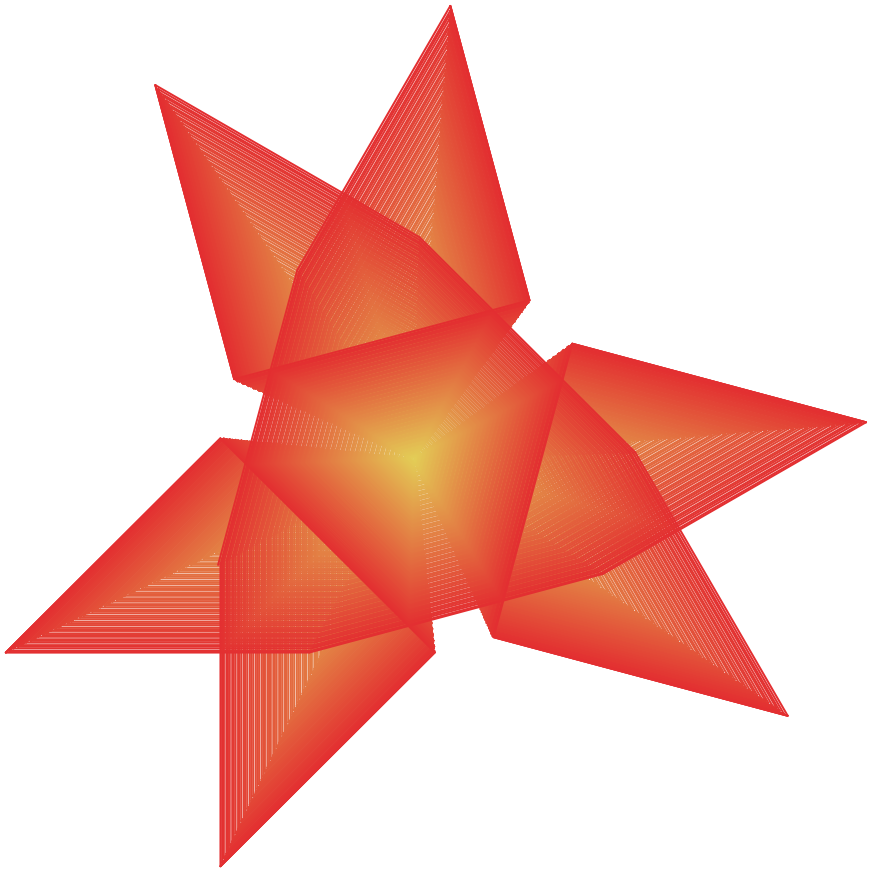
Trigram V

Signa in silico 2010



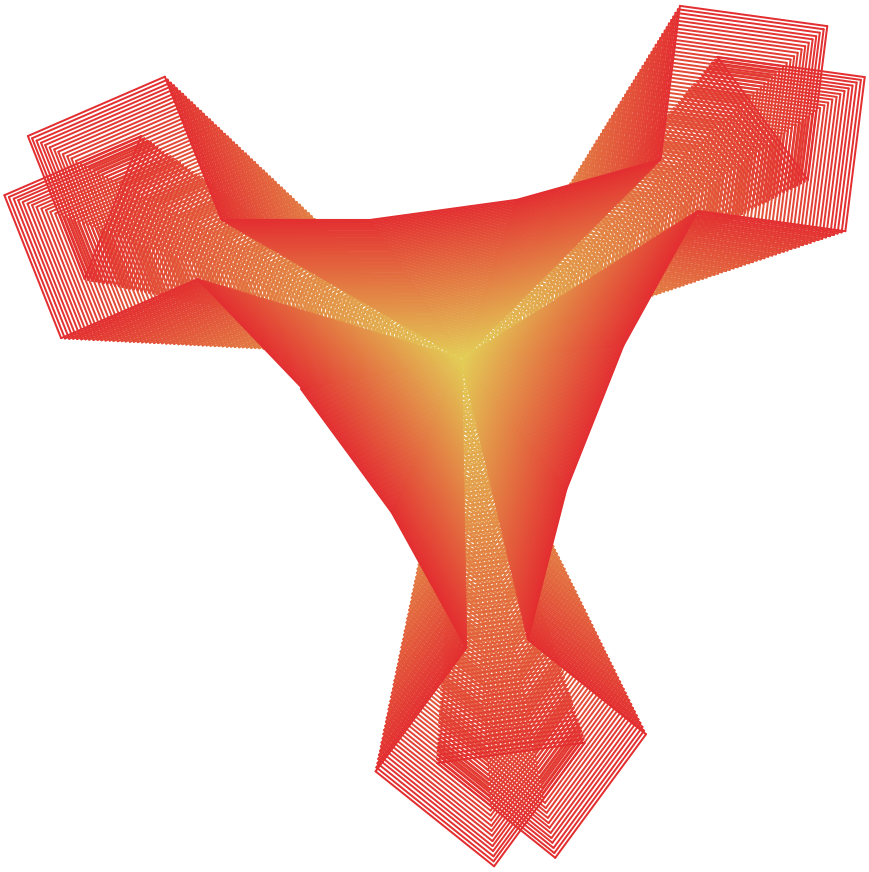
Trigram VI

Signa in silico 2010



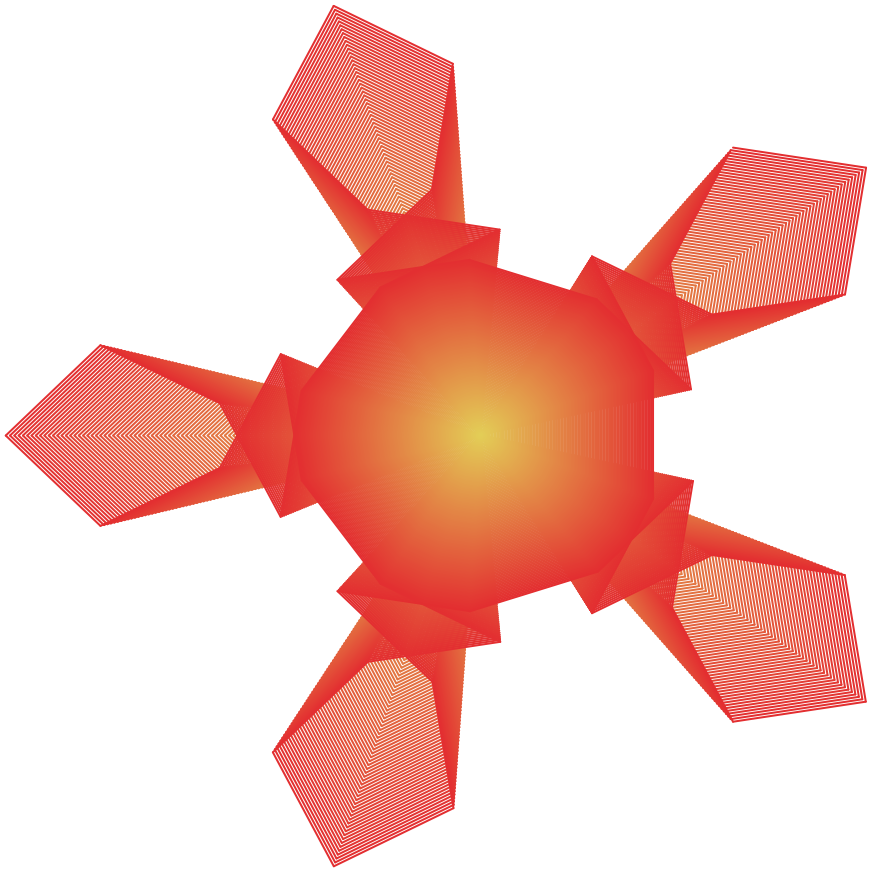
Trigram VII

Signa in silico 2010



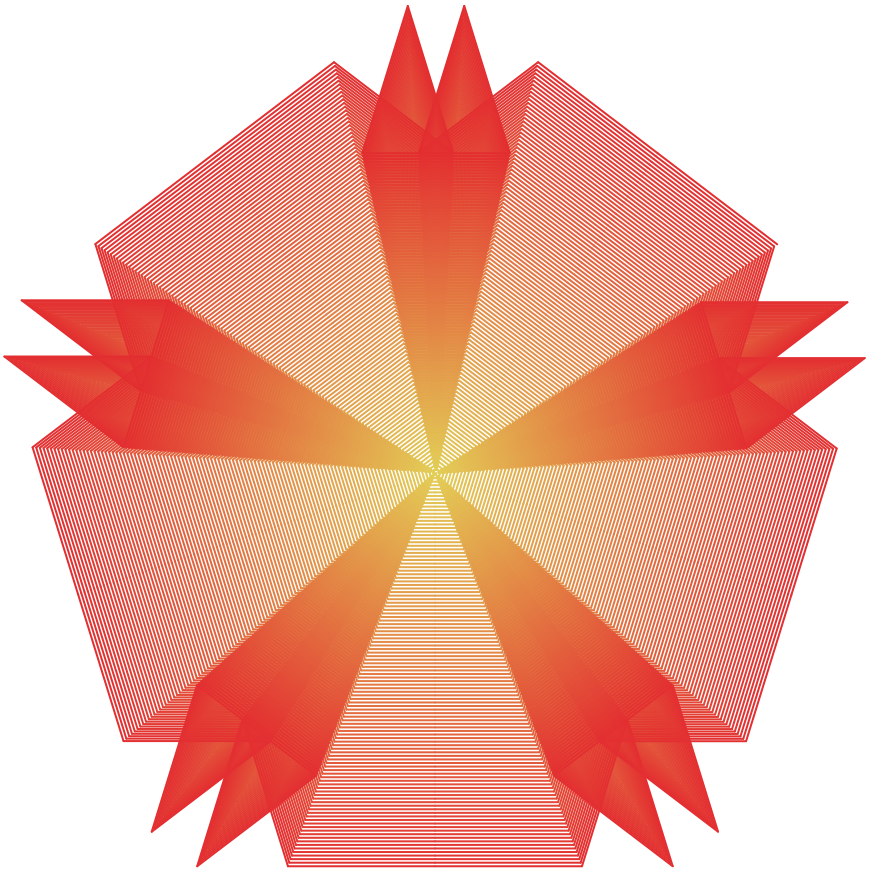
Trigram VIII

Signa in silico 2010



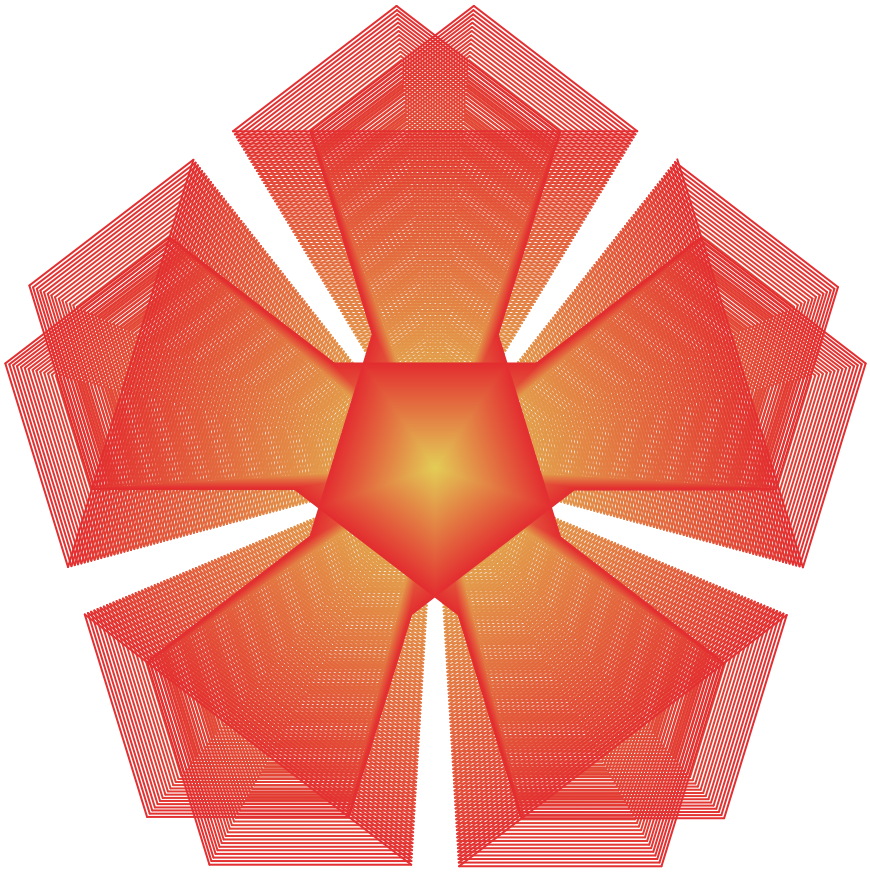
Pentashortsword

Signa in silico 2010



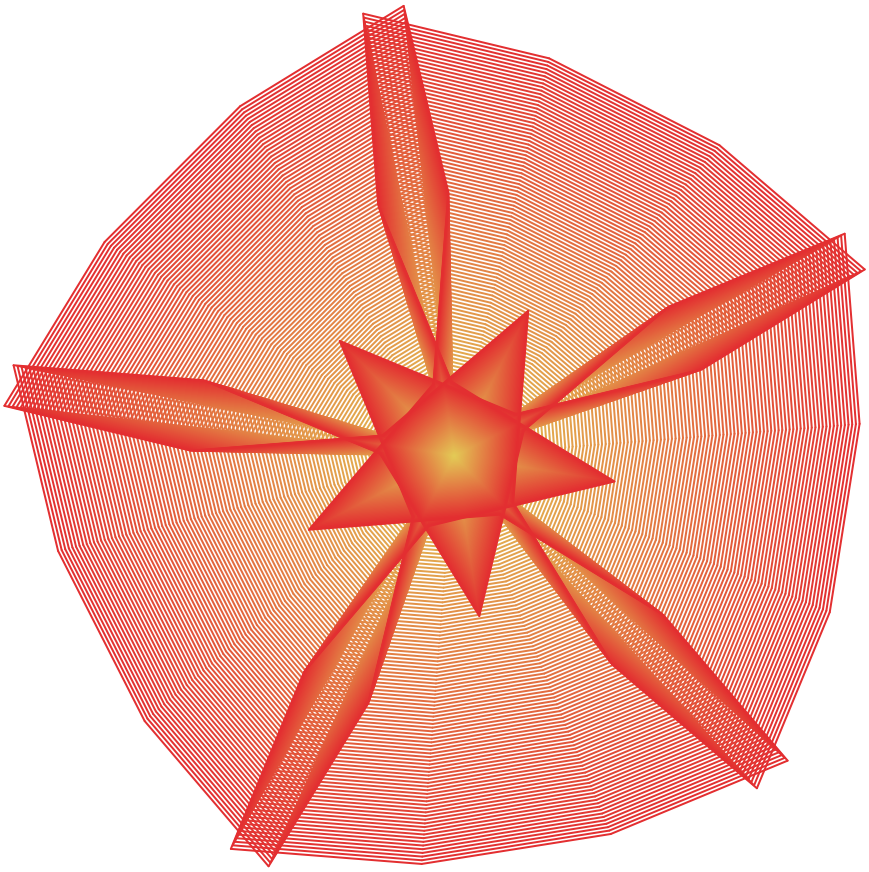
Pentagram variations I

Signa in silico 2010



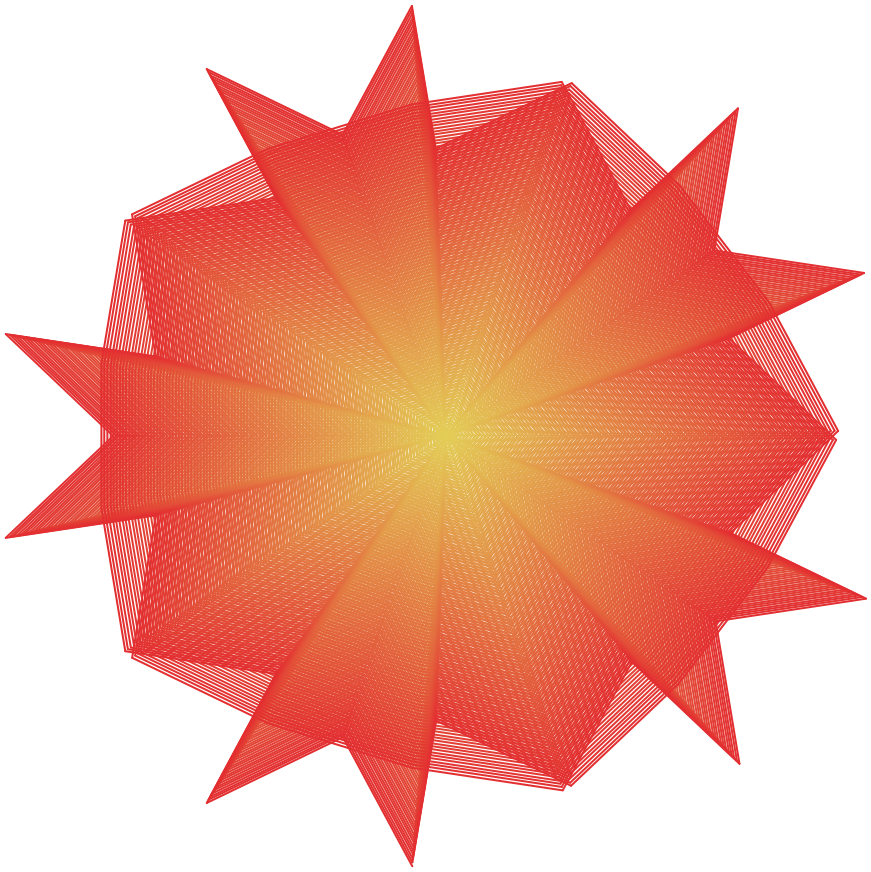
Pentagram variations II

Signa in silico 2010



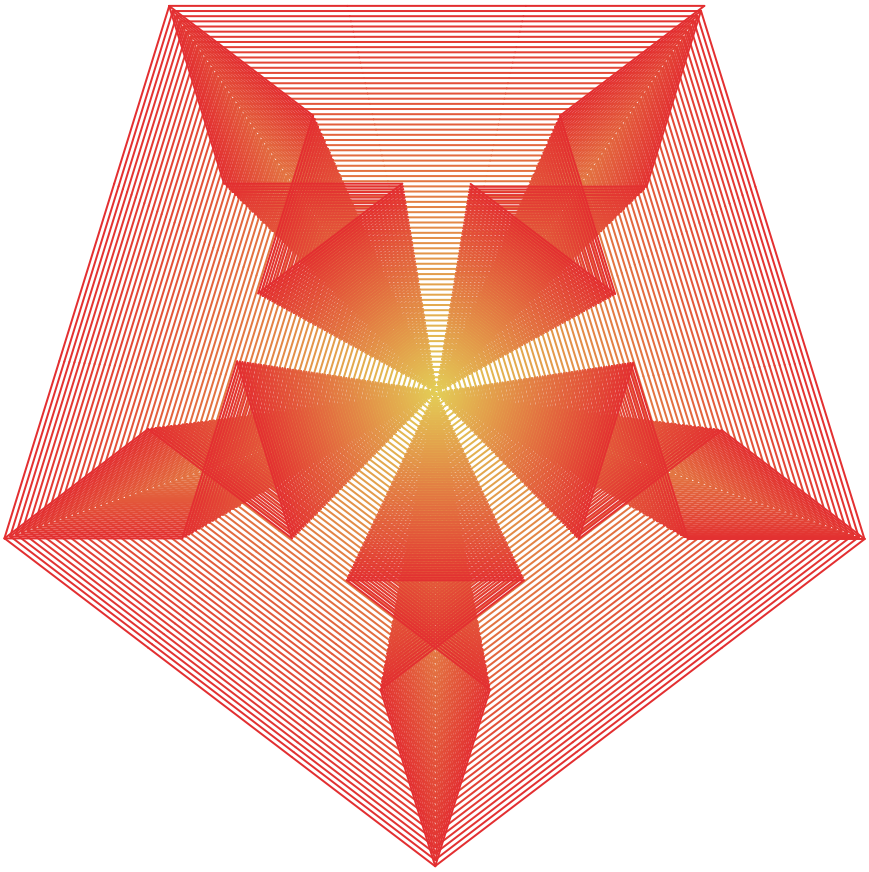
Pentagram variations III

Signa in silico 2010



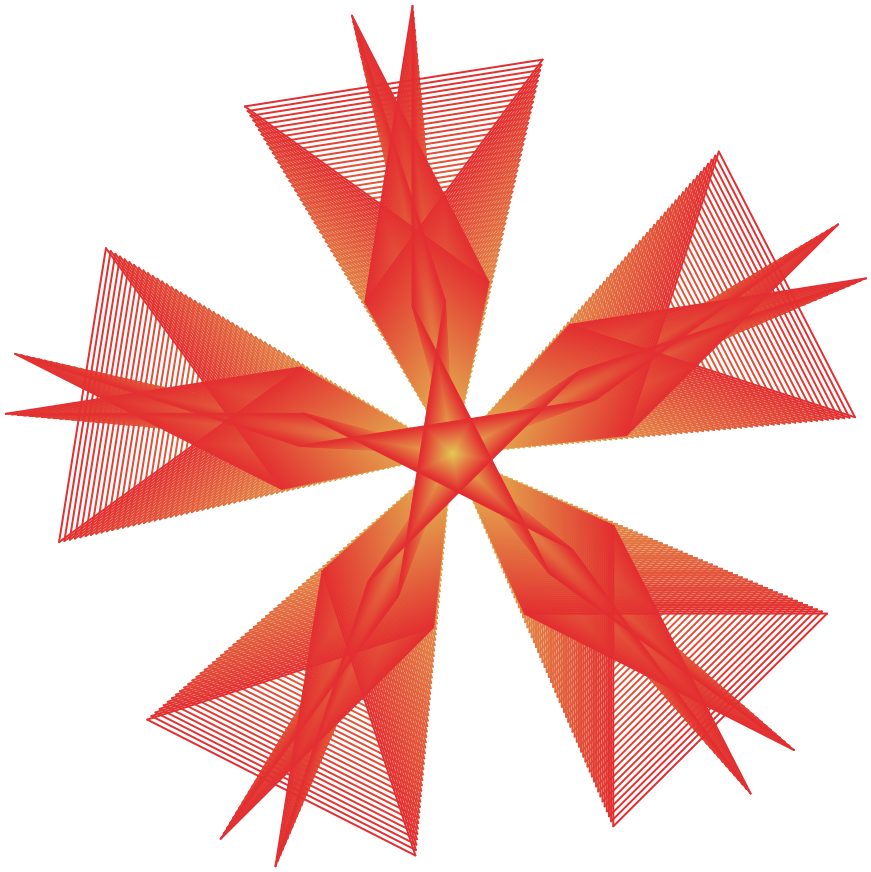
Pentagram variations IV

Signa in silico 2010



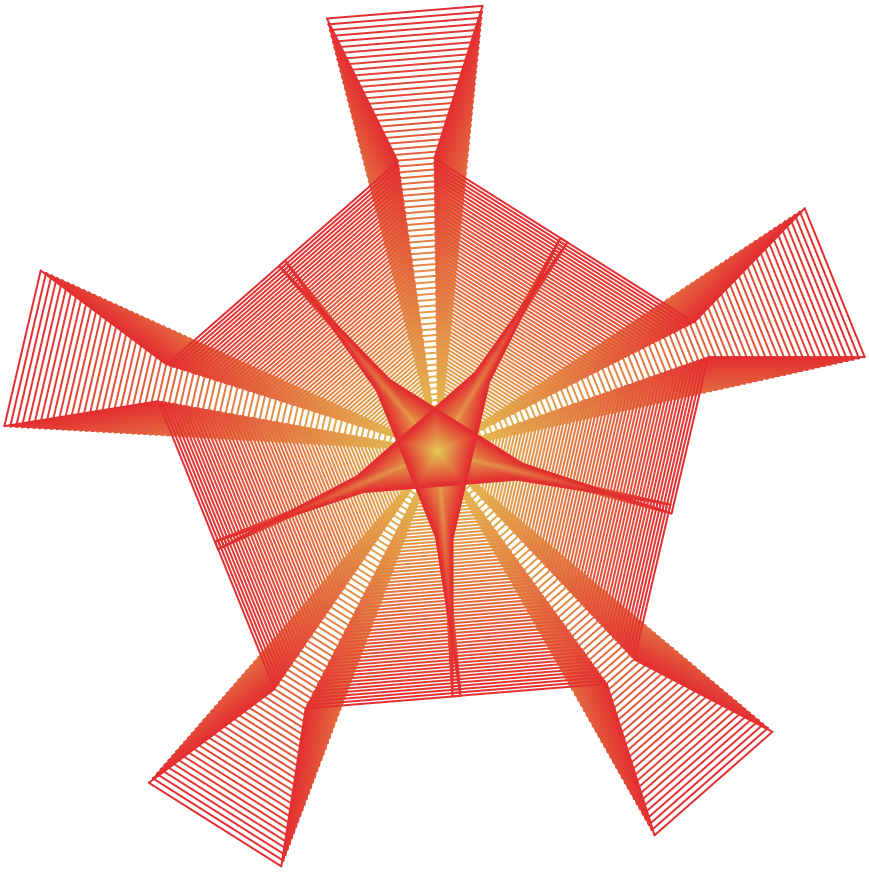
Pentagram variations V

Signa in silico 2010



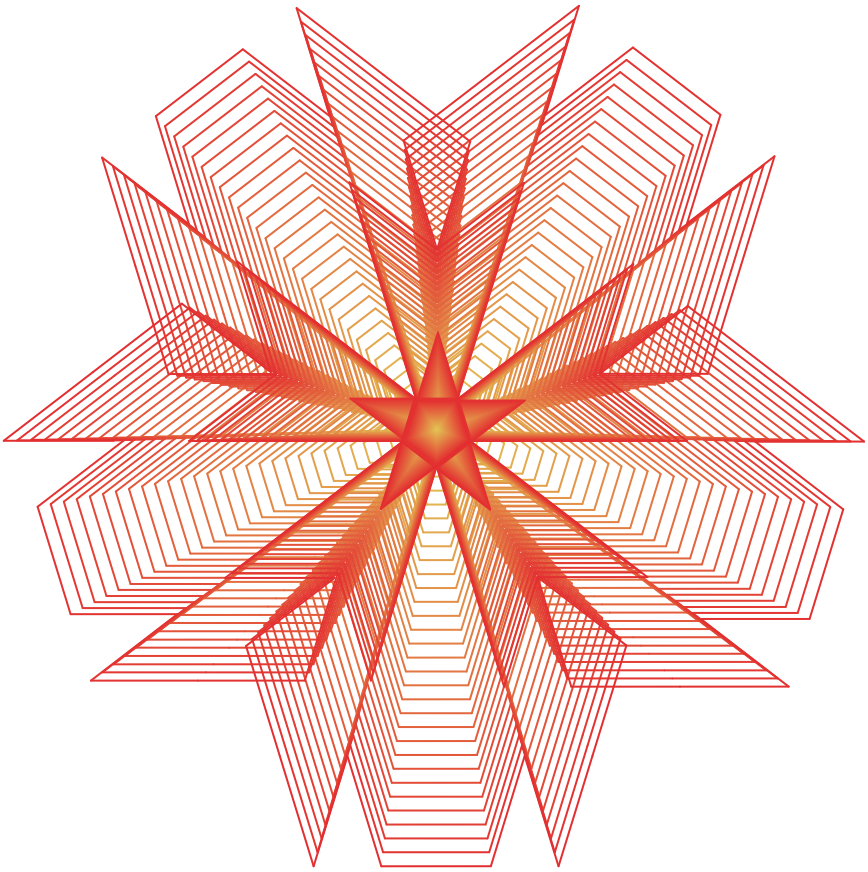
Pentagram variations VI

Signa in silico 2010



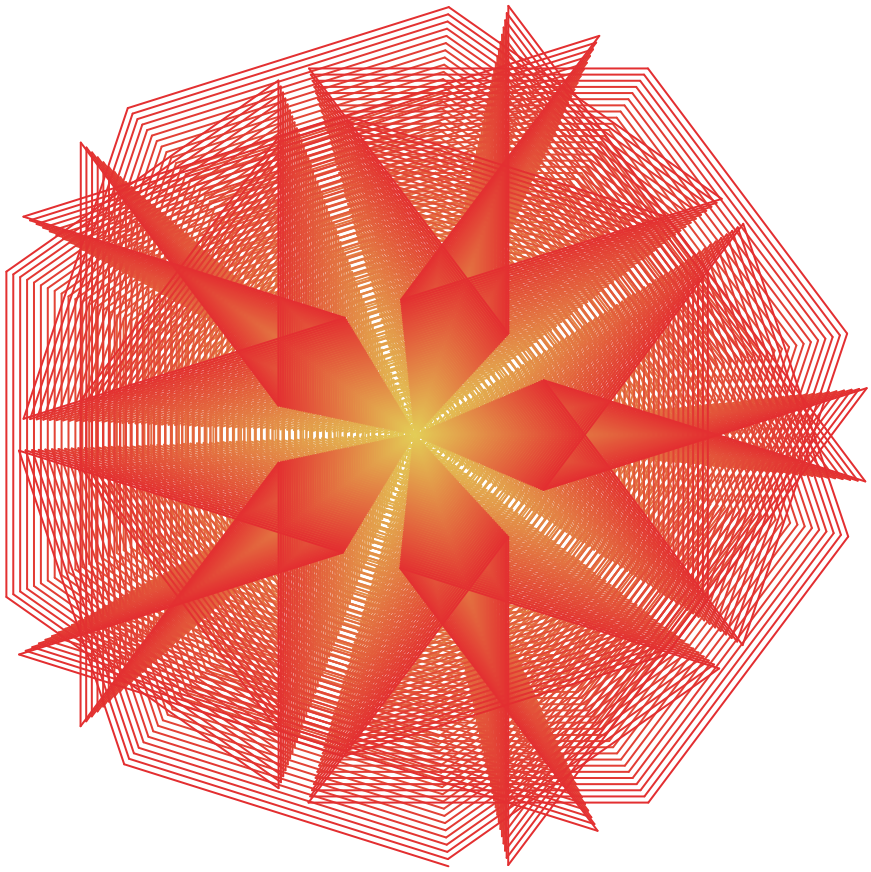
Pentagram variations VII

Signa in silico 2010



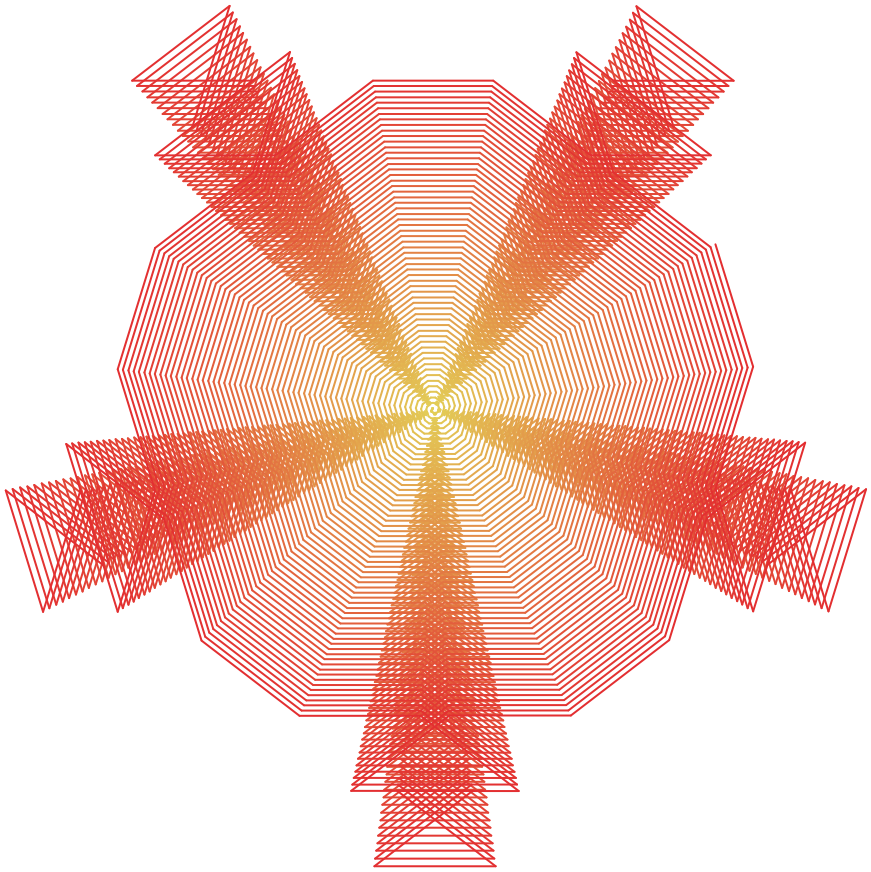
Pentagram variations VIII

Signa in silico 2010



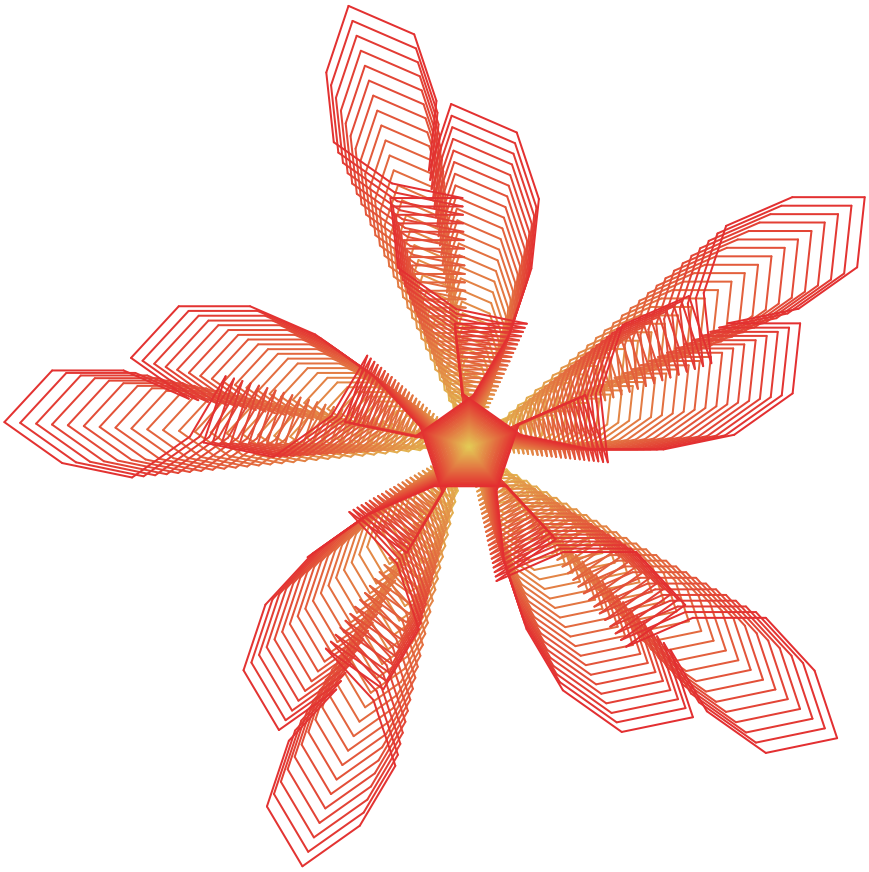
Pentagram variations IX

Signa in silico 2010



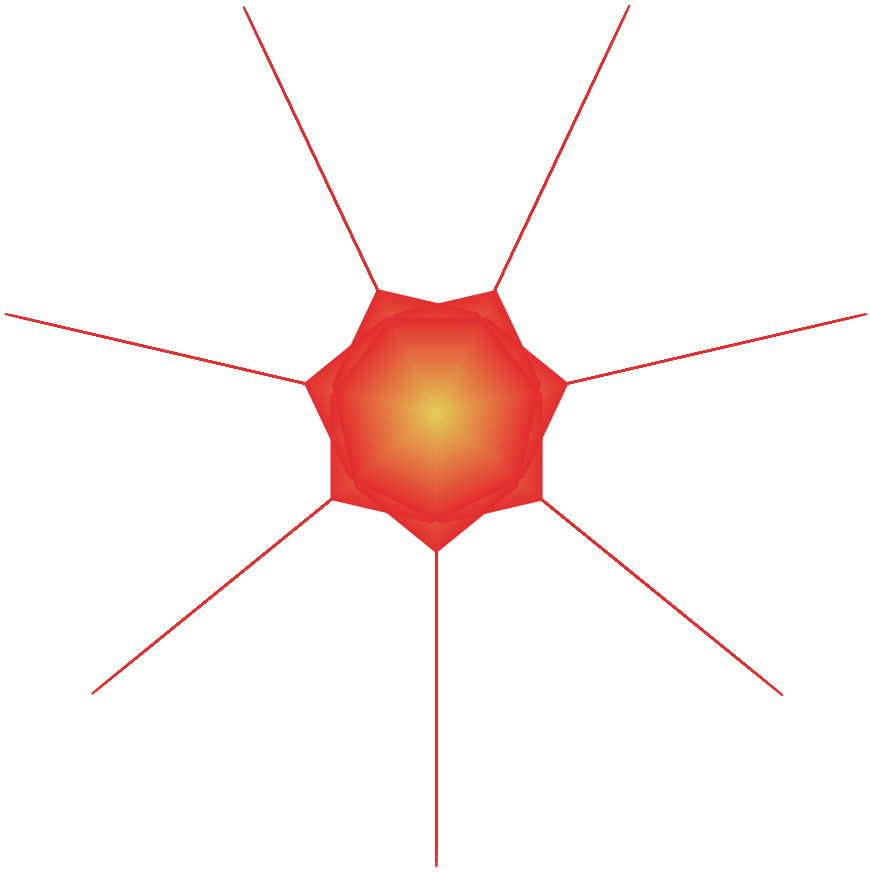
Pentagram variations X

Signa in silico 2010



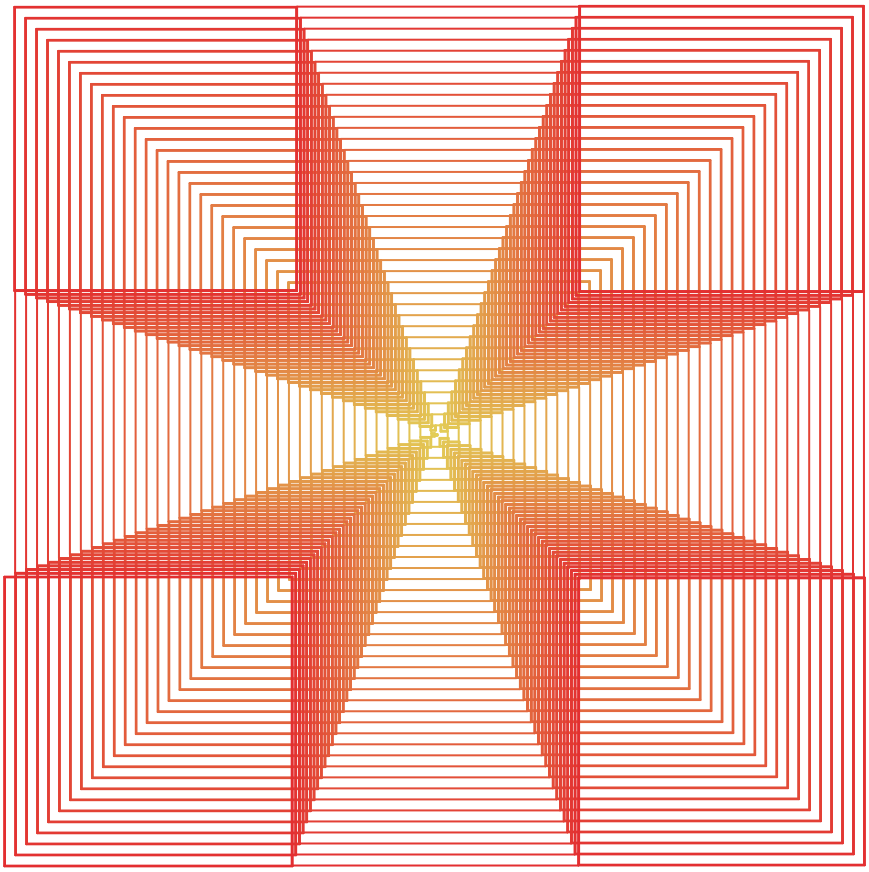
Pentagram variations XI

Signa in silico 2010



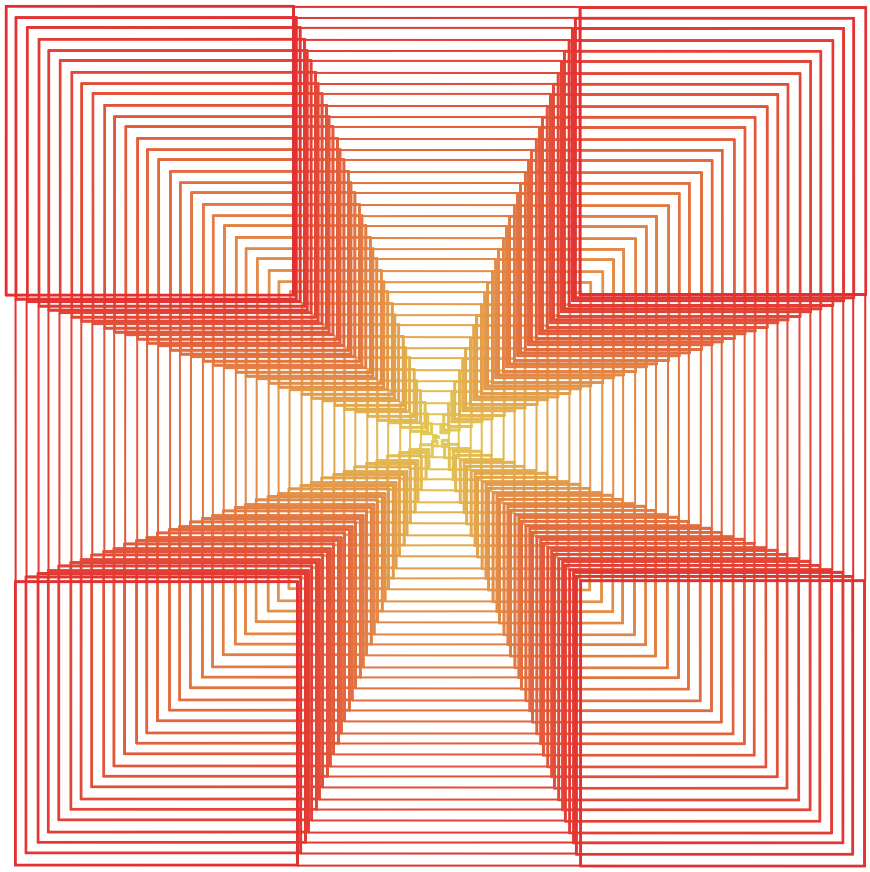
Sevenstar

Signa in silico 2010



Malta I

Signa in silico 2010



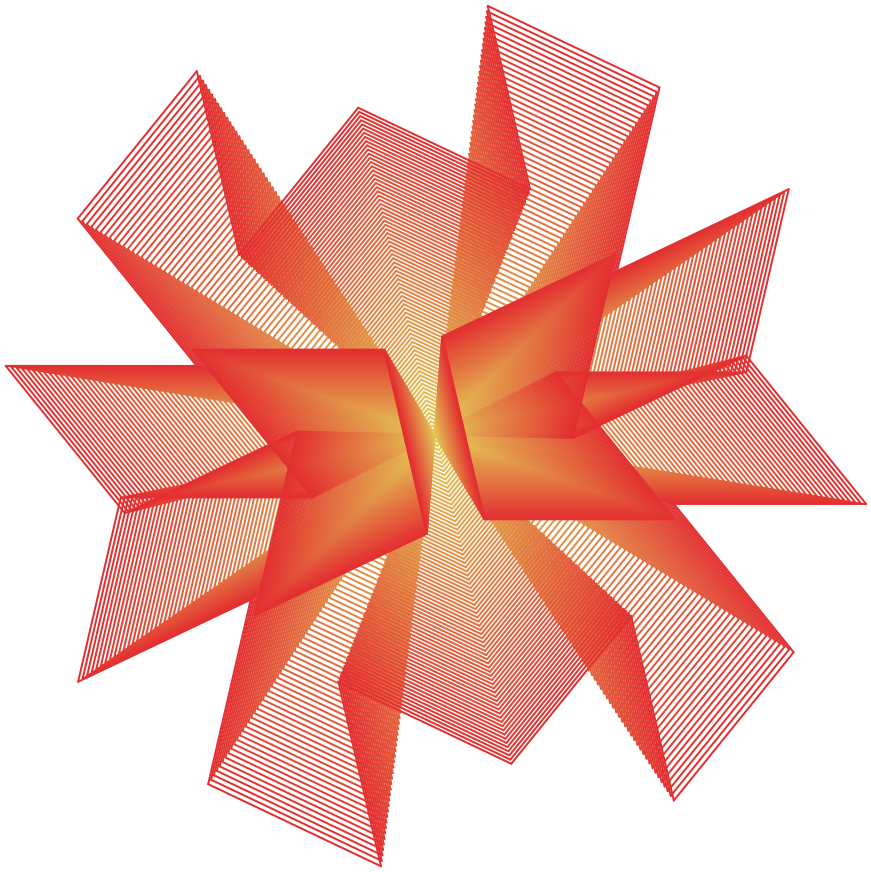
Malta II

Signa in silico 2010



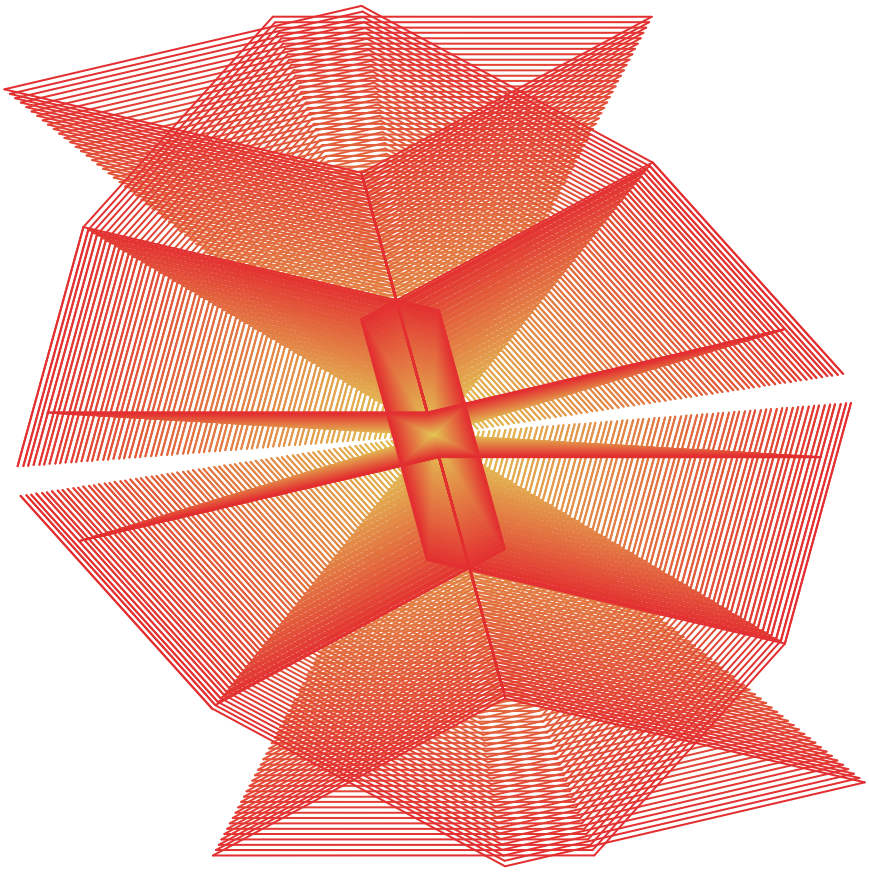
Symmetric pair I

Signa in silico 2010



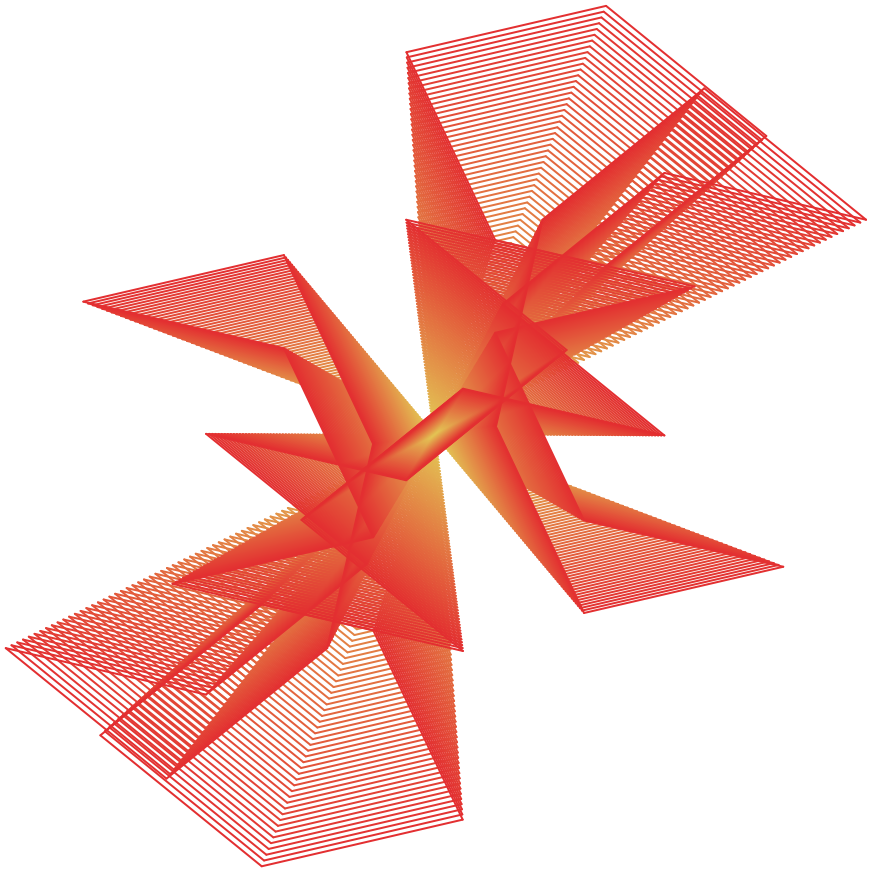
Symmetric pair II

Signa in silico 2010



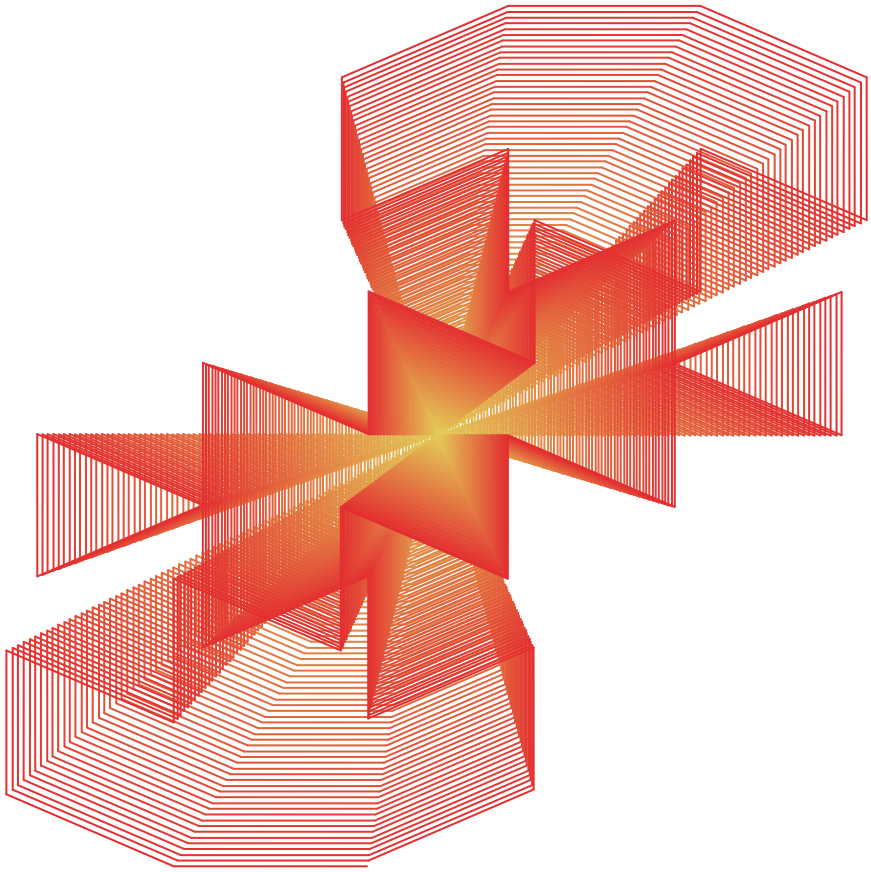
Symmetric pair III

Signa in silico 2010



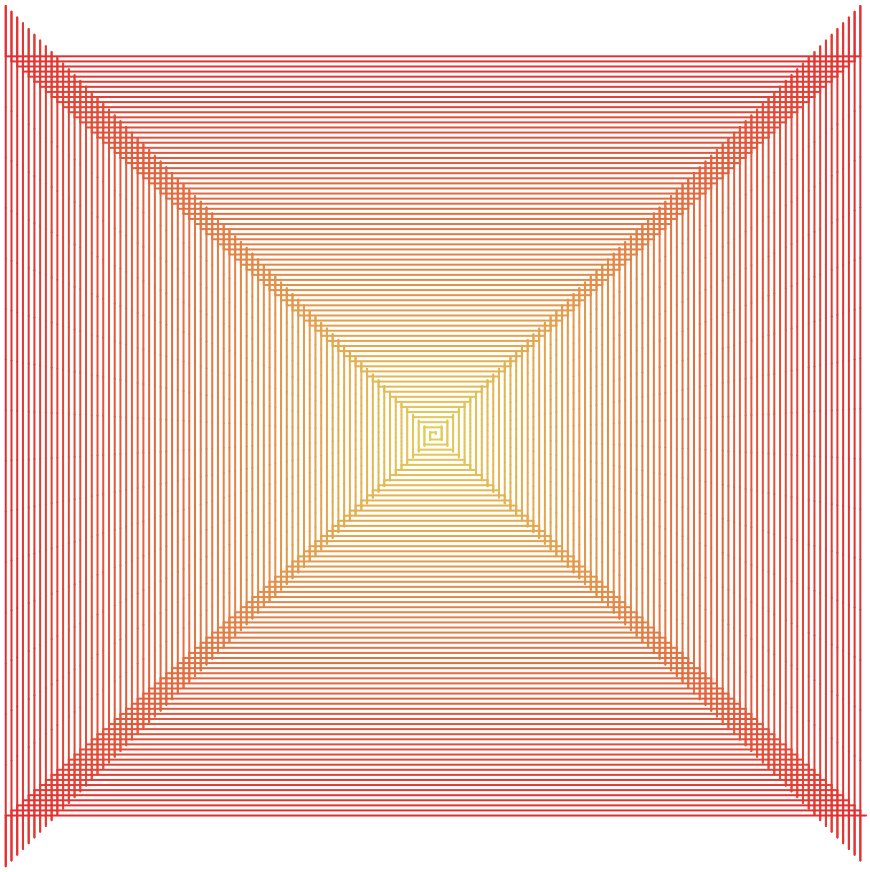
Symmetric pair IV

Signa in silico 2010



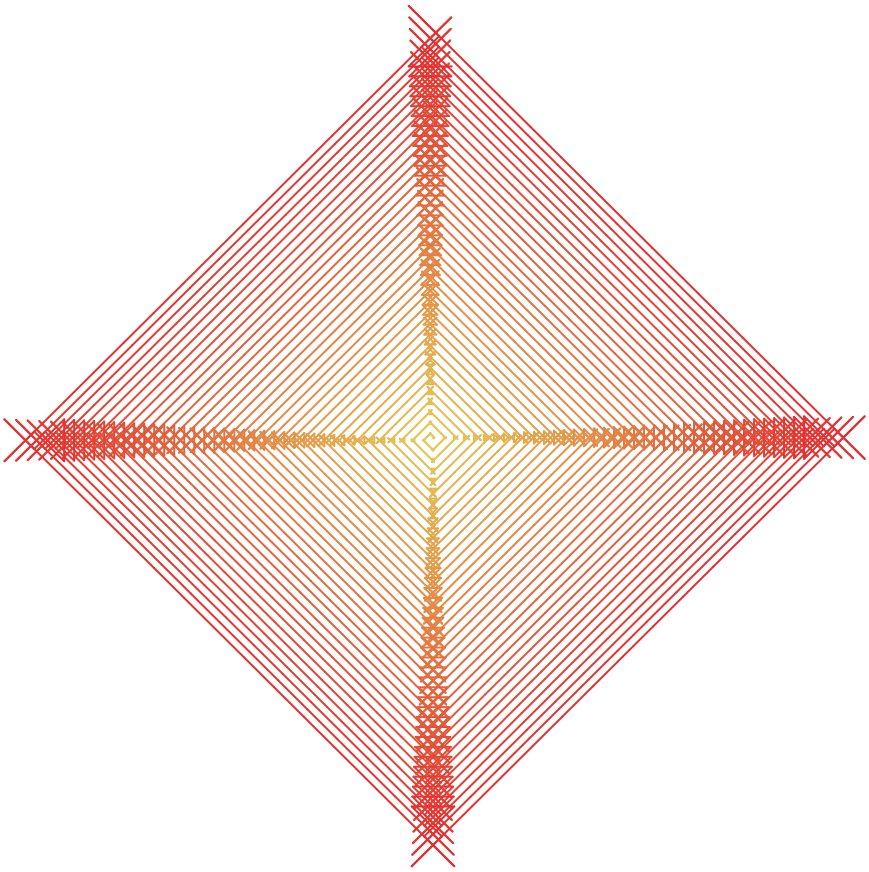
Symmetric pair V

Signa in silico 2010



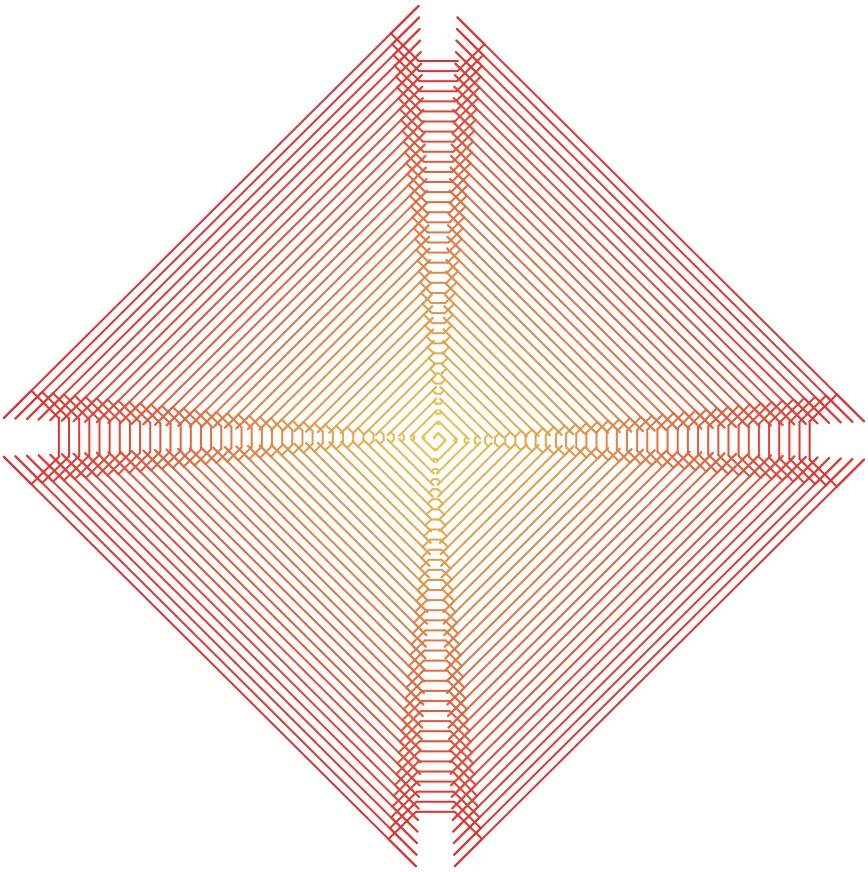
Glöckneroid I

Signa in silico 2010



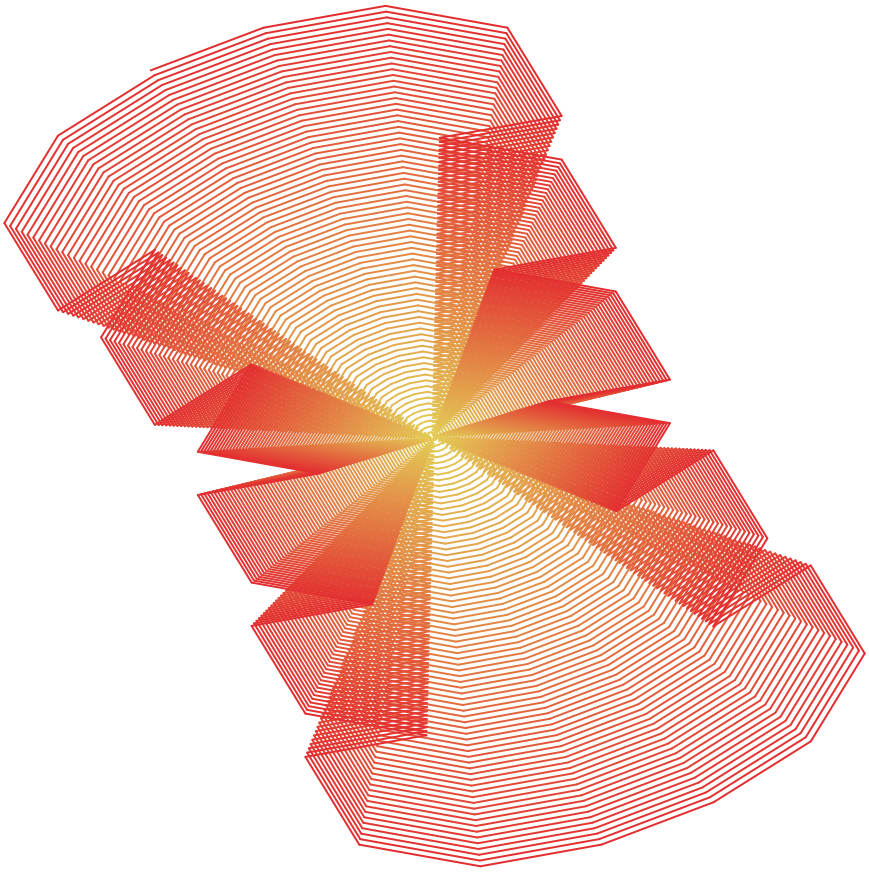
Glöckneroid II

Signa in silico 2010



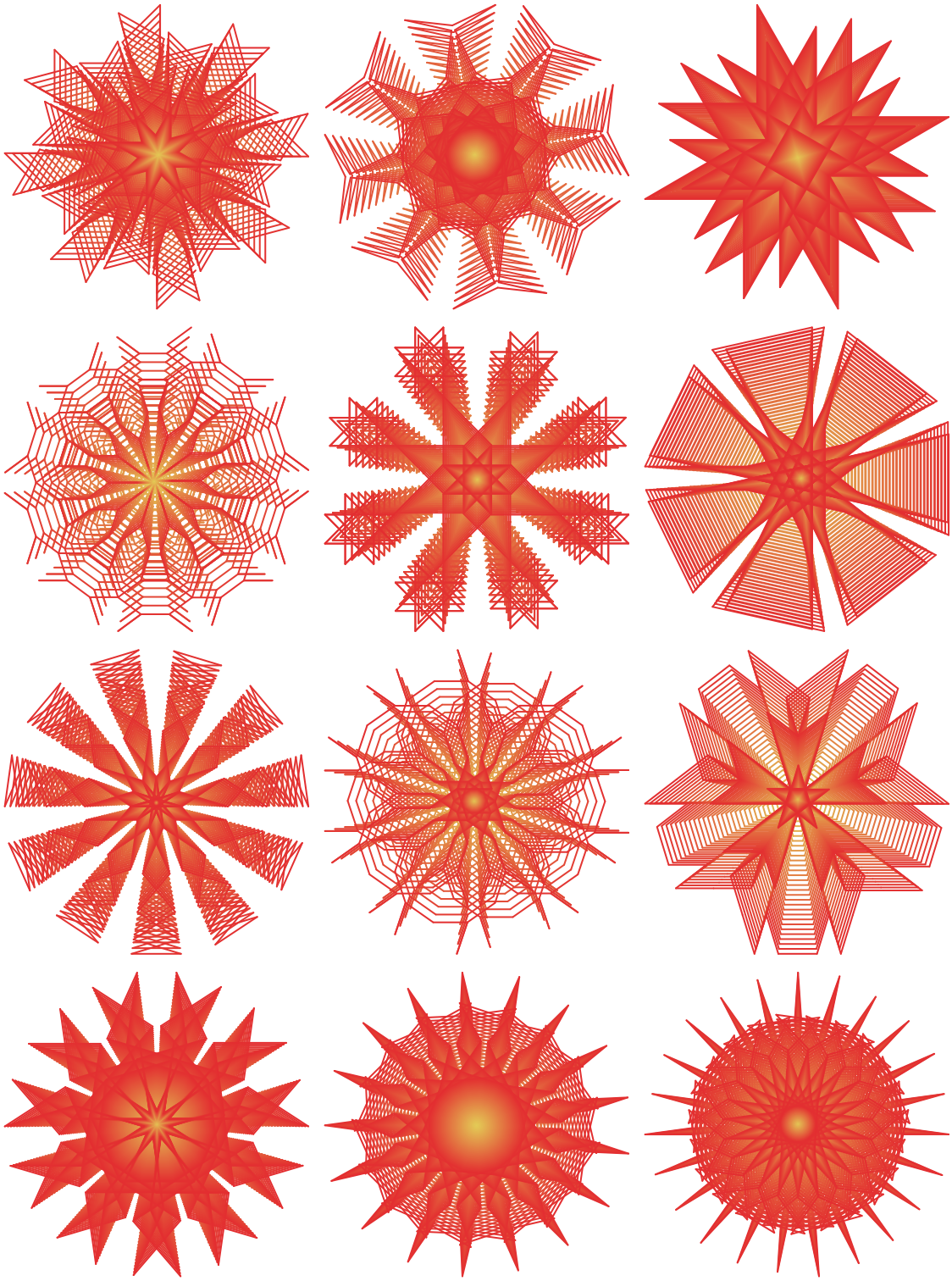
Glöckneroid III

Signa in silico 2010



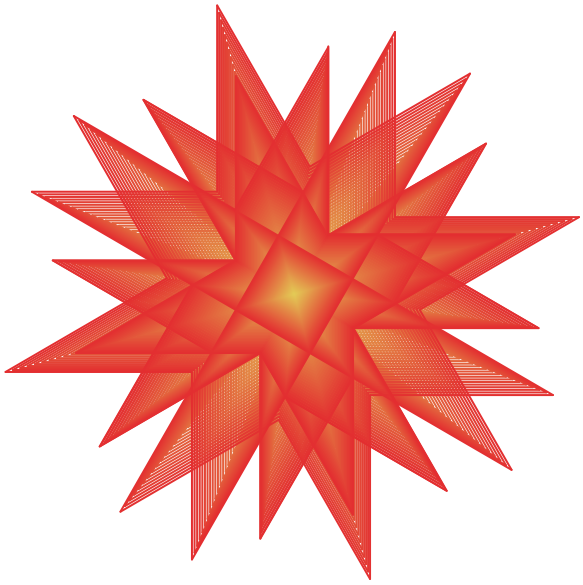
Folding

Signa in silico 2010

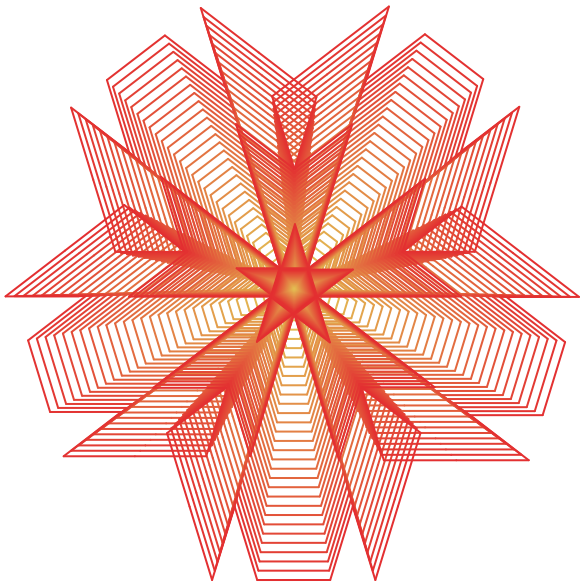


Merry Christmas and a Happy New Year 2011

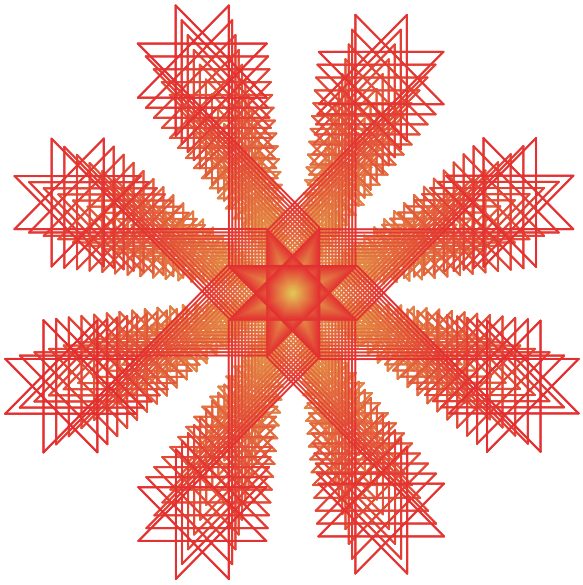
Signa in silico 2010



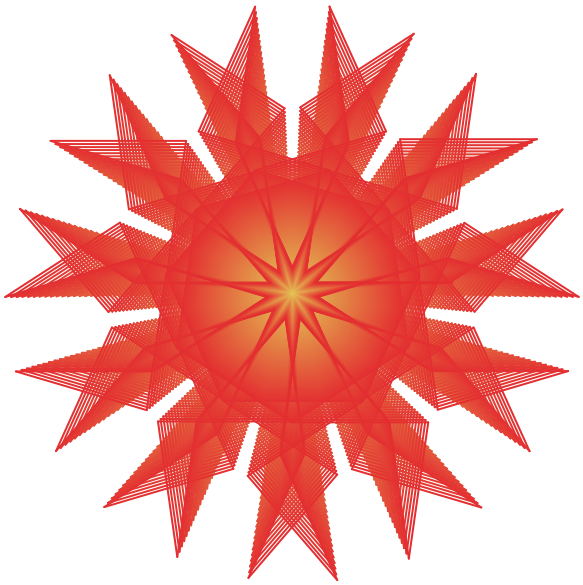
Merry Christmas and a Happy New Year 2011
Collection Signa in silico



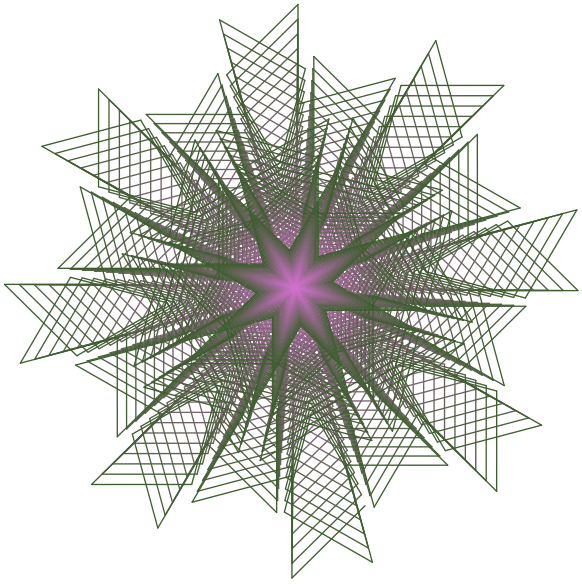
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Collection Signa in silico



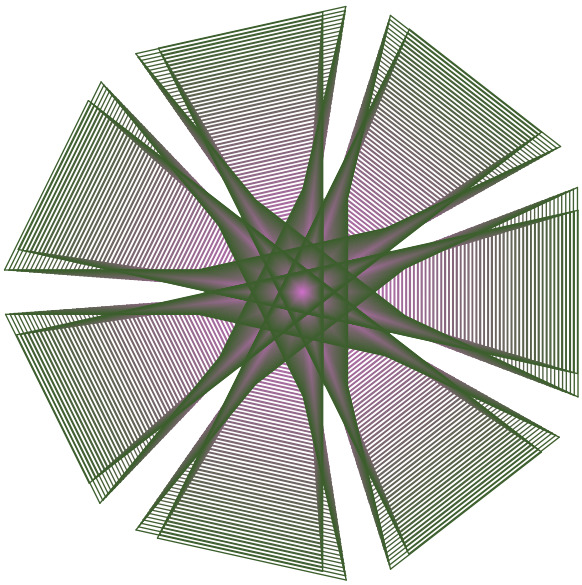
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Collection Signa in silico



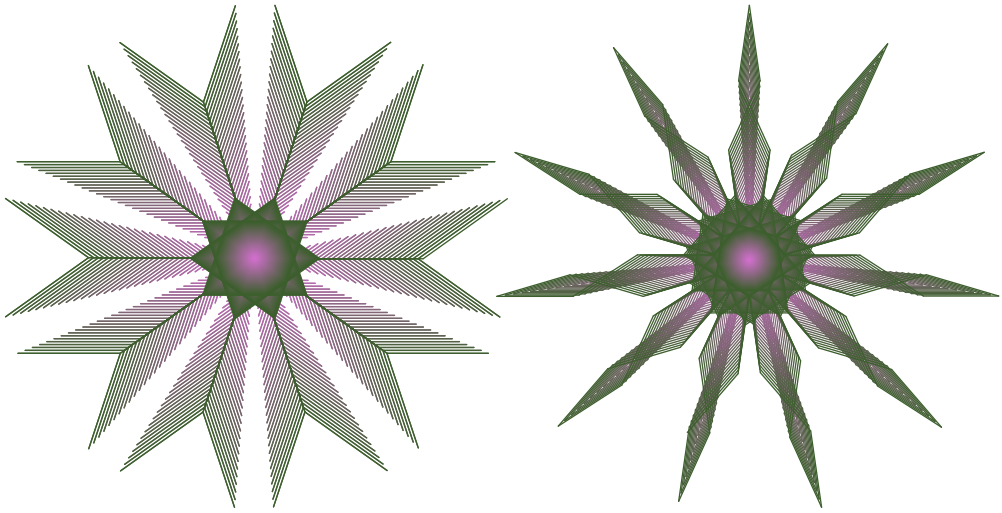
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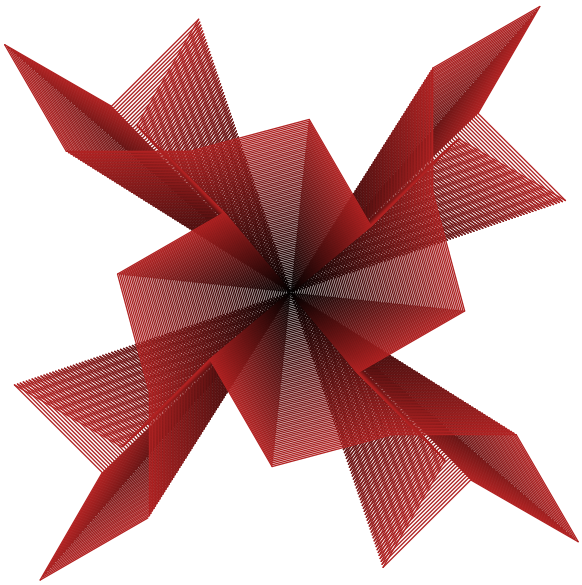
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Collection Signa in silico



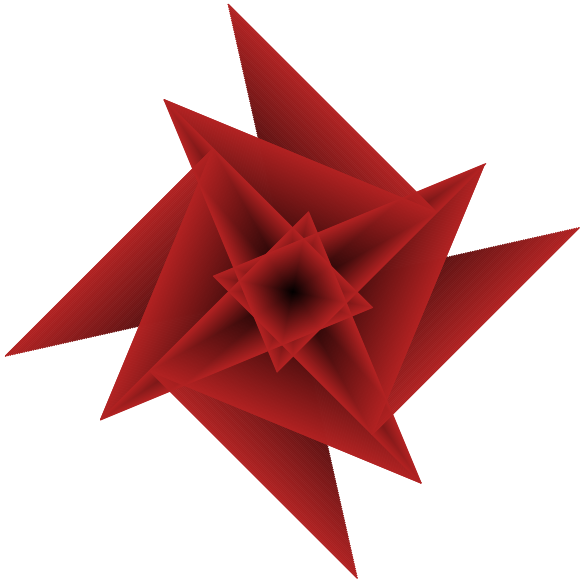
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Collection Signa in silico



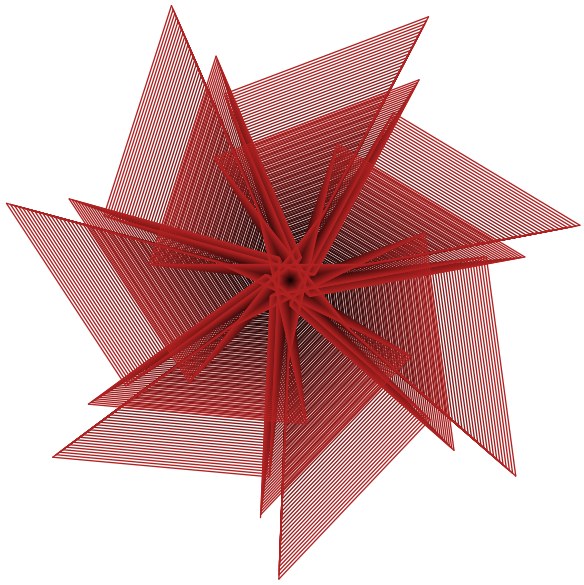
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Collection Signa in silico



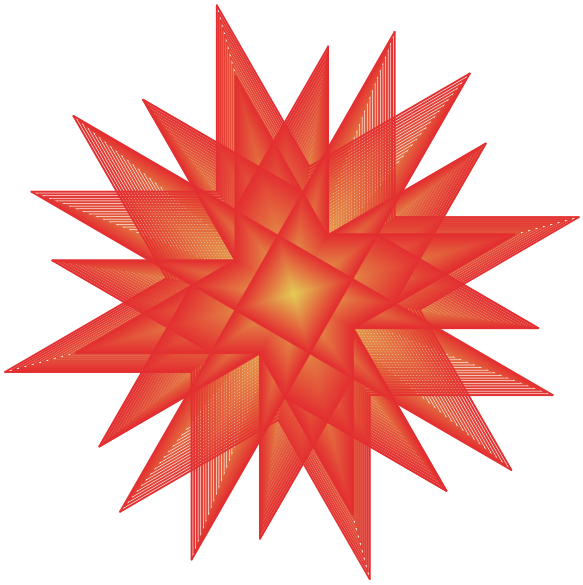
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Collection Signa in silico



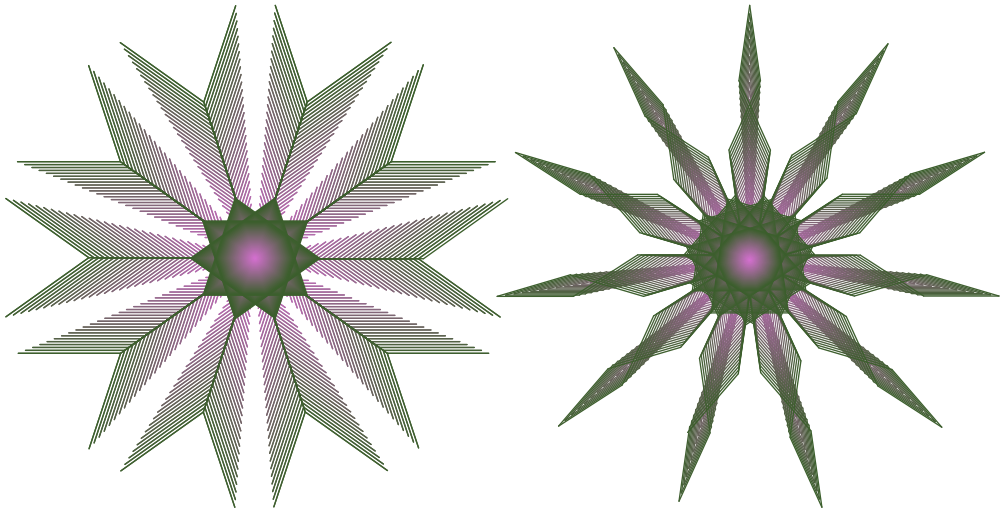
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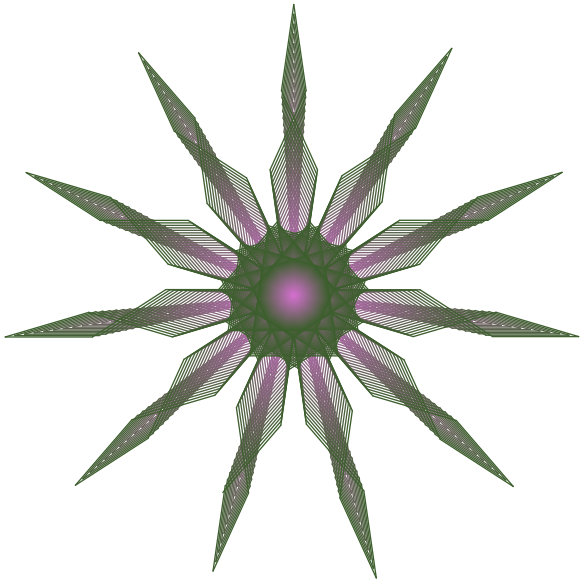
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Collection Signa in silico



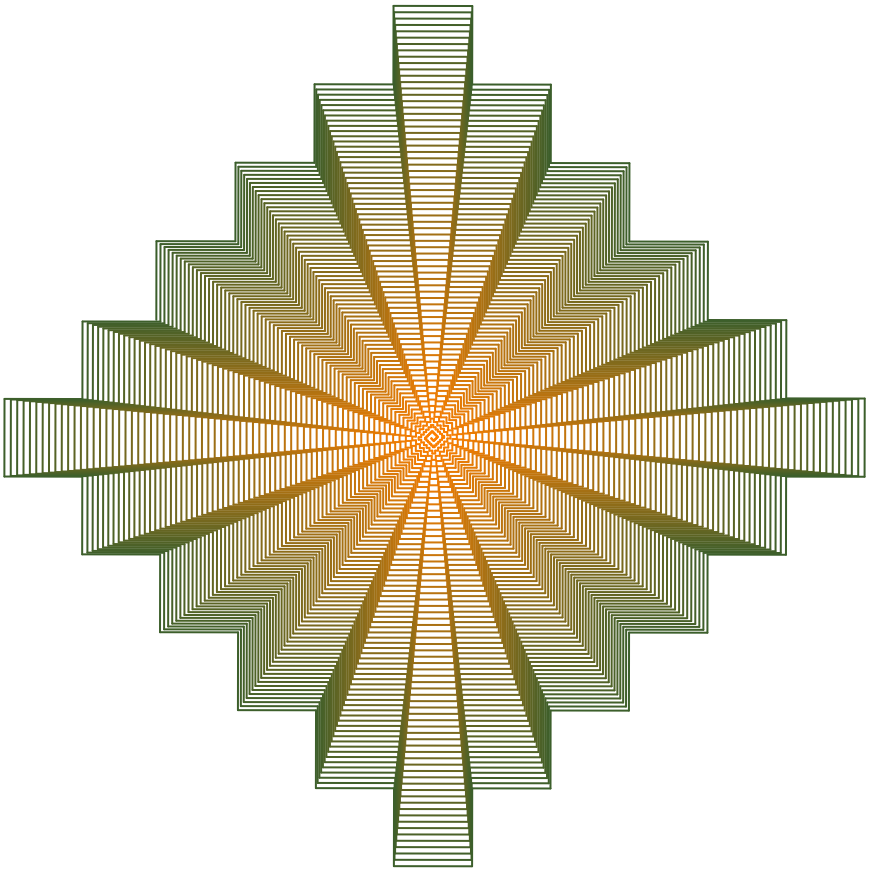
Merry Christmas and a Happy New Year 2011
Collection Signa in silico



Merry Christmas and a Happy New Year 2011
Collection Signa in silico



Merry Christmas and a Happy New Year 2011
Collection Signa in silico



Upwards - Downwards

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[1] E.P. Stoschek, D. Schönfeld. Computergraphik im Spannungsfeld zwischen Algorithmus und Phantasie. Signa in silico. 2000
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[2] Unit 3 – The algorithm system „Signa in silico“: computer graphics, and applications in the areas of design and engineering. http://www.algorithmicschannel-dresden-guilin.net/wordpress/wp-content/uploads/Signa-in-silico.pdf