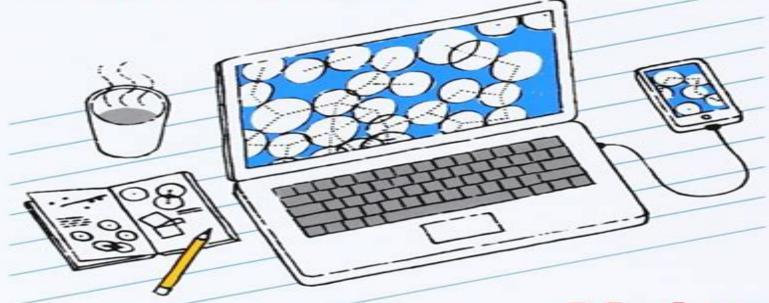
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# Getting Started with Processing

Casey Reas & Ben Fry



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Make Casey Reas. Ben Fry, Casey Reas, 2015

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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 Table of Contents Part 1 Creative Coding Generative Art In Theory and Practice Processing A Programming Language for ArtistsPart 2 Randomness and Noise The Wrong Way to Draw A Line The Wrong Way to Draw a Circle Adding Dimensions Part 3 Complexity Emergence Autonomy Fractals Processing 2 Jan Vantomme, 2012-09-20 Over 100 highly effective recipes to help unleash your creativity with interactive art graphics computer vision 3D and more Getting Started with Adafruit Trinket Mike Barela, 2014-09-26 Arduino's ubiquity and simplicity has led to a gigantic surge in the use of microcontrollers to build programmable electronics project Despite the low cost of Arduino you re still committing about 30 worth of hardware every time you build a project that has an Arduino inside This is where Adafruit's Trinket comes in Arduino compatible one third the price and low power the Trinket lets you make inexpensive and powerful programmable electronic projects Written by one of the authors of Adafruit s Trinket documentation Getting Started with Trinket gets you up and running quickly with this board and gives you some great projects to inspire your own creations Visualizing Data Ben Fry, 2008 Provides information on the methods of visualizing data on the Web along with example projects and code

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