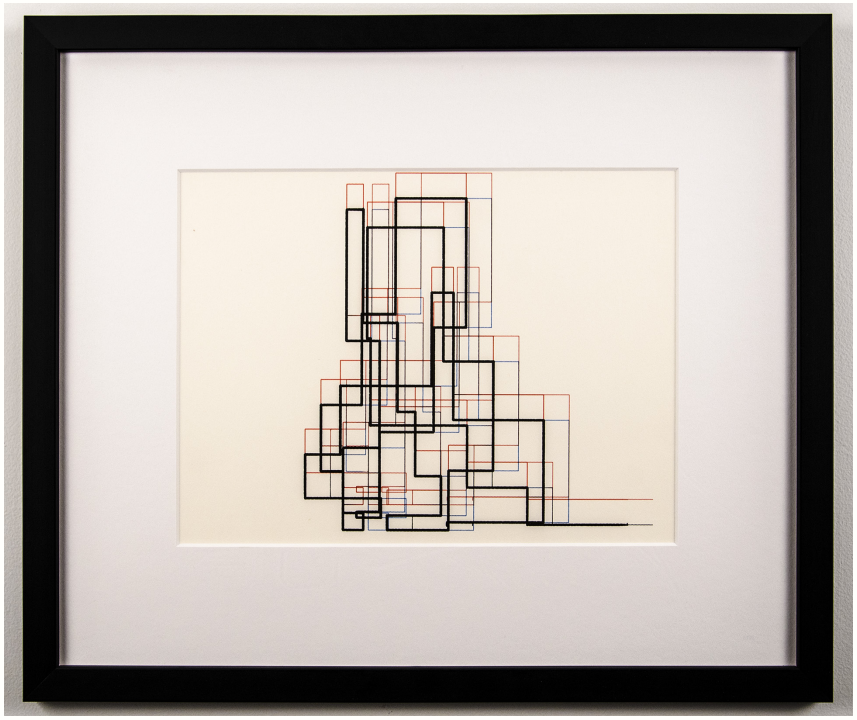
Louise Delrieu

ALGORITHMIC AESTHETICS

Recoding Project

Achsenparalleler Polygonzug 25/2/65 Nr.14 by Frieder Nake



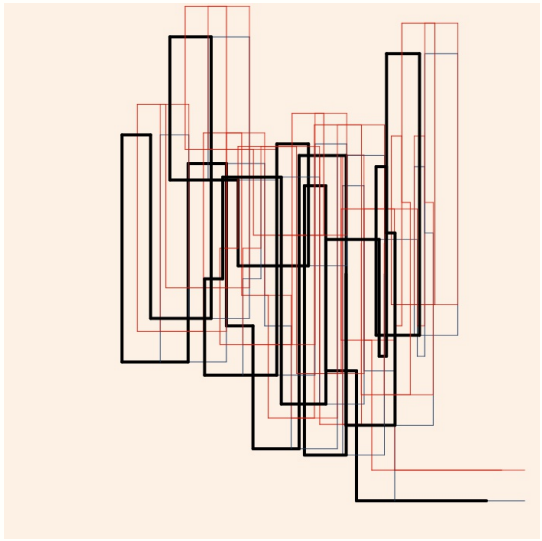
Year : 1965
Technique : drawing, c., computer-generated
Dimensions : 22.5 × 31.3 cm

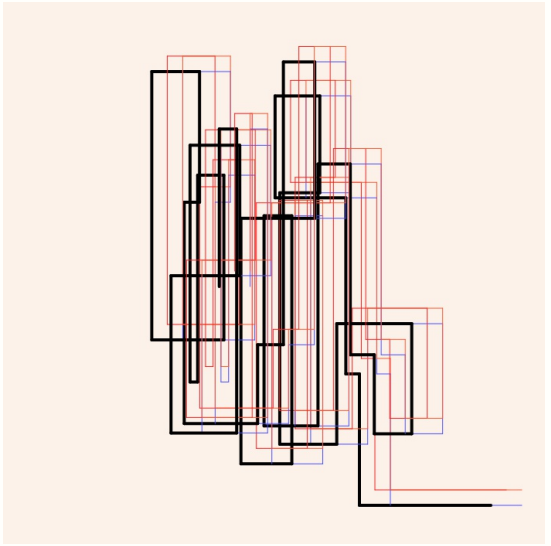
ANALYSIS

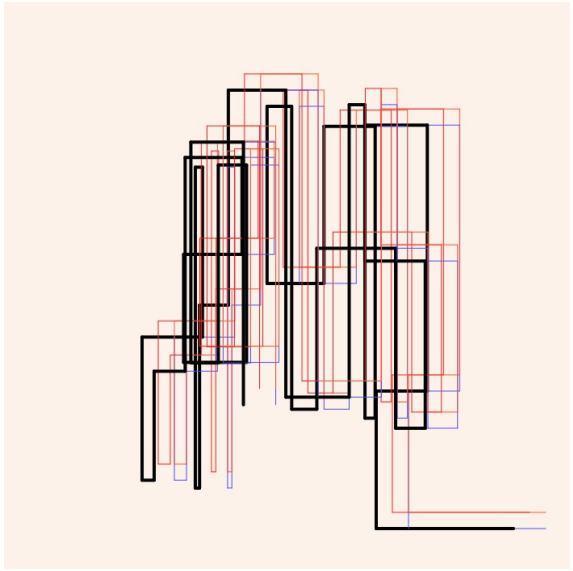
The shape takes the entire height and is centered at the width. There are four colors, the one you notice first is black because the black line is thicker. There are also red, orange and blue.
It is a geometric shape made up of alternating horizontal and vertical lines one after the other. The main path is the black path, the other paths are horizontal, vertical or both translations from the black path. The lengths of the different segments are different each time, they are chosen randomly.

PSEUDO CODE

To start, we draw an horizontal segment in black at the bottom right of the frame then we draw three other segments, one orange, one red and one blue. Red is in vertical translation, blue in horizontal translation and orange is in vertical and horizontal translation all with respect to the black line. Then, we continue the plots with a vertical segment. We loop like that N times. During each loop we draw each line, the black, the orange, the red and the blue as segment of random lenght. We alternate between a horizontal line and a vertical line.







PROJECT EXTENSION

As an extension of my project I chose interactivity. When the mouse is moved over the frame, the geometric shape change. The lengths of the different segments increase or decrease. If we move the mouse from right to left, the horizontal segments are modified and if it's up and down, it's the vertical segmant that are modified.
To see it in real,there is an example gif image in the git repository home page.

Git repository link :

https://gitlab.com/louise.delrieu25/esthetique_algorithmique