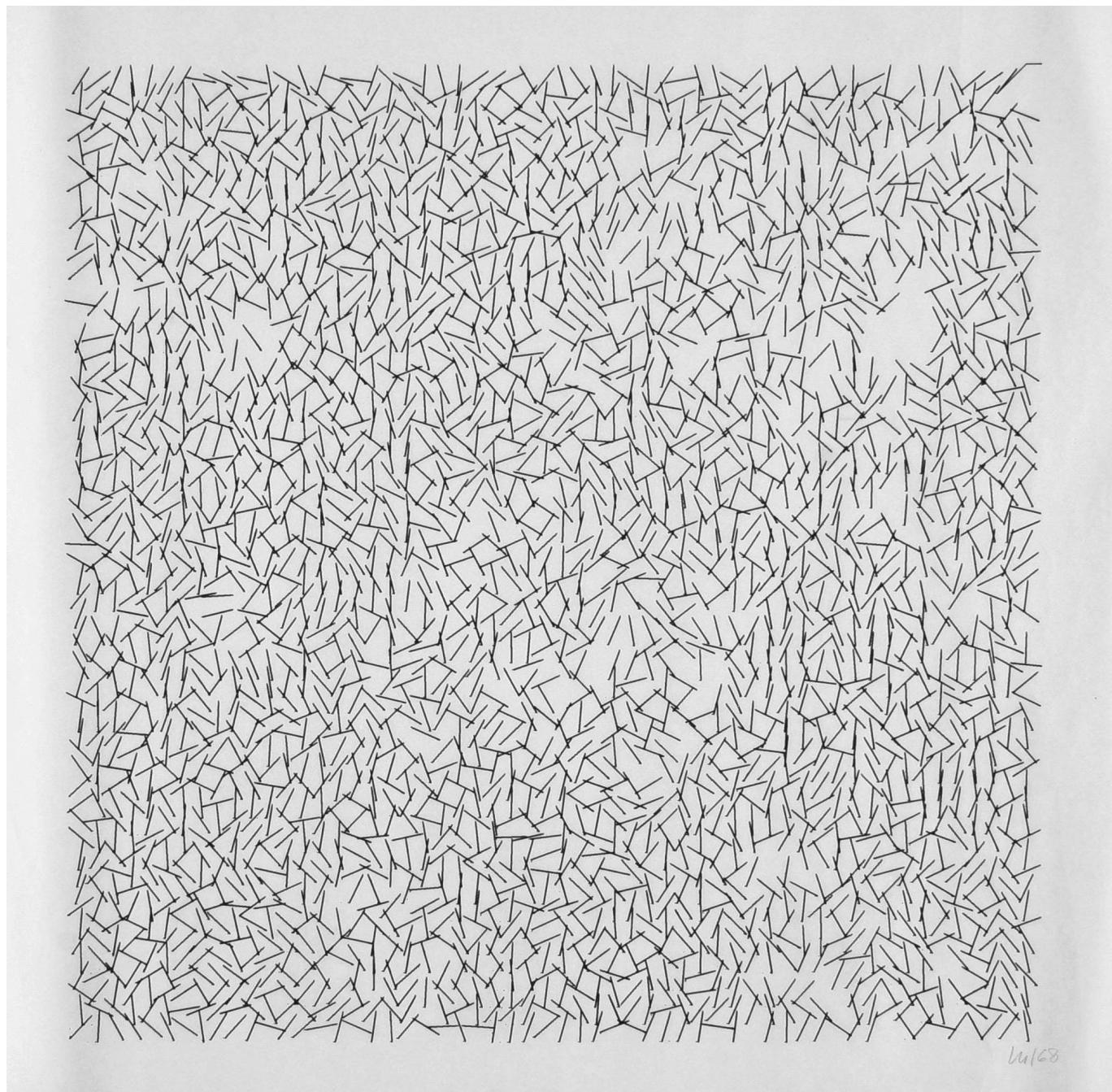


Personal Toolbox - Recode *Interruptions*



In this series of assignments, you will be building your own library for drawing with SVG. This assignment extends your work in "Recode *Sainte-Victoire en Rouge*", "Recode (Des)Ordres", and "Recode Schotter", asking you to now implement programmatic randomness and noise functions.

Your goal in this assignment is to write a program that generates an SVG file. This file should (to some reasonable degree) replicate [Interruptions](#) (1968-1969) by [Vera Molnar](#).

To do this, you will need to implement reusable program components that can introduce randomness to some degree using one of the following methods:

- Random number generation
- Perlin noise

- Worley noise

Using your new randomness code, draw *Interruptions* as an SVG file. Then, make one or more creative variations on *Interruptions*, experimenting with different levels of randomness or elements.

Learning Goals

- Practice manipulating and transforming visual components.
- Practice writing reusable code components
- Expand and refactor your own library to incorporate composite components

Deliverables

- An SVG file that replicates *Interruptions*.
- One or more SVG files that are variations on *Interruptions*.
- The program that generated the SVG files, containing your library (which should now be primitive components, path, polyline, group, transforms, and randomness).
- A README.md file that briefly explains how to run your program, where to find your new components, and any important design decisions you made.

All of the above should be committed to a GitHub repository; submit the URL of this repository.

Grading Criteria

So long as you attend the critique, work may be redone and resubmitted for a higher grade.

- A
- Your recreation is accurate and thoughtfully done.
 - Your variations are interesting and demonstrate creative risk-taking.
 - Your components do their job and are used to create the artwork.
 - Your readme is clear and sufficient.

- B
- One of the required components is missing.

- C
- You did not participate in critique, or the work does not reflect your capacity.

D

- F
- Multiple components are missing entirely, the work is incomplete, or the work is clearly phoned in (well below your capacity).