

ACM CHI Conference on Human Factors in Computing Systems 2023

The Art of Creating Code-Based Artworks

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[Tim Rodenbröker - Mirrors]

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**Creative Coding has a different
development process that emphasizes
the expressivity of computer
programming beyond something
pragmatic and functional**

John Maeda

Identify fundamental characteristics and commonalities in the development process of code artists



[Joana Chicau - Live performance]

	Background	Fields of interest
Felipe Noriega	Music Composition	Live Coding, Sound Sculpture
Joana Chicau	Communication Design, Choreography, and Performance	Live Coding, Experimental Interfaces Design
Michael Kreß	Graphic Design and Typography	Font Generation Installations, Generative Typography
Sumeet Rohilla	Physics and Optical Sciences	Light and Audio Reactive Installations
Tim Rodenbröker	Arts and Graphic Design	Graphic Design & Creative Coding Teaching

Creative Coding iterative nature & versioning

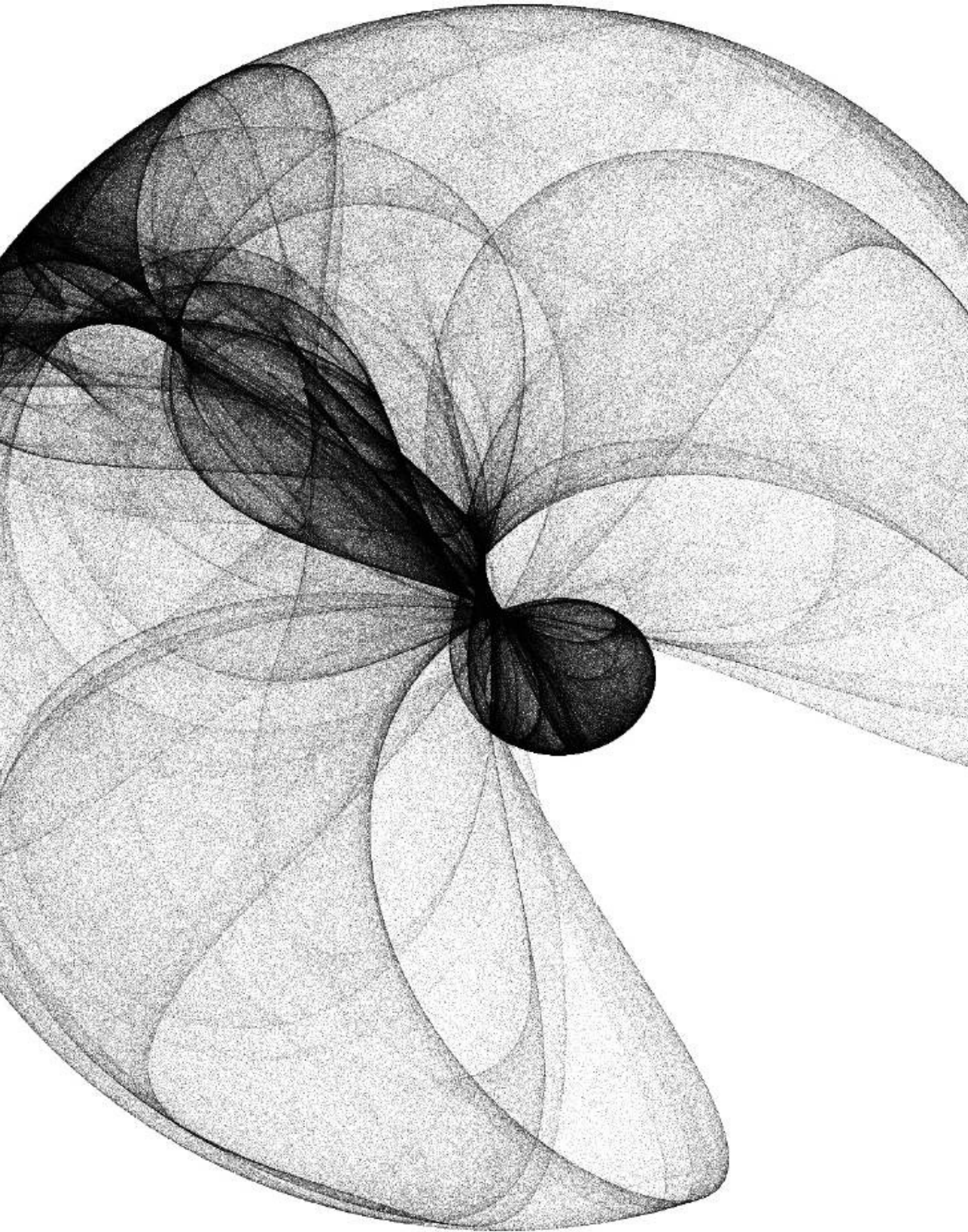
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*It is a creative dialog
like a painter on a
canvas but with code
(...) and it is, first of all,
completely free of a
predefined motive*

Current version control
systems **do not suit the
artists' needs** and present
a steep learning curve

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*Sometimes it is a very
small piece of code. It
is like: **why do I care
about Git** controlling
this piece of code in a
scheme of big things,
right?*



Could **Data Science** methodologies and tools be adopted to improve Creative Coding?

Similar to artists, data scientists create **several analyses** and **plots** before reaching their final model or visualization

Might **hybrid editors** benefit and enrich the experience of Creative Coding?

Provide alternative notations depending on users' **background** and **level of expertise**

[Tim Rodenbröker - Programming Posters]



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