Generative Art: A Practical Guide Using Processing

By Matt Pearson

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Summary

Generative Art presents both the technique and the beauty of algorithmic art. The book includes high-quality examples of generative art, along with the specific programmatic steps author and artist Matt Pearson followed to create each unique piece using the Processing programming language.

About the Technology

Artists have always explored new media, and computer-based artists are no exception. Generative art, a technique where the artist creates print or onscreen images by using computer algorithms, finds the artistic intersection of programming, computer graphics, and individual expression. The book includes a tutorial on Processing, an open source programming language and environment for people who want to create images, animations, and interactions.

About the Book

Generative Art presents both the techniques and the beauty of algorithmic art. In it, you'll find dozens of high-quality examples of generative art, along with the specific steps the author followed to create each unique piece using the Processing programming language. The book includes concise tutorials for each of the technical components required to create the book's images, and it offers countless suggestions for how you can combine and reuse the various techniques to create your own works.

Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

What's Inside

- The principles of algorithmic art
- A Processing language tutorial
- Using organic, pseudo-random, emergent, and fractal processes

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Editorial Review

About the Author

Matt Pearson is an artist, coder, and award-winning blogger based in Brighton, UK. His popular blog https://zenbullets.com/ recently won "best blog" at the DiMAS awards. Matt is also the creative force behind the 100 Abandoned Artworks Generative Art project https://abandonedart.org/, where you can see many examples of his work.

Users Review

From reader reviews:

Nancy Nault:

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