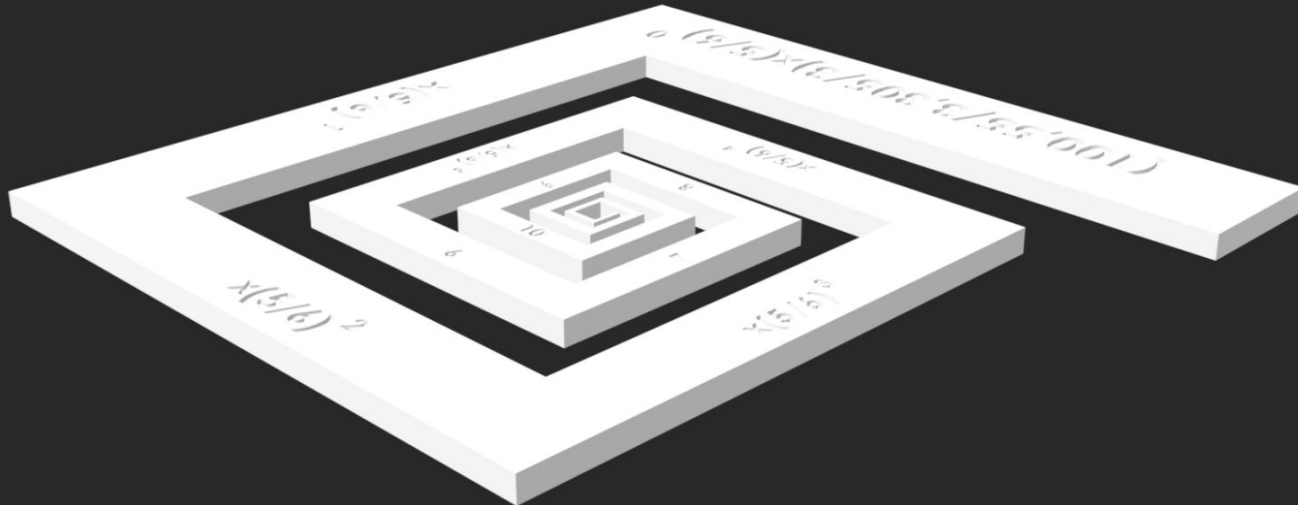


Squaring the Spiral

An electromagnetic-pattern design for
regenerative forms and spaces



Is there a relationship
between Euclidian
Fractal Form and
function?

The Experiment

Reimagining the
Circle
~
Making the Spiral
more Accessible



Why?

PAST: Trying to package algorithms to save my mind from the monotony of writing code...

PRESENT: Becoming an everyday object

FUTURE: Regenerative monumental architecture



Hypothesis

What?

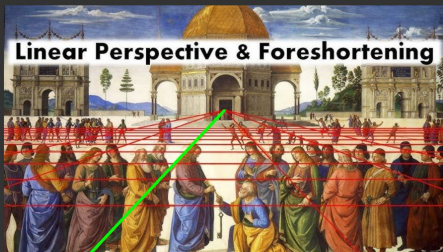
the $d=(c-b)/a$ base-scale formula

Fractals and tessellations
are all around you!!!

- Hierarchical coding tool
- Smallest part of a fractal
- New form and architecture
- Electromagnetic form
potentially channeling life force
- Maths of Interrelatedness
- Maths of Organic Movement,
- etc...

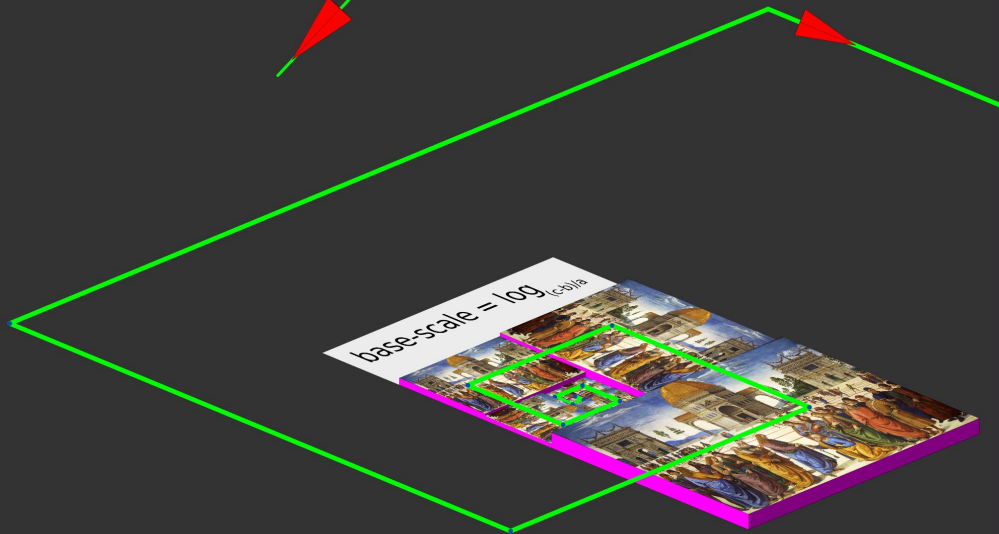


Artizen Deliverables: Jewelry or Apparel, Inspirational Video, MetaCamp plans reveal



How?

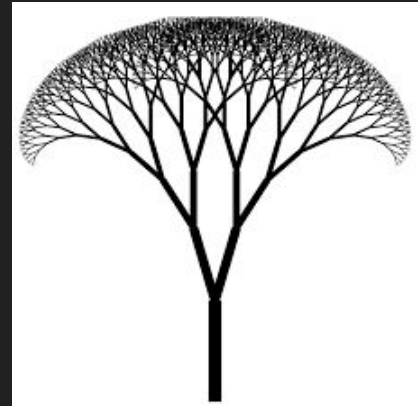
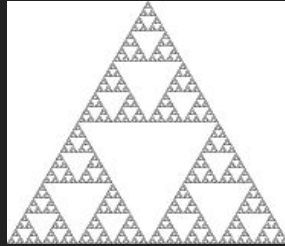
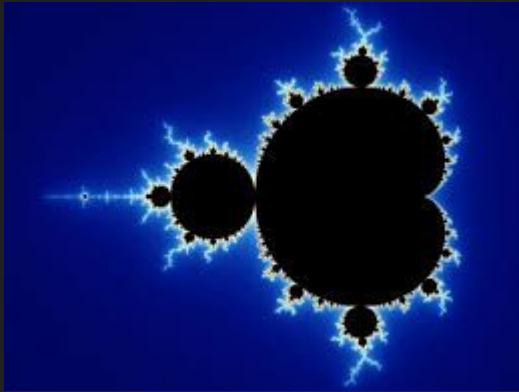
logarithms to mechanistically tile
spirals & fractals



1. vanishing point bases between 0 & 1
2. no need for a global point of origin
3. a new way to think beyond Euclid postulates using perspective drawing.

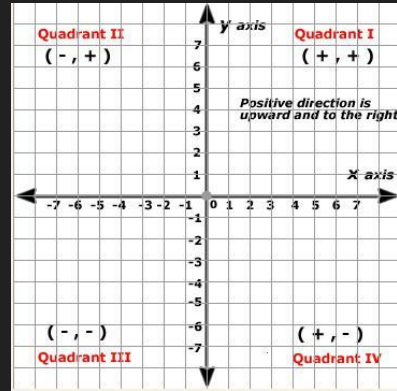
Fractal & Tessellation: What's a Fractal?

Nested objects: self-similarity at scale



Fractal & Tessellation: What's a Tessellation?

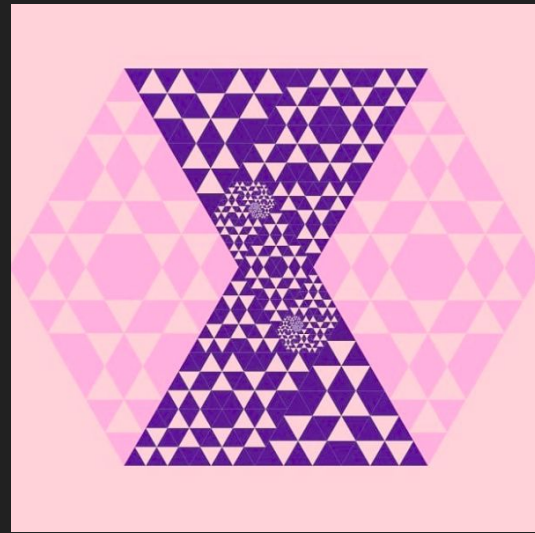
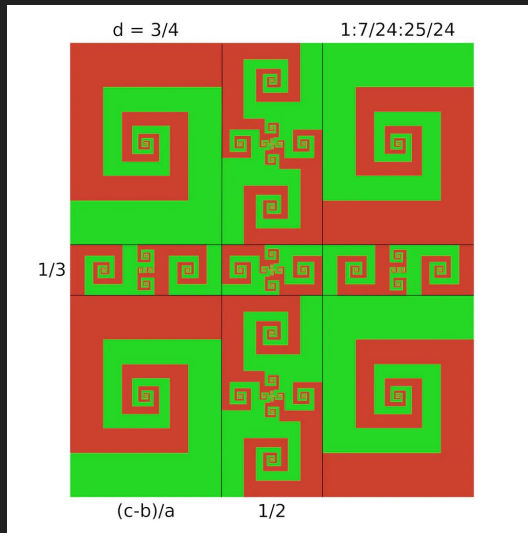
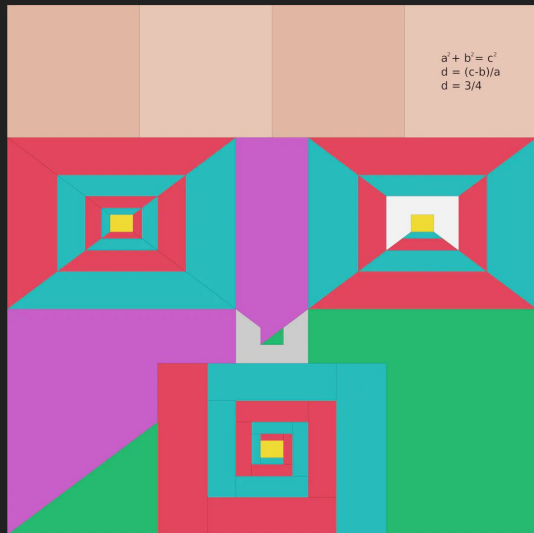
Tiles that only kiss: no overlaps and no gaps



stereogram

Fractal & Tessellation: What's a fractal tessellation?

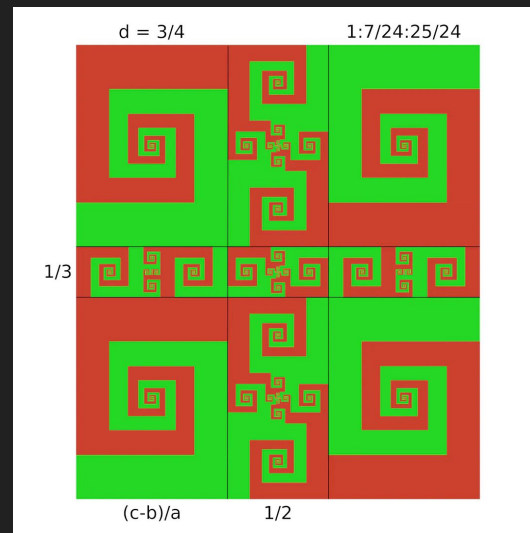
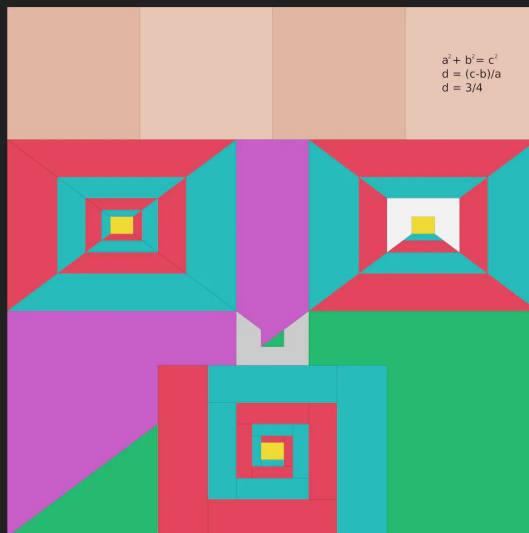
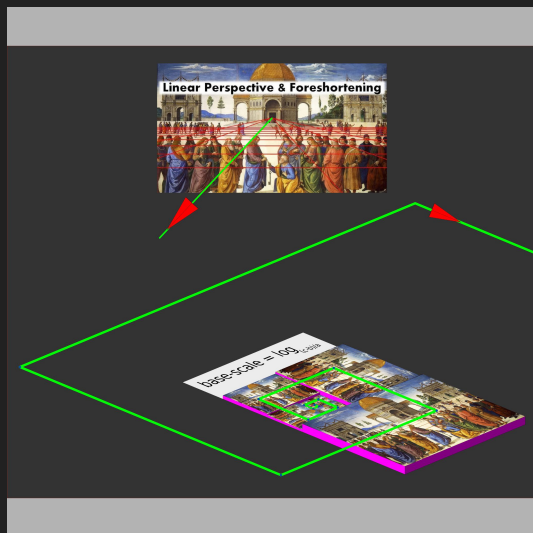
Base-scale: data normalized logarithm $d=(c-b)/a$ for $a^2+b^2=c^2$



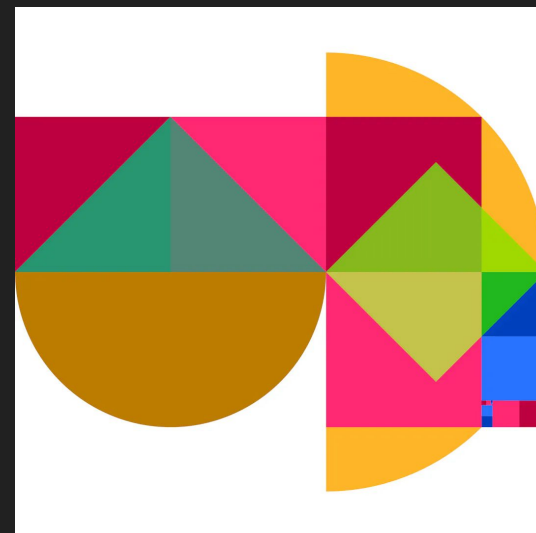
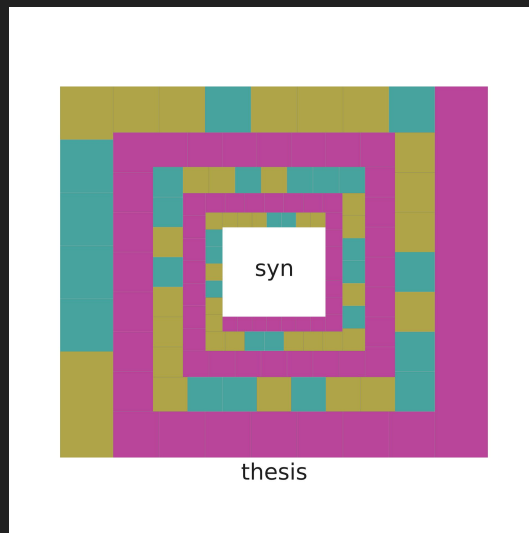
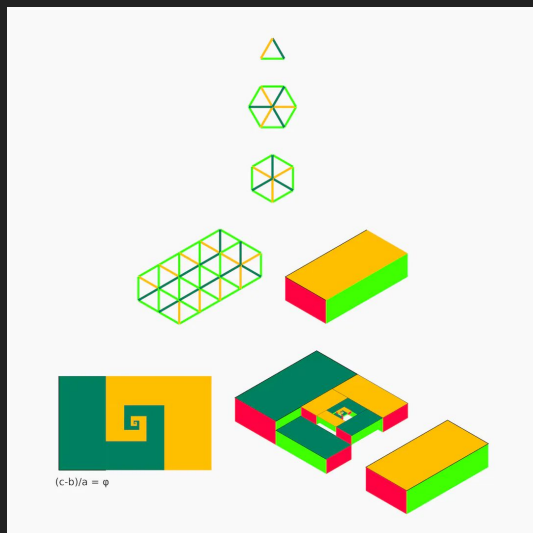
2D Portfolio

now to 2018

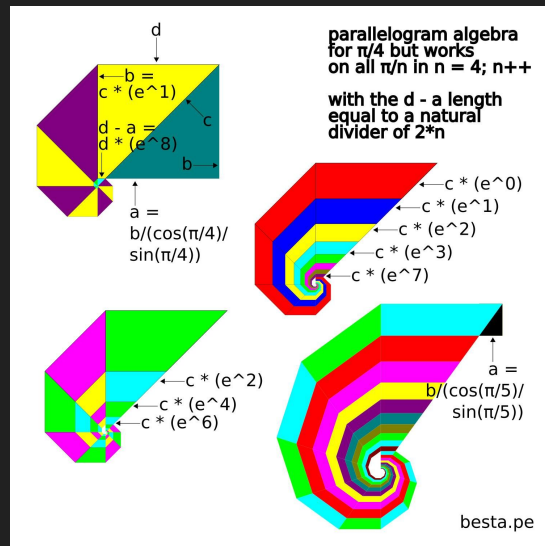
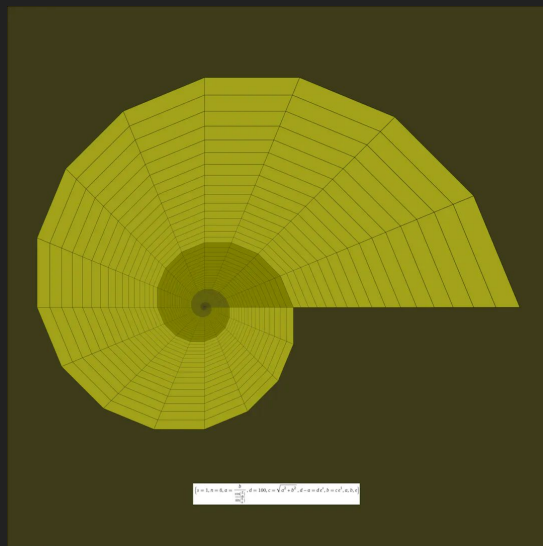
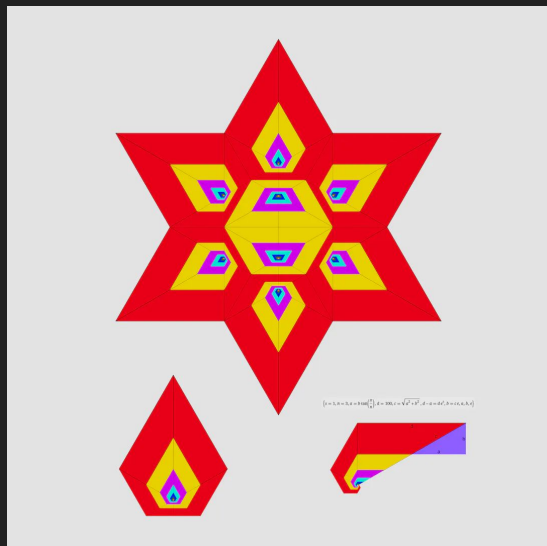
2024 mathart



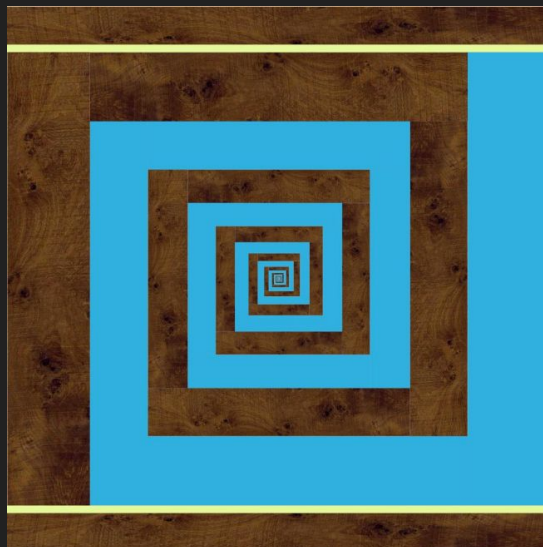
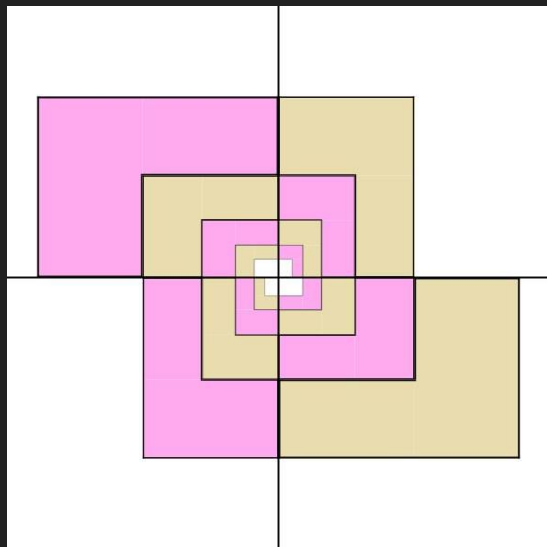
2024 mathart



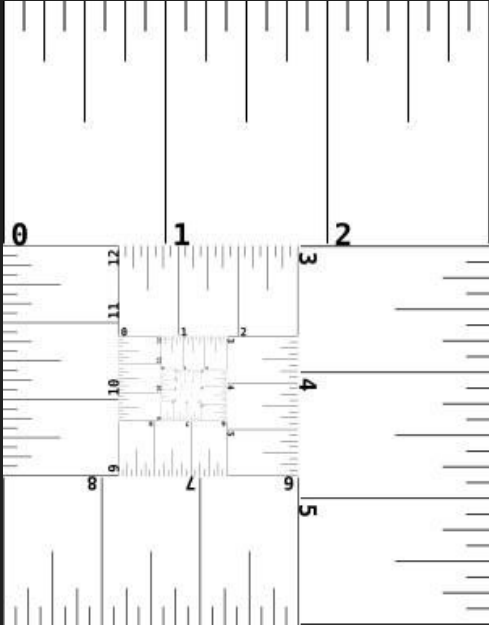
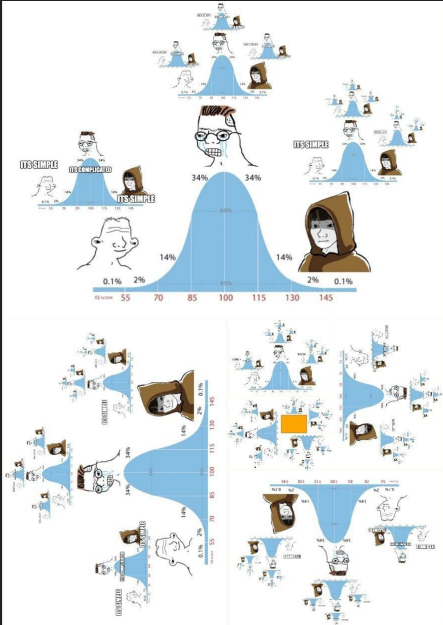
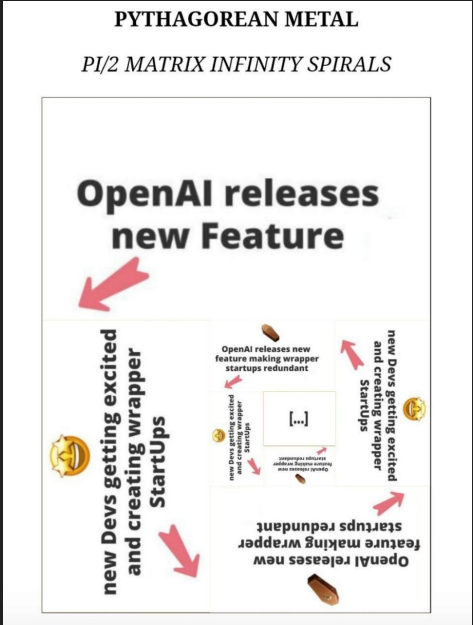
2023 mathart



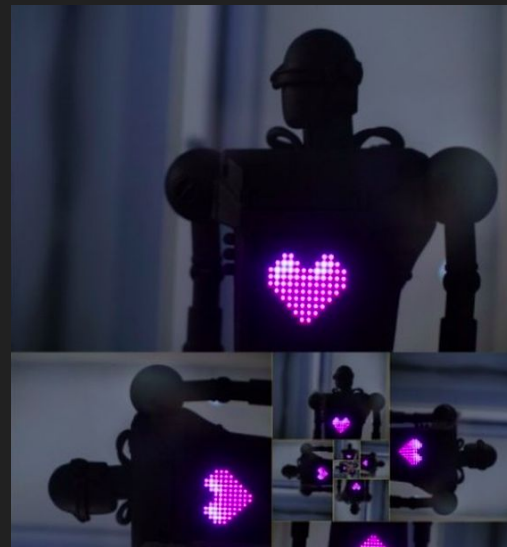
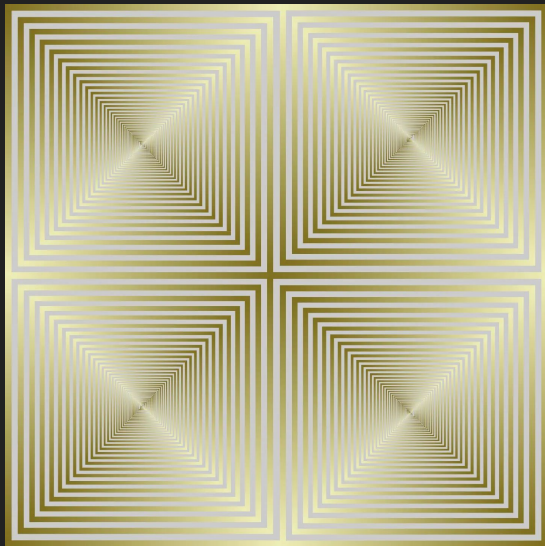
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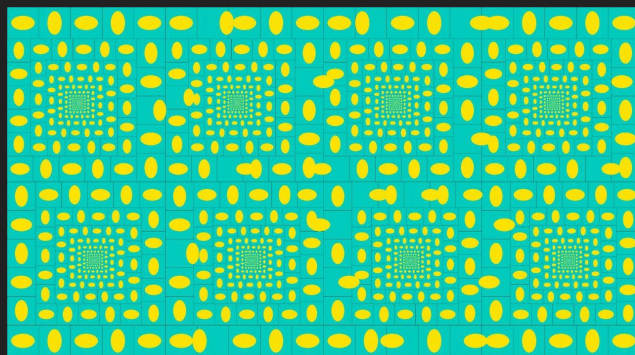
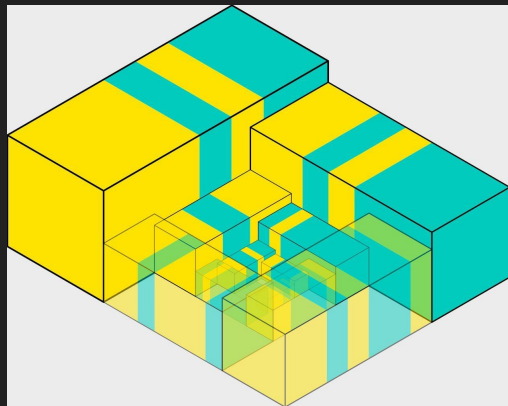
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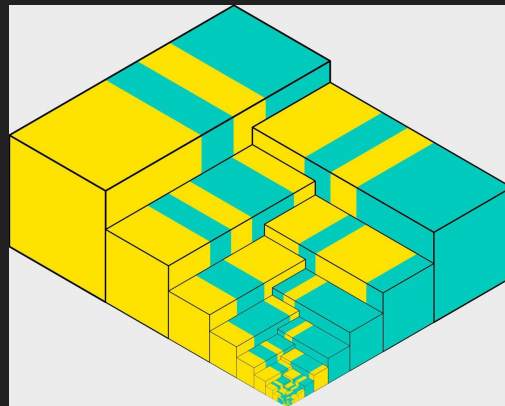
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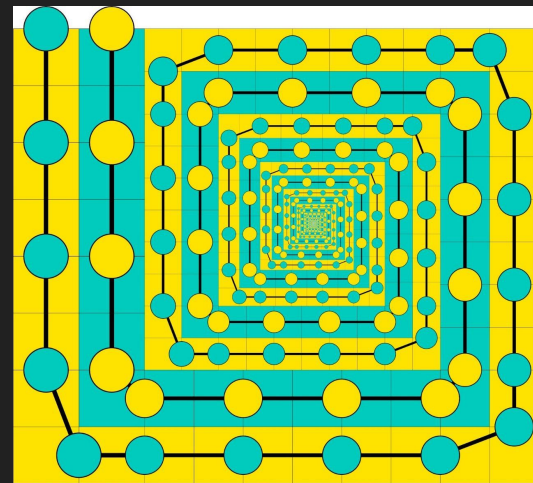
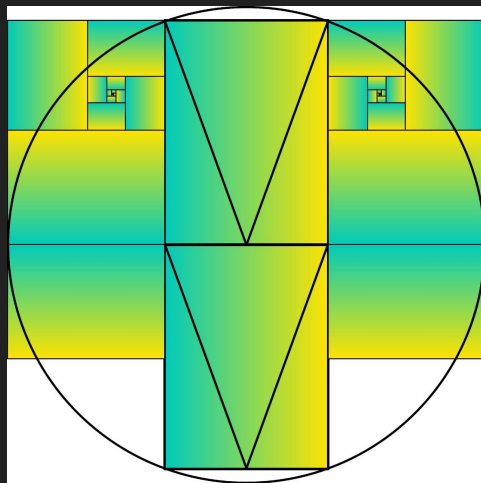
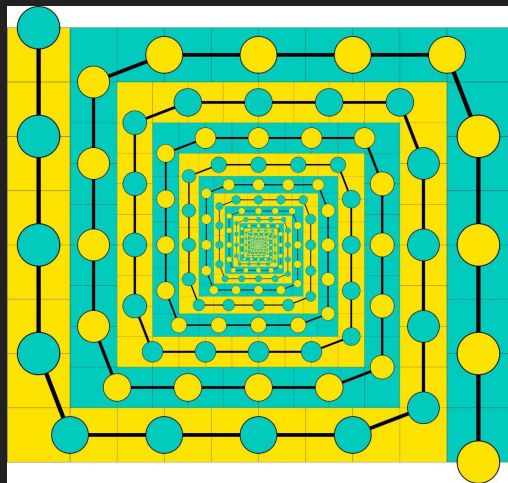
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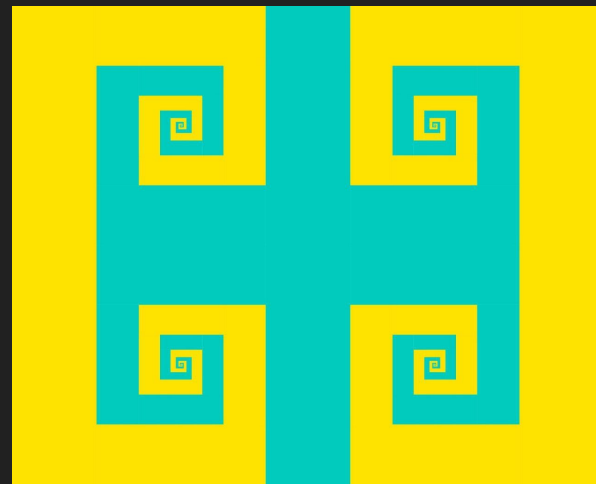
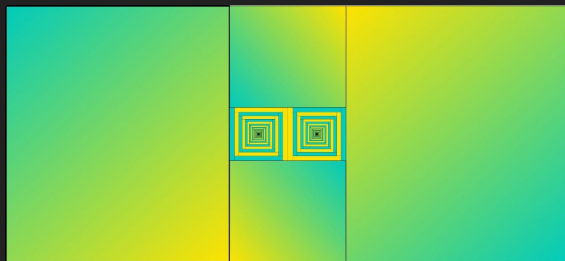
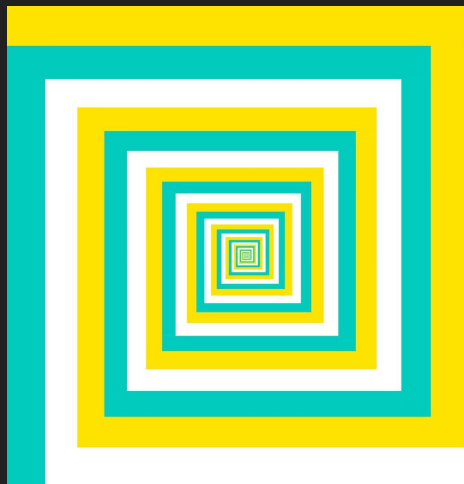
stereogram



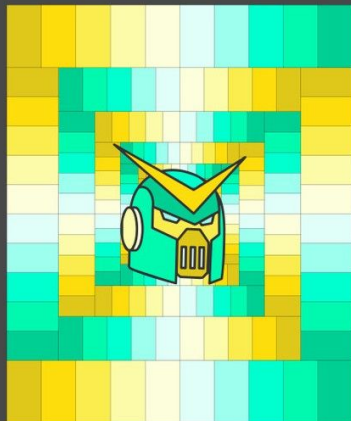
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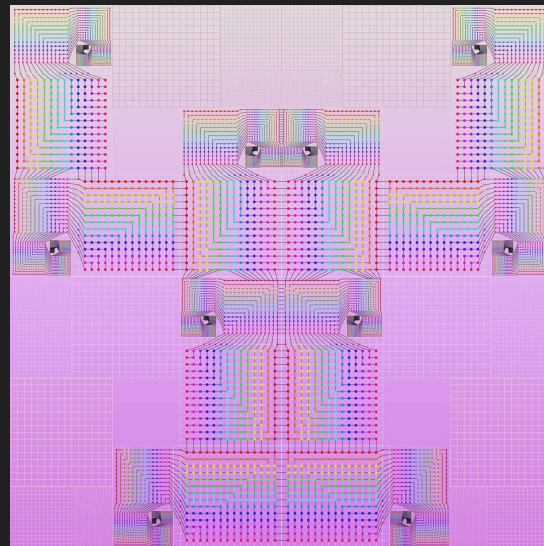
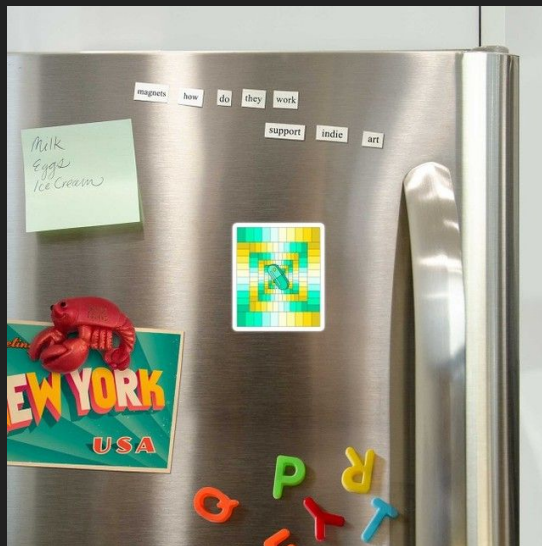
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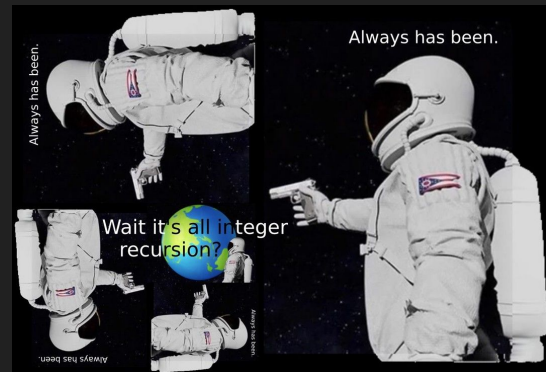
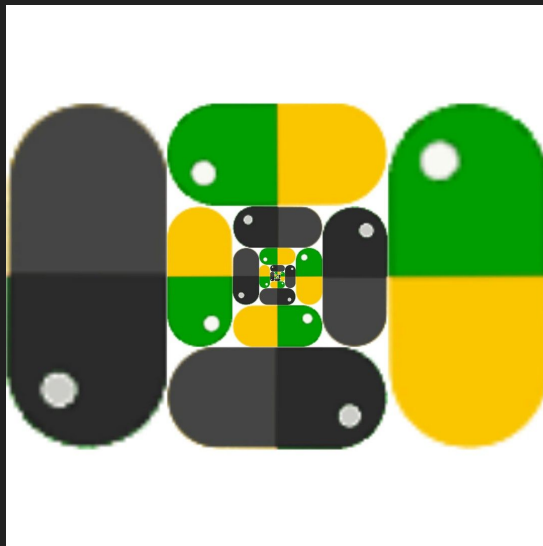
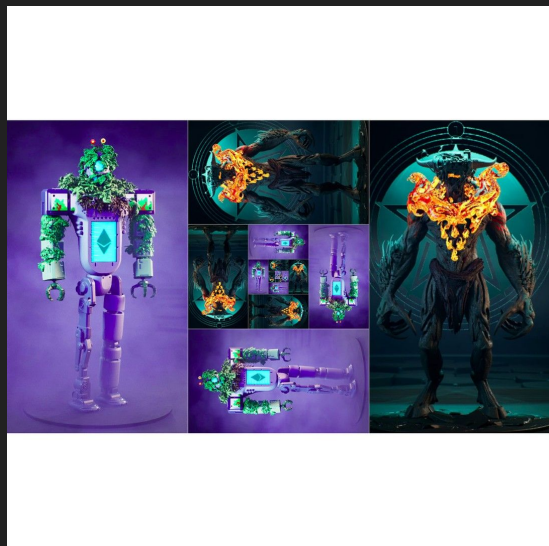
2021 mathart



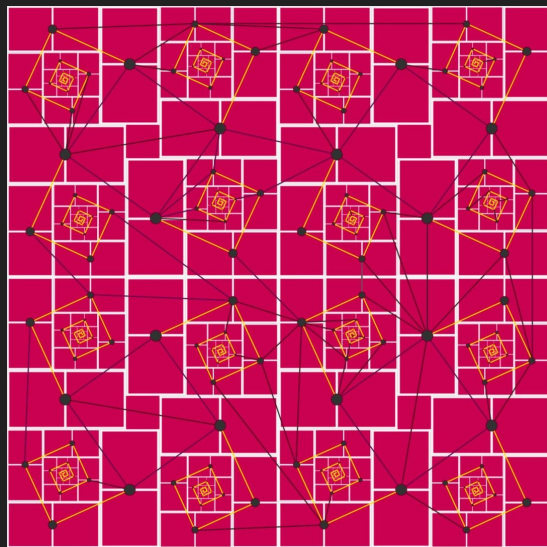
$$x = 40x + 40x^2$$
$$(7/10)^{10} = x$$



2021 mathart



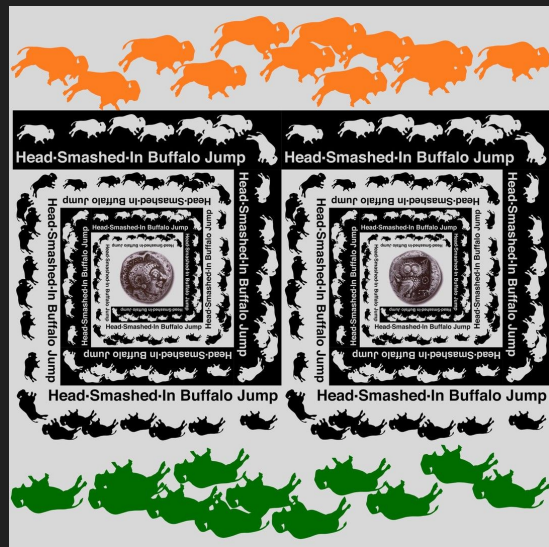
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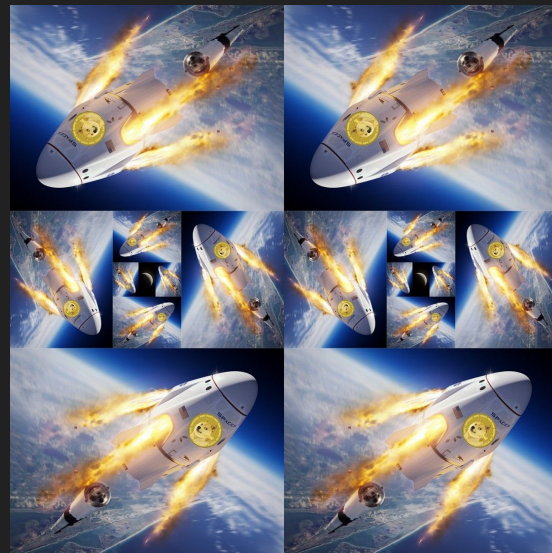
2021 mathart



2021 mathart

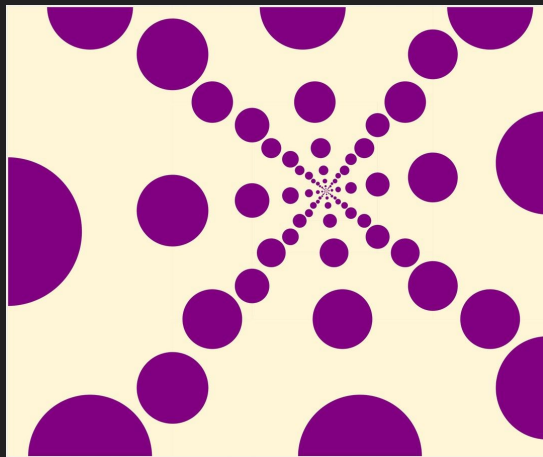


stereogram

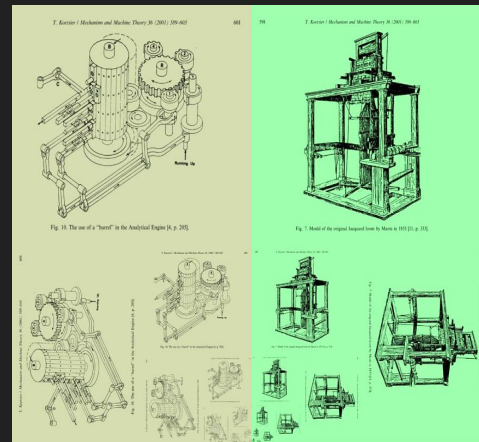
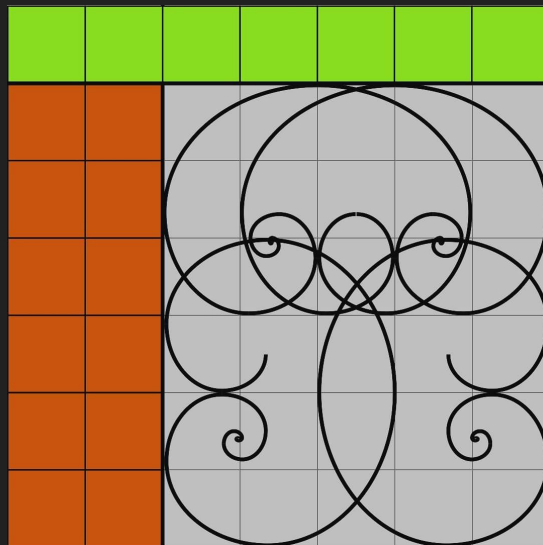
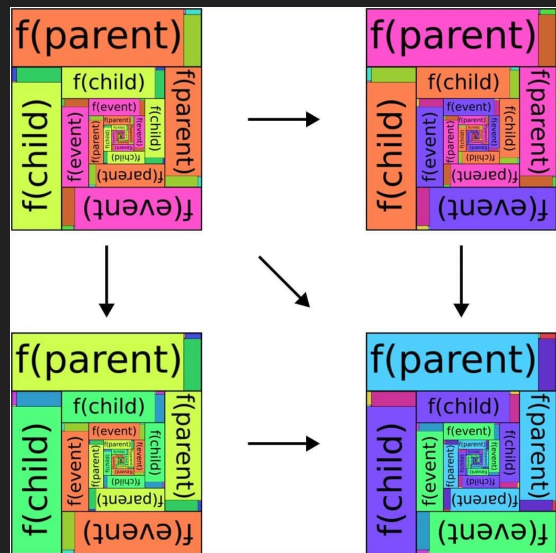


stereogram

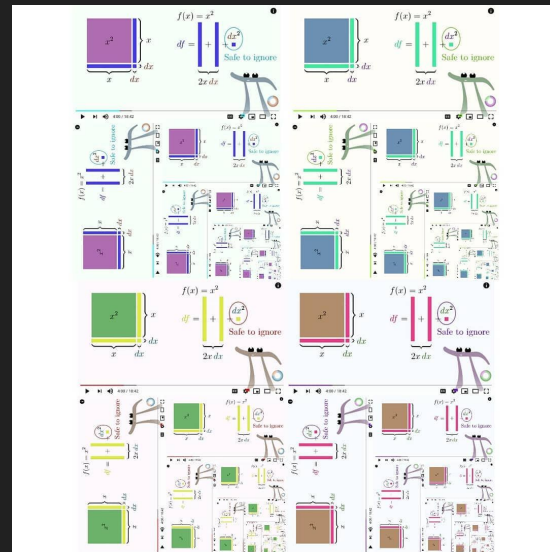
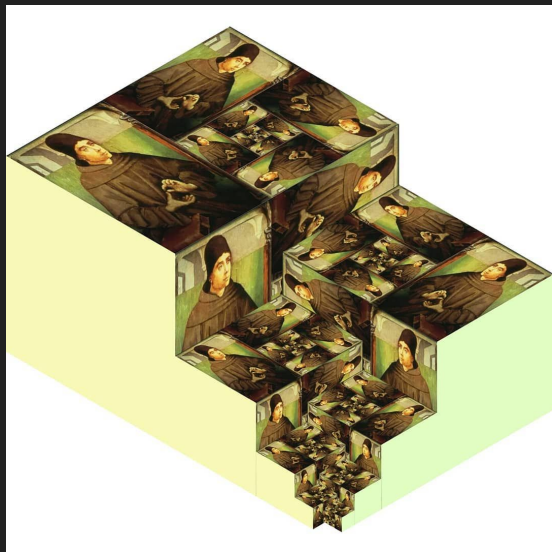
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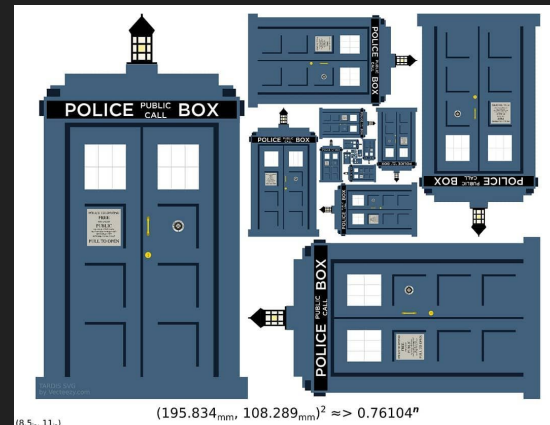
2020 mathart



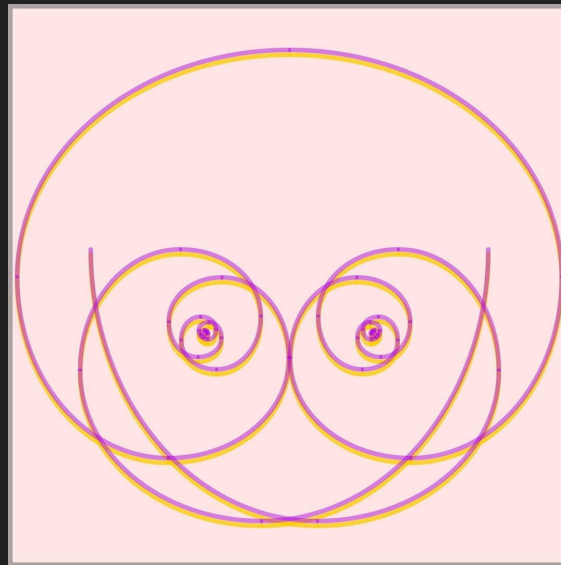
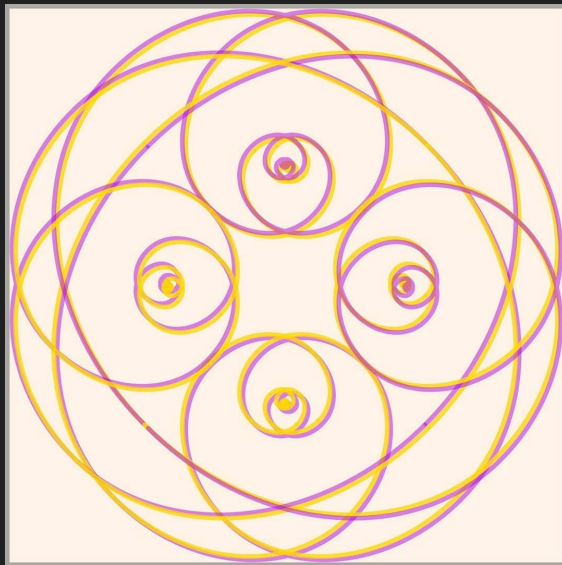
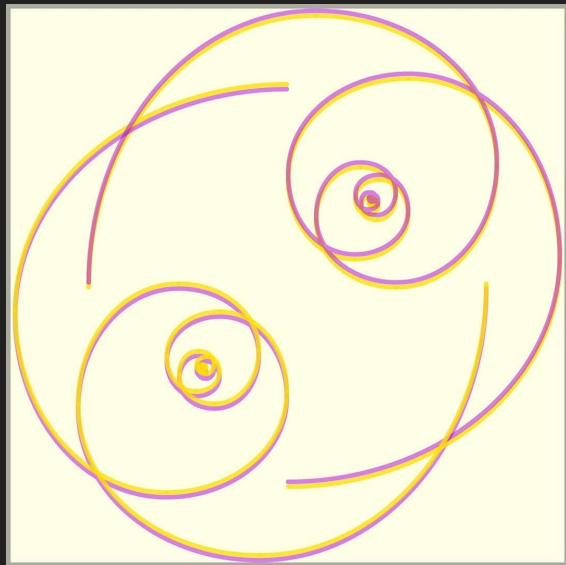
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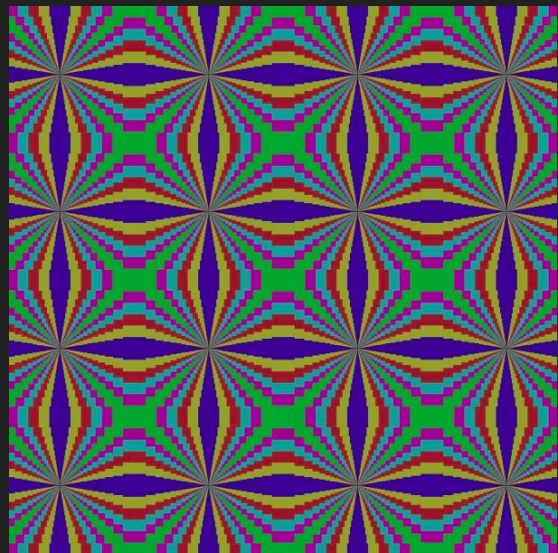
2019 mathart



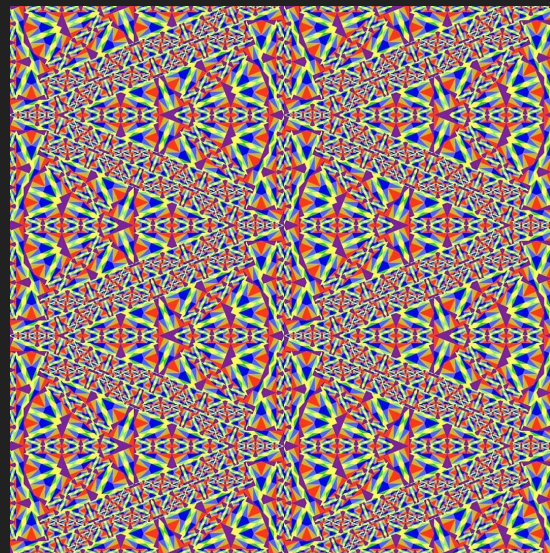
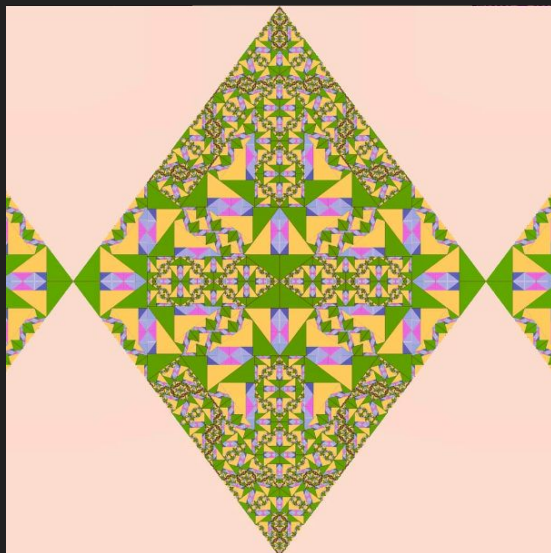
2019 mathart



2018 mathart



stereogram



3D Portfolio

Now to 2023

2024: from SVG to CAD

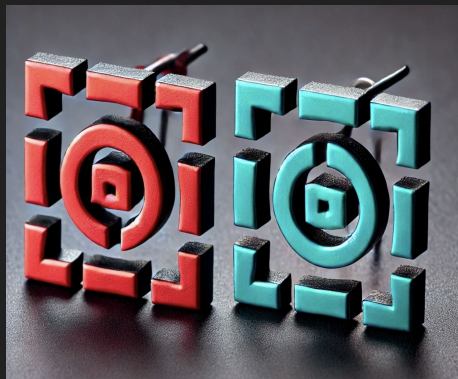


2023: not yet true 3D (at CabinDAO)



Next Projects

2024 onwards



Next Projects

& Call to Action

- Architects Competition to :
 - Build a Town Center Monument @ Metacampus, Costa Rica
 - Build a Town Center Monument @ Ecovilla San Mateo, Costa Rica
- Application of Base-Scale Formula to Language Patterns and Consciousness

BASE SCALE GUILD

Inventor	: Kyle MacLean Smith
Sense Making	: Ece Utkucan Anderson
Sculptures	: MIDABI
Makerspace	: Frazier
DeFi	: Daniel Friedman
Jewelry Artist	: ...
Programmer	: ...
Designer	: ...
You?!?	: DM t.me/bestape for invite!

Squaring the Spiral

MINIMUM BUDGET : \$5k for Prototypes

INITIAL BUDGET : \$20k for Prototypes and Sales

IDEAL BUDGET : \$100k Prototypes, Sales and Team

DESIGN TIME : 6 months

DELIVERY : 6 months

AUDIENCE : Artists/ Architects/ Makers
Math Enthusiasts

Revolutionaries



THANK YOU

<https://besta.pe/>

kyle@besta.pe

@bestape