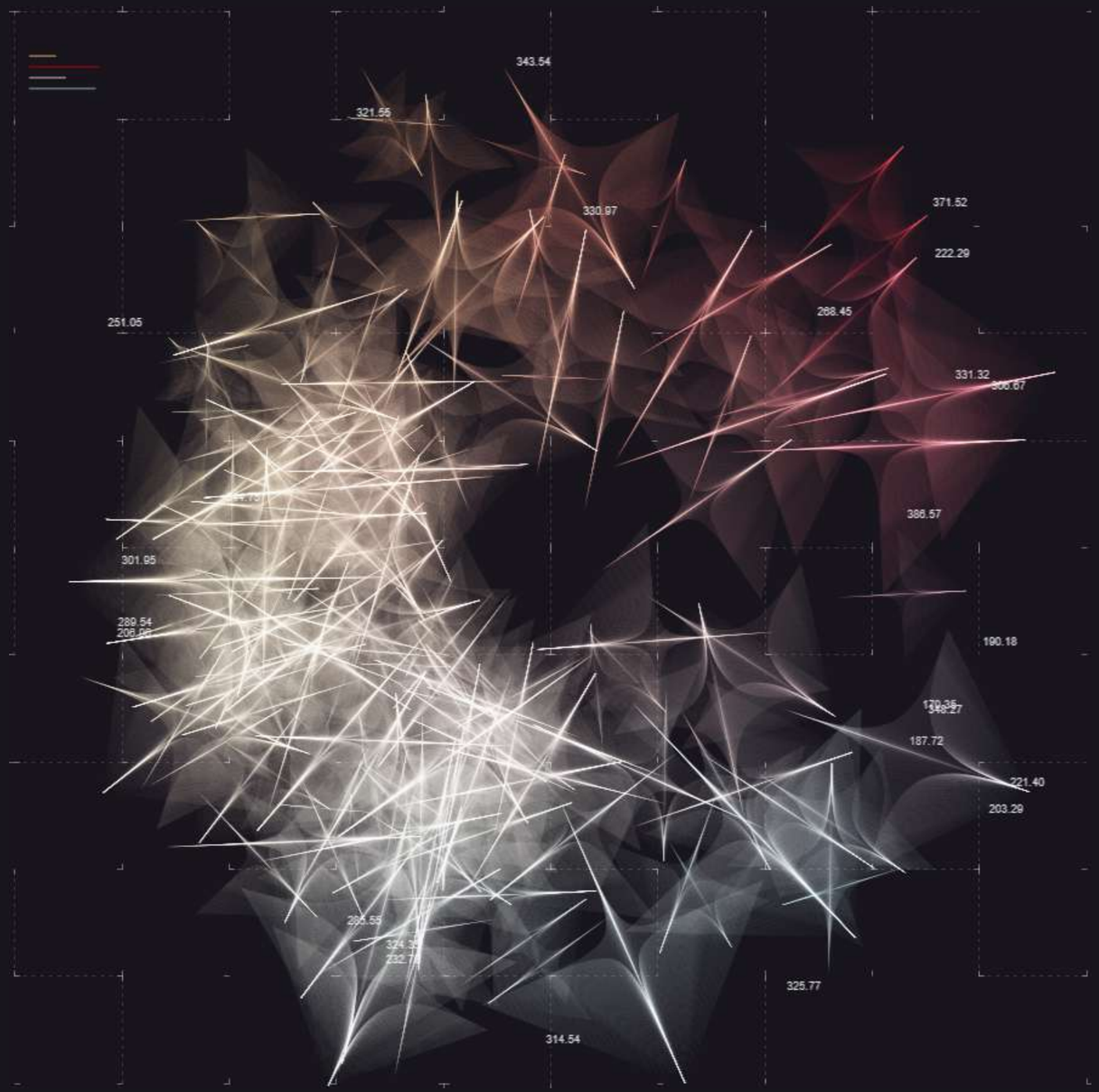


Generative art

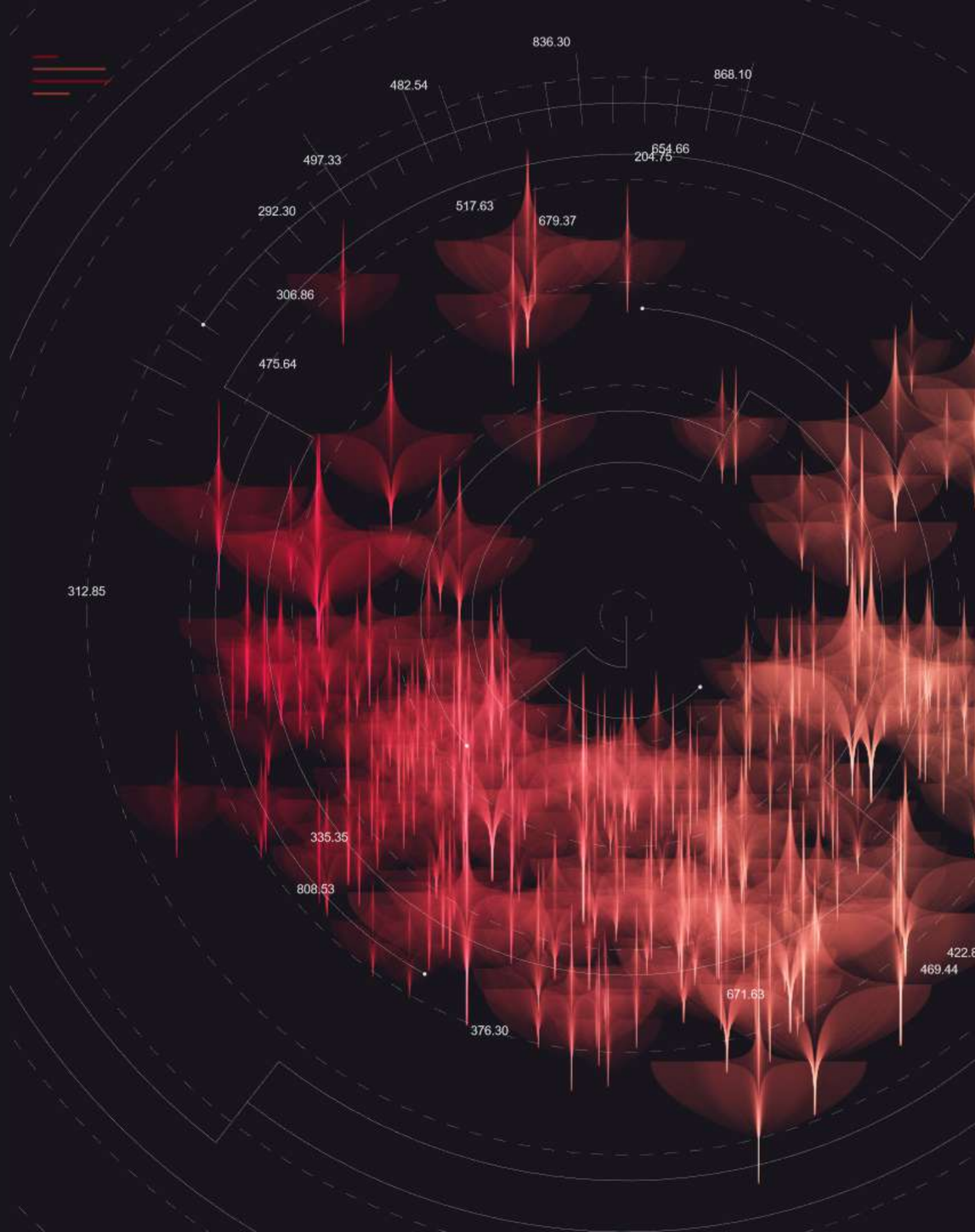
Aleksandra Jovanic

How I got to generative art?

Computer Siences at Faculty of Mathematics
Digital Art at University of Arts
Faculty of Fine Arts - New Media

art games & interactive art

algoritmic art / generative art



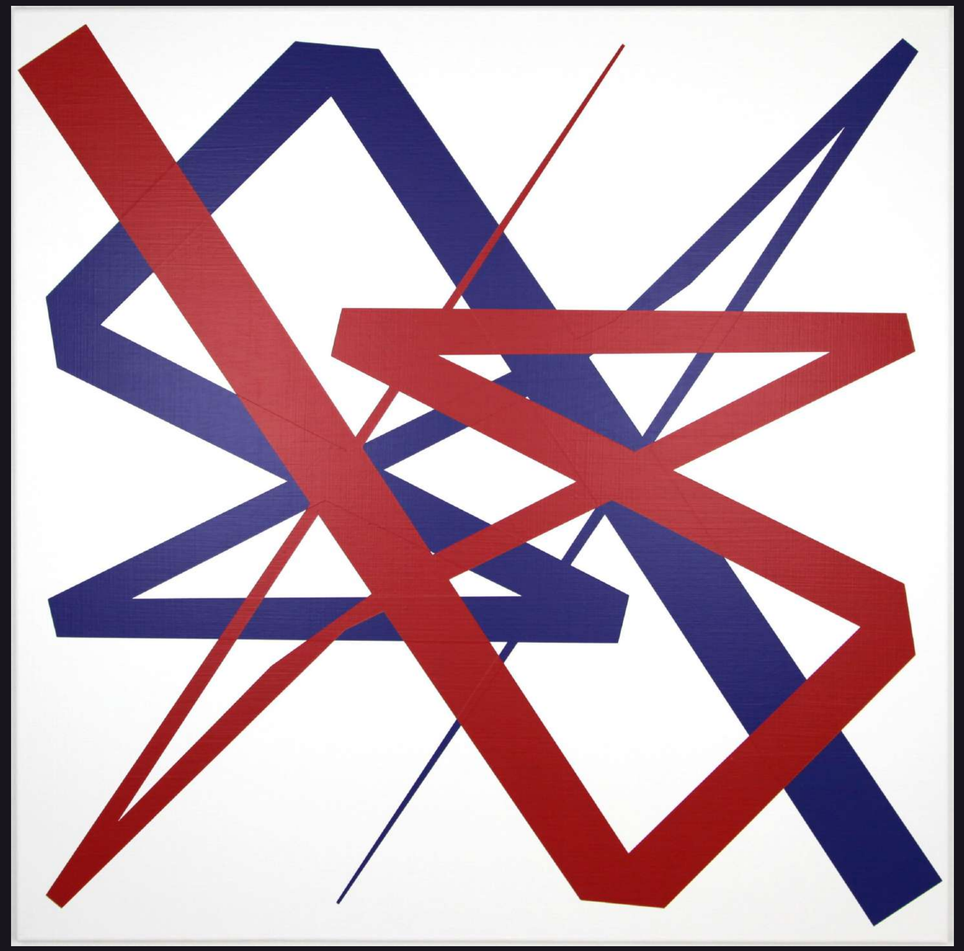
Generative art definition

*“Generative art refers to any art practice where the artist uses a system, such as a set of natural language rules, a computer program, a machine, or other procedural invention, which is set into motion with some degree of autonomy contributing to or resulting in a completed work of art.” (Galanter 2003).

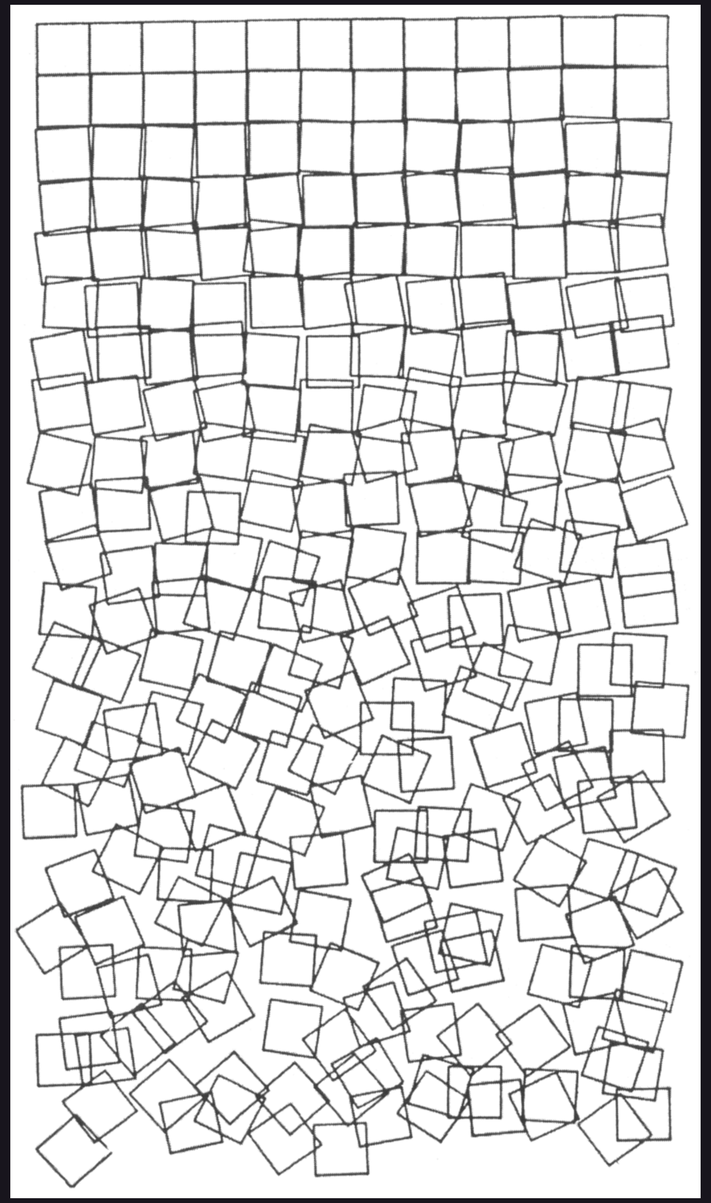
History
even before computers

Sol LeWitt

Vera Molnar

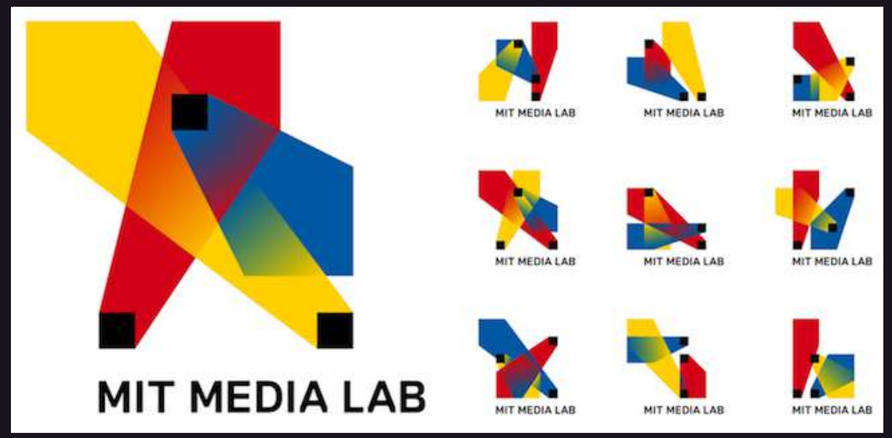


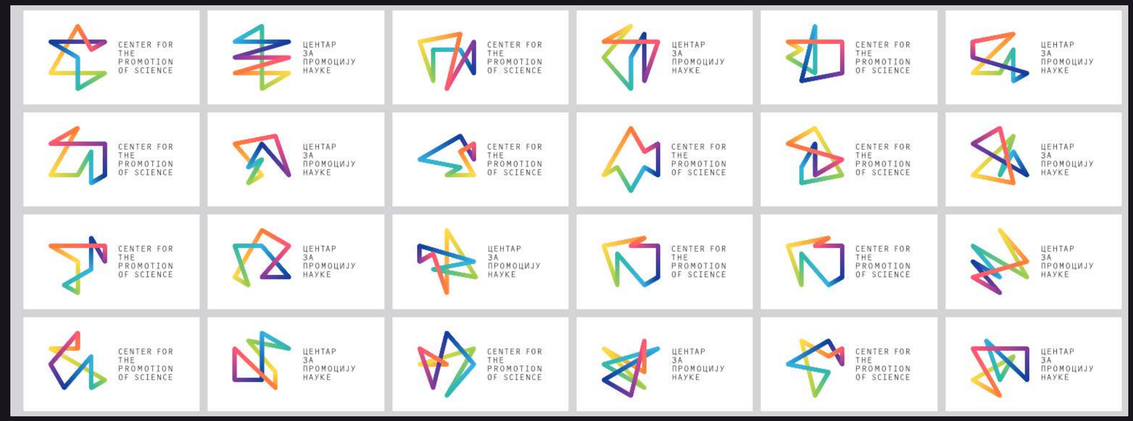
Georg Nees



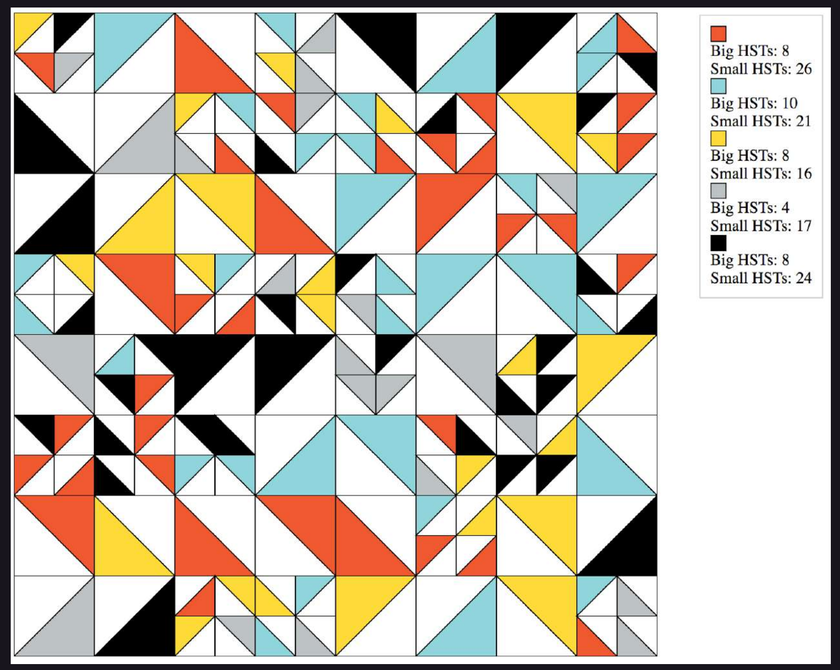
Manfred Mohr

generative/parametric design

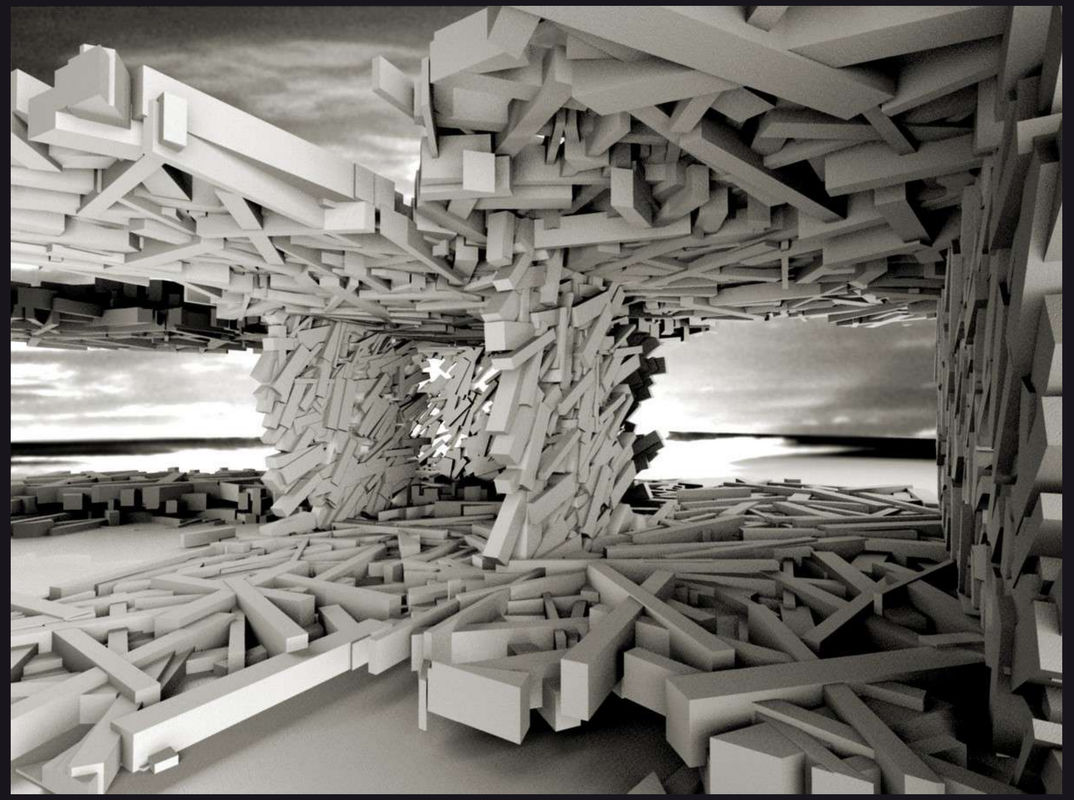




generative/parametric design

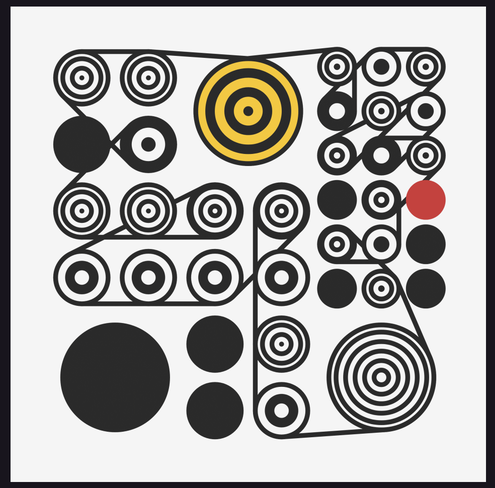


generative/parametric architecture

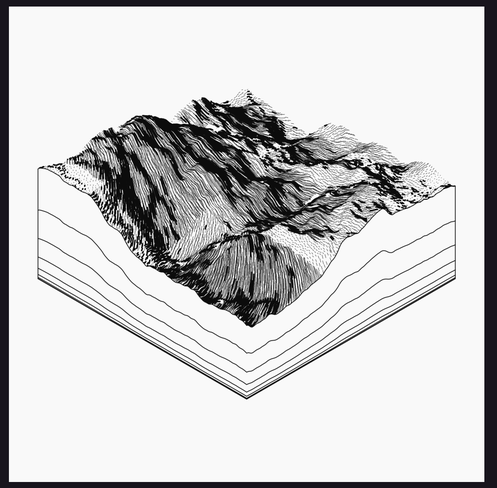


Gen Art popularity

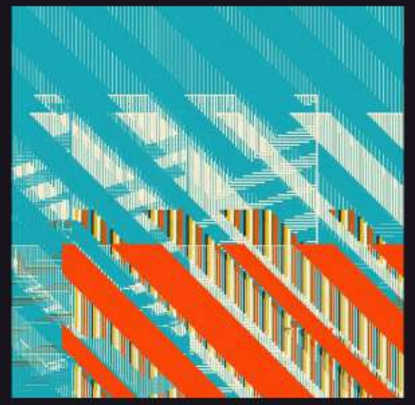
Tyler Hobbs



Dmitri Cherniak



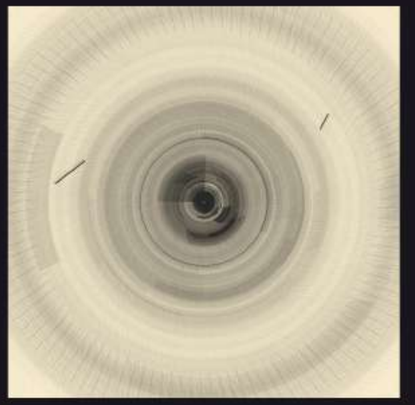
Matt DesLauriers



Lisa Orth

Licia He

Emily Xie



Iskra Velichkova

Ivona Tau

Melissa Wiederrecht

LIA

How to start with Gen art?

- various environments and systems
- web specific - javascript and libraries

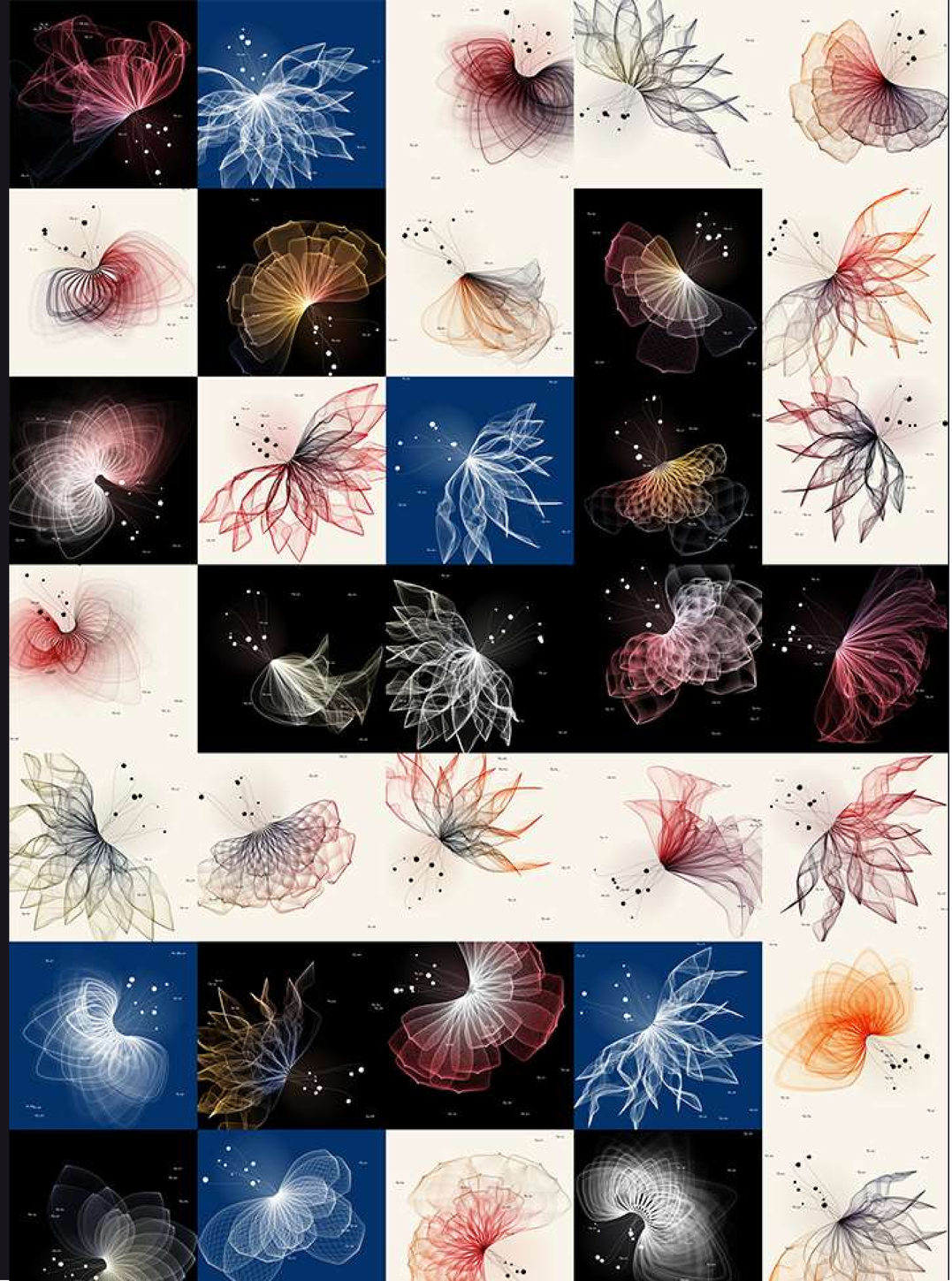
- chery picking vs. long form
- saved outputs - static image, anim gif, video...
- code can be executed from browser

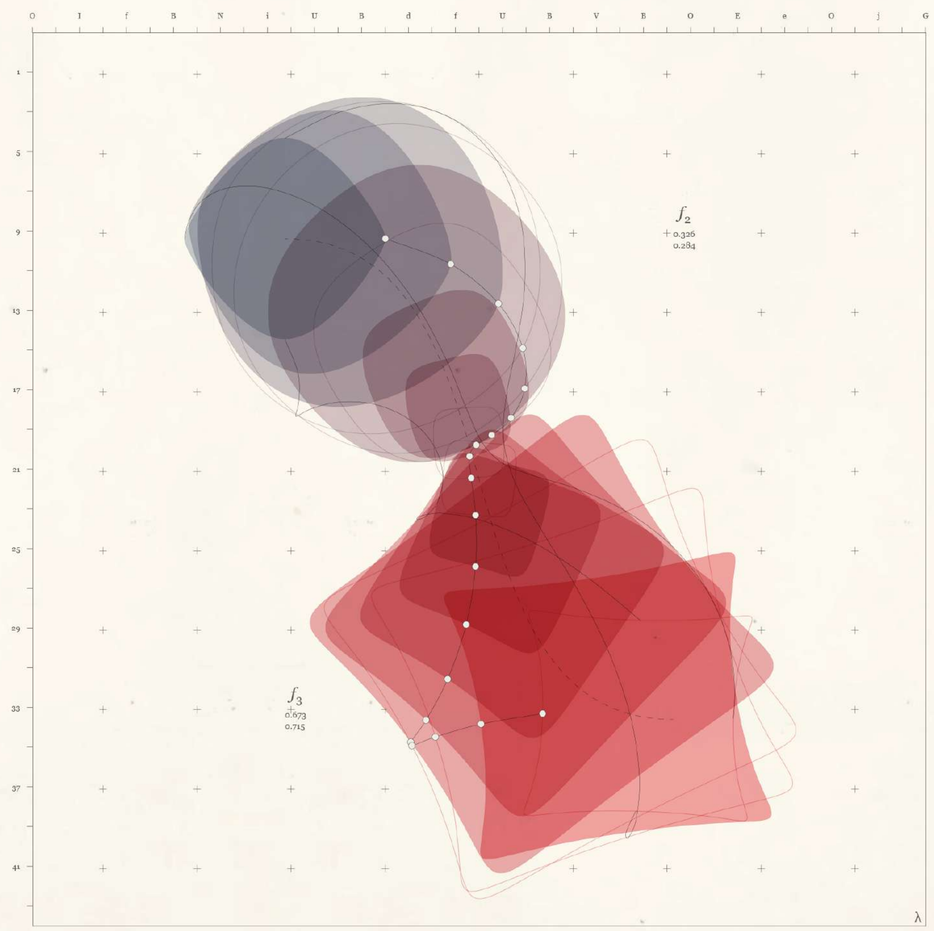
hash

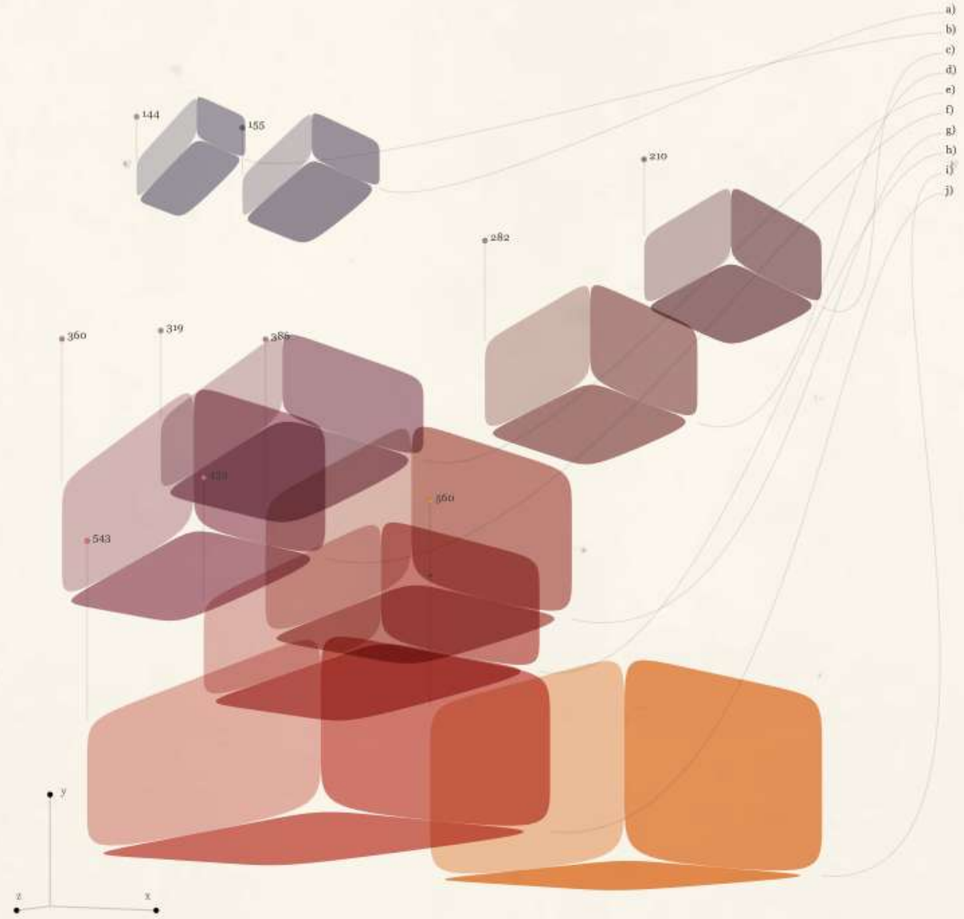
infinite
unique 1/1 edition
from one code

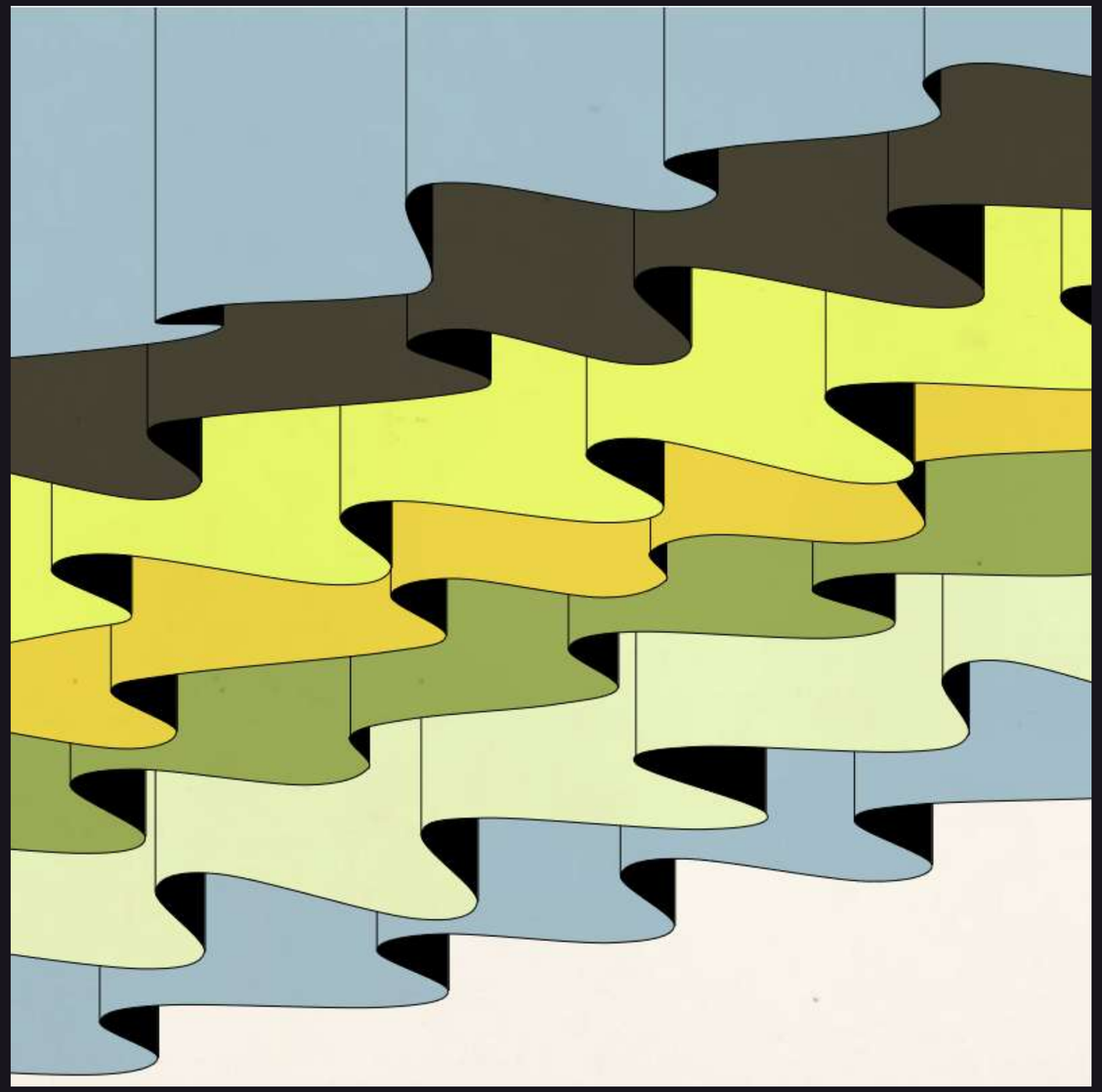
PRNG

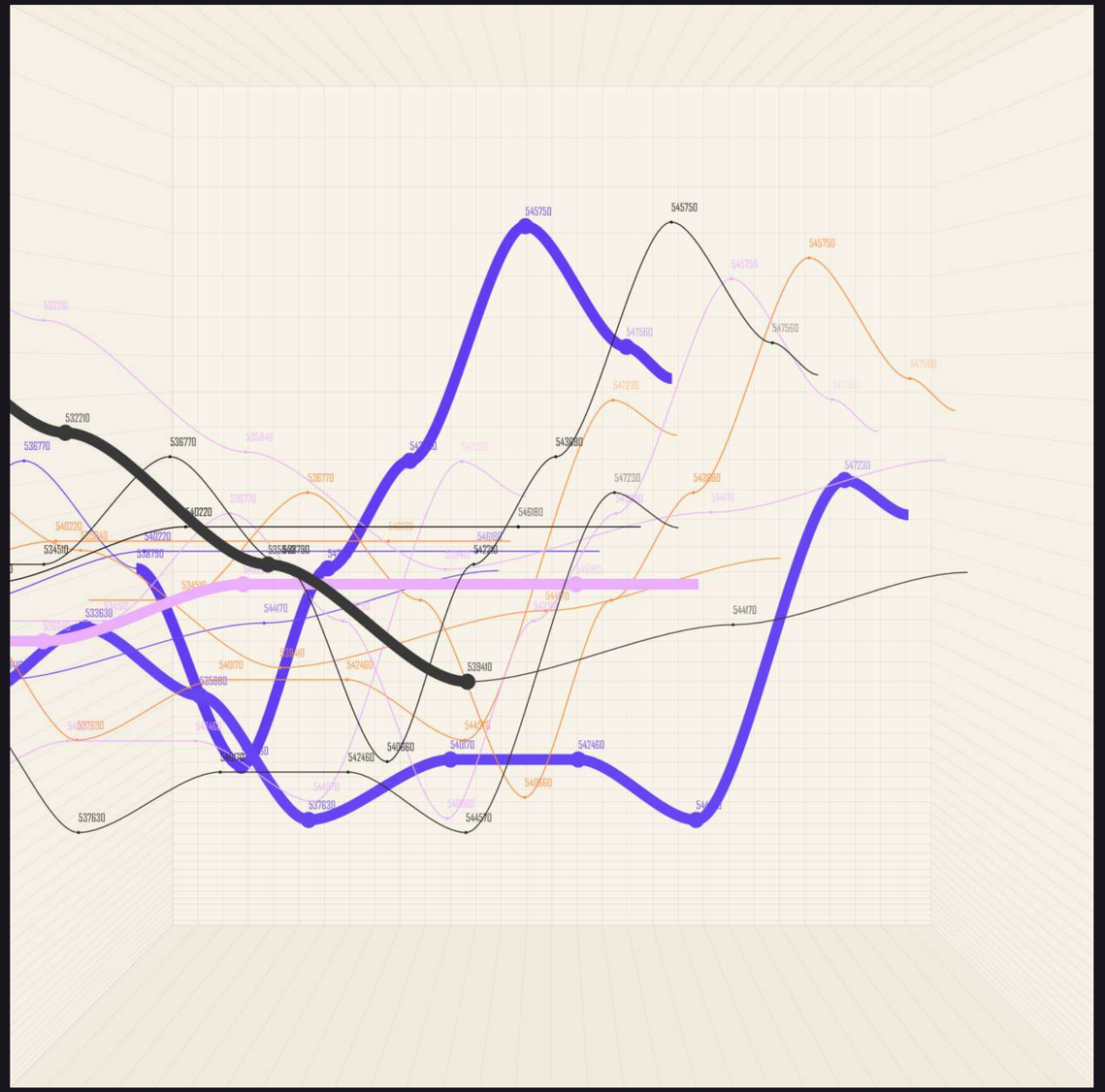
pseudo random number generator




O I f B N i U B d f U B V E O E e O j G
1
5
9
13
17
21
25
29
33
37
41
f_2
0.326
0.284
f_3
0.673
0.715
λ


a)
b)
c)
d)
e)
f)
g)
h)
i)
j)
144
155
210
282
360
319
388
543
y
z
x
λ

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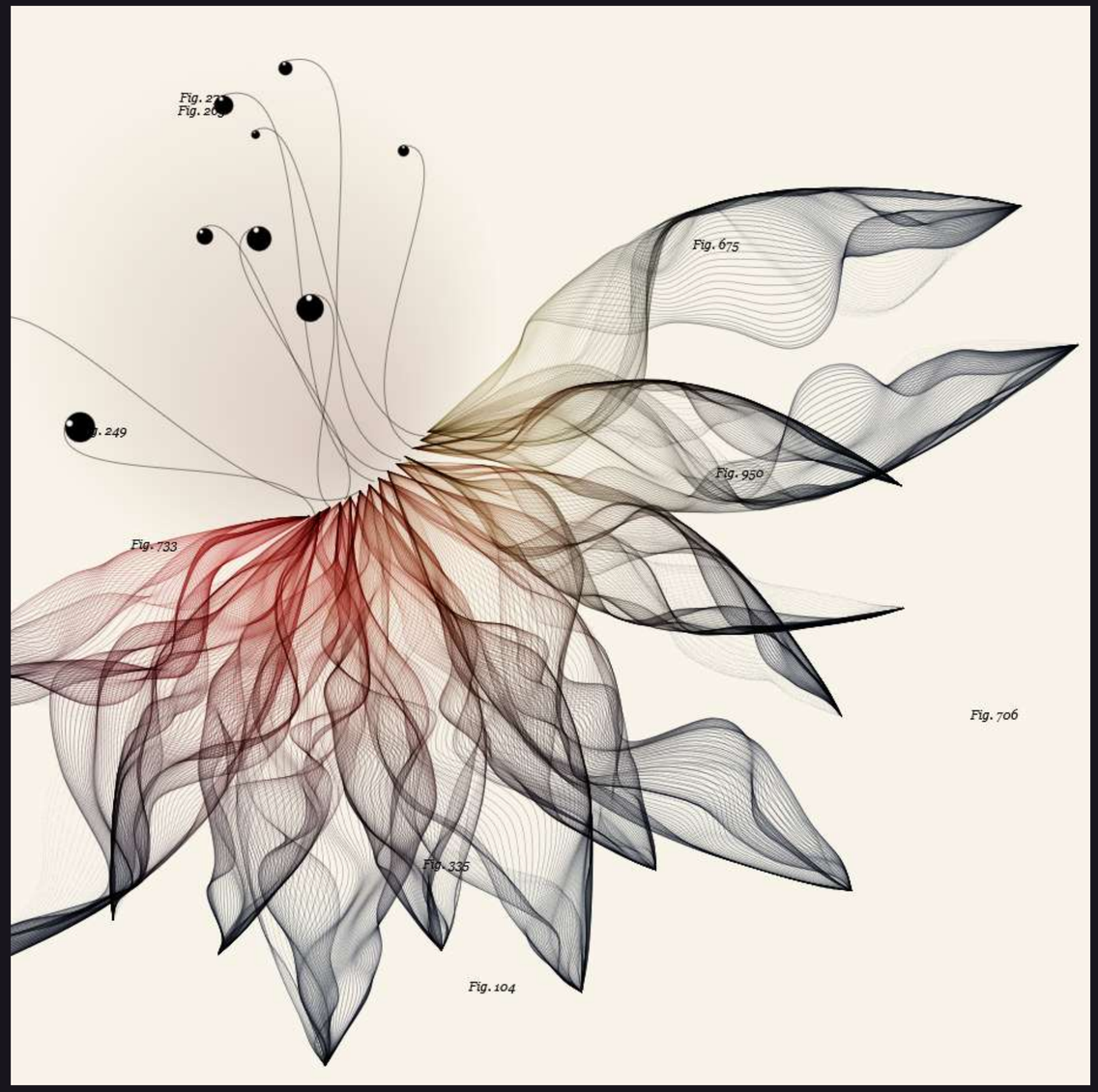
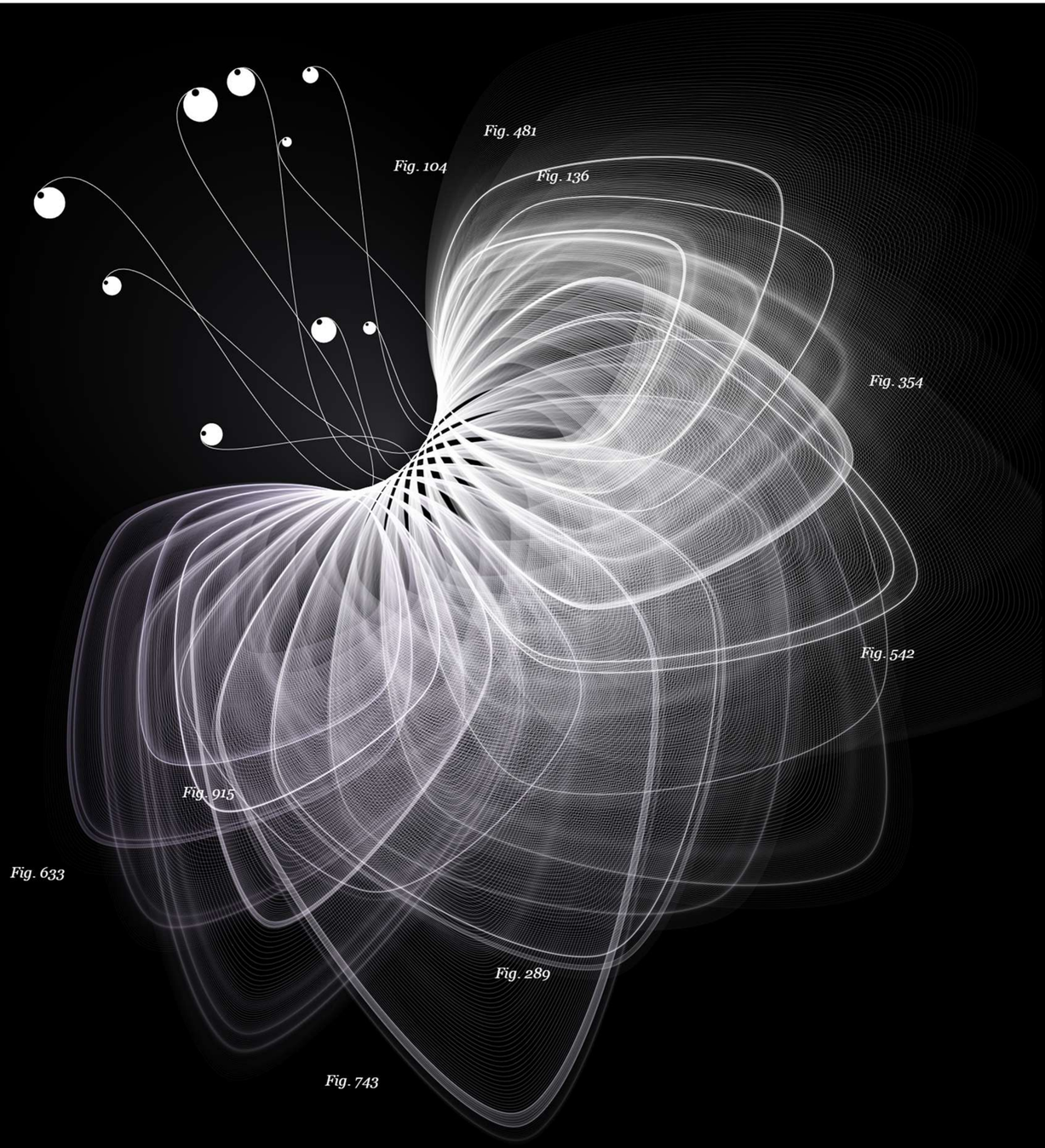


Fig. 675
Fig. 950
Fig. 733
Fig. 706
Fig. 335
Fig. 104

aleksandrajovanic.com

twitter.com/alexis_o_O

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