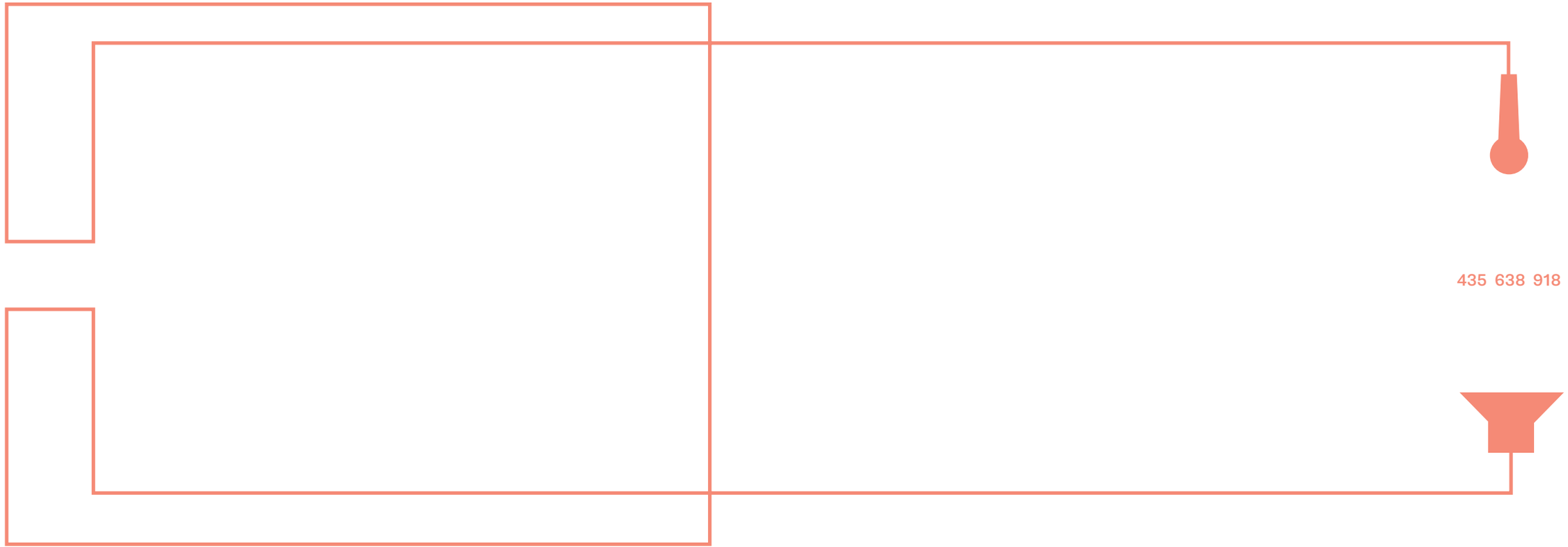

435 638 918


435 638 918

Oscar Robert
Sylvia Tomayko-Peters
Will Urmston

to all the data that didn't make it

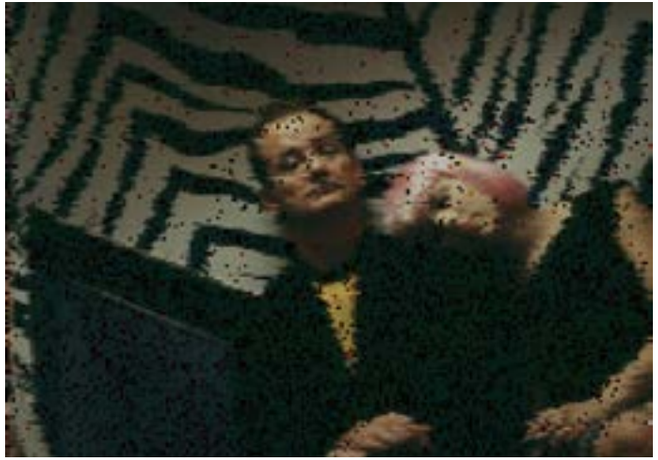
This book is a document of an experiment conducted in the Spring of 2014. We designed a system that converted an image's pixel data using the computer program Processing into sound and sent those frequencies using Max/MSP through the air to another computer, which converted the data back into an image. While possible and poetic, it is a truly awful and archaic way to send data. The process involves converting each image to a list of 34,992 pixel values (red, green, and blue), and converting them to sound, playing them one at a time through three corresponding sine oscillators at different frequency ranges (for example the "R" oscillator had a range of 200 to 455 hertz). After the image was sent through the system, it was converted back to pixel data and sent through again. Each image took thirteen minutes to make it through the system. We also recorded the average color of all of the pixels in each image throughout the process. The resulting image after each "round" can be found on the right side of each spread of this book. On the left is the average pixel color, on a background of the average of the original image. Through this system we were able to play with which components of the image disintegrated over time and which elements remained.

results

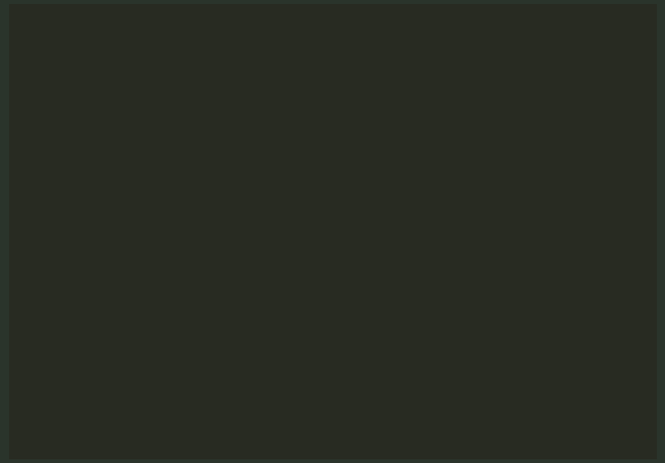
average pixel color

round 1

average pixel color

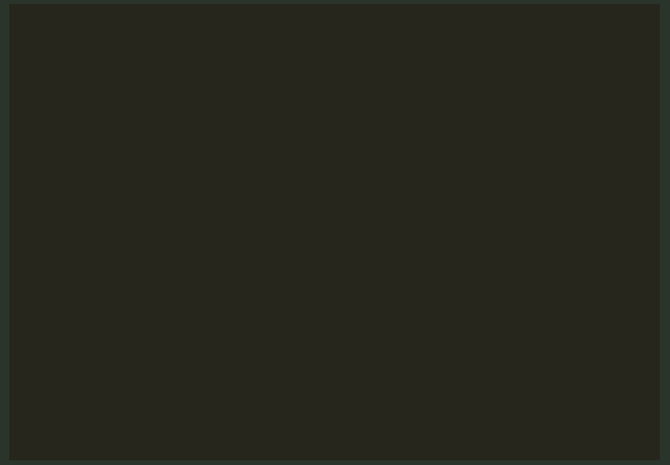


round 2



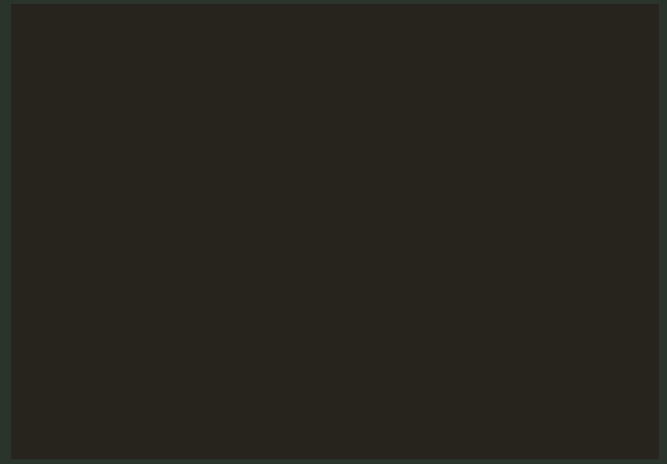
average pixel color

round 3



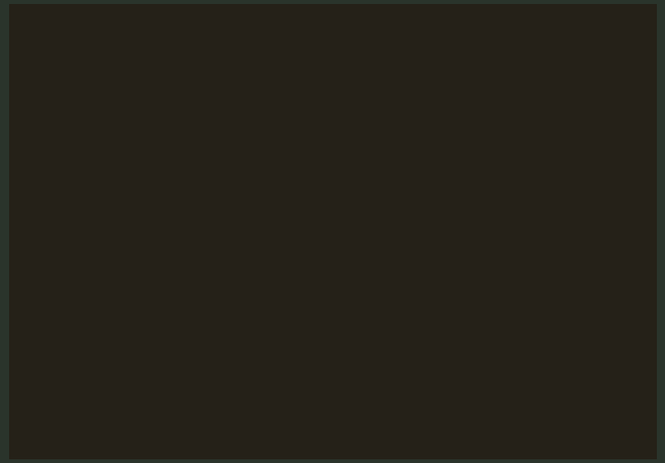
average pixel color

round 4



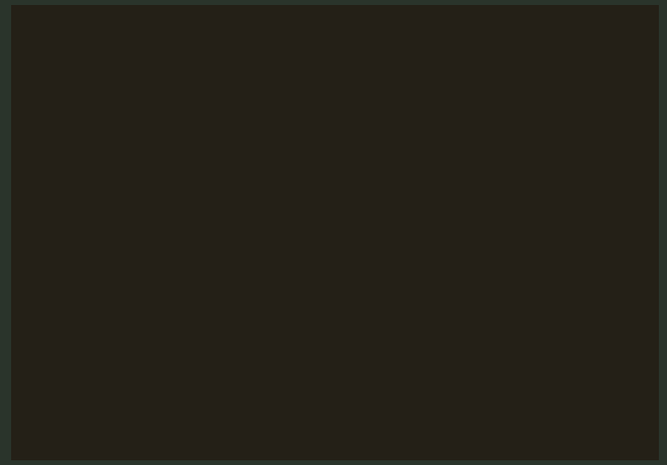
average pixel color

round 5



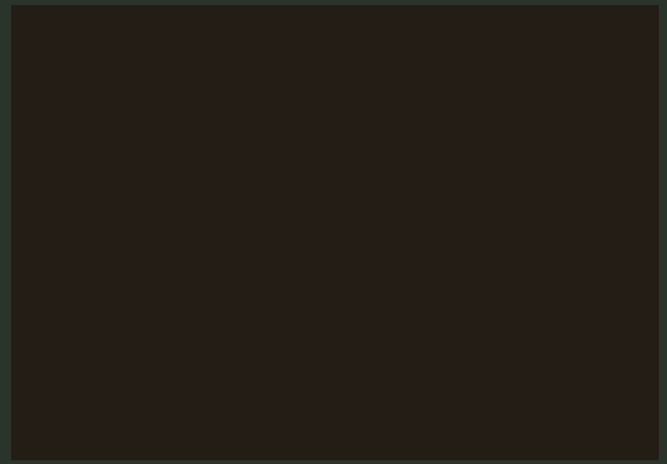
average pixel color

round 6



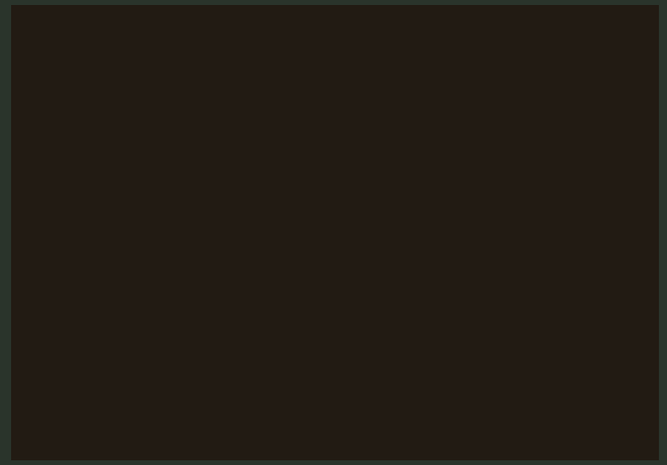
average pixel color

round 7



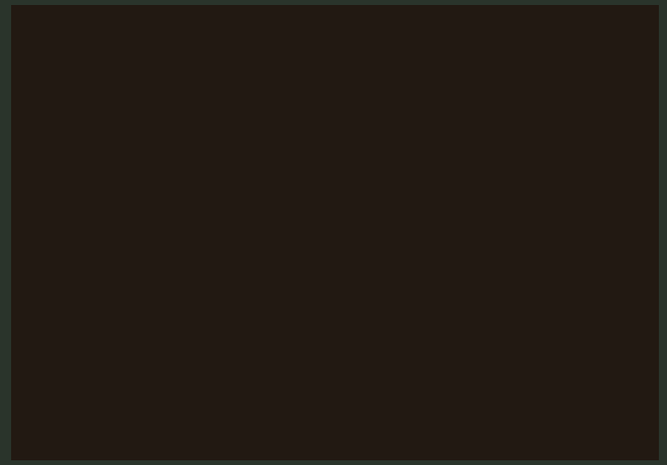
average pixel color

round 8



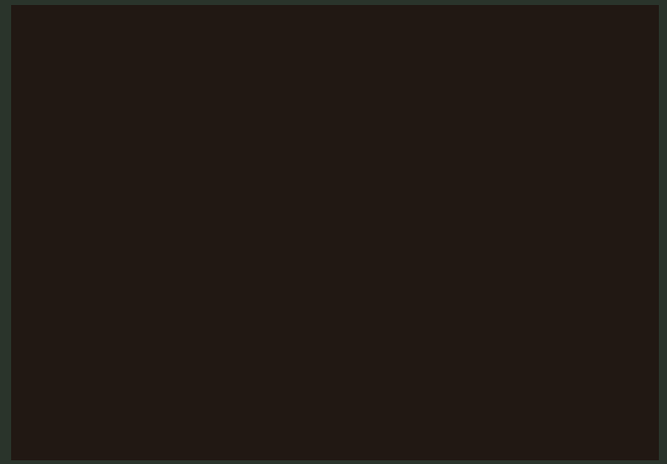
average pixel color

round 9



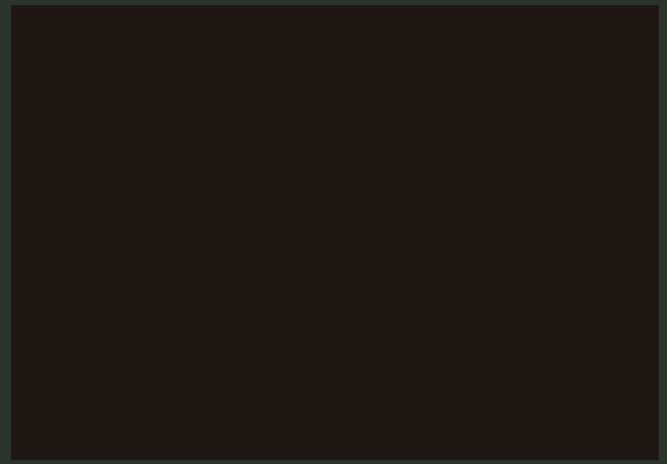
average pixel color

round 10

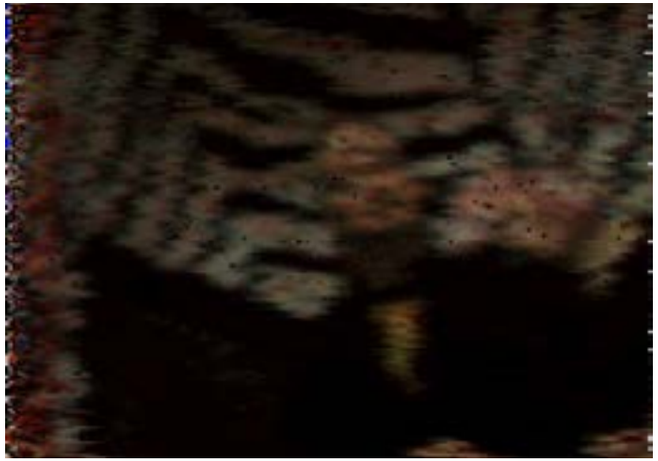


average pixel color

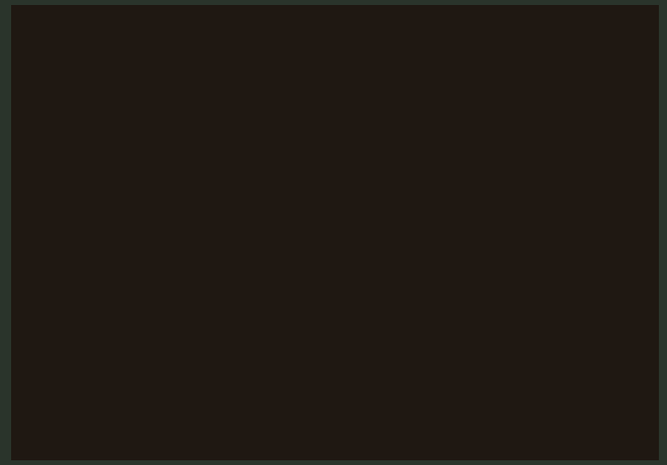
round 11



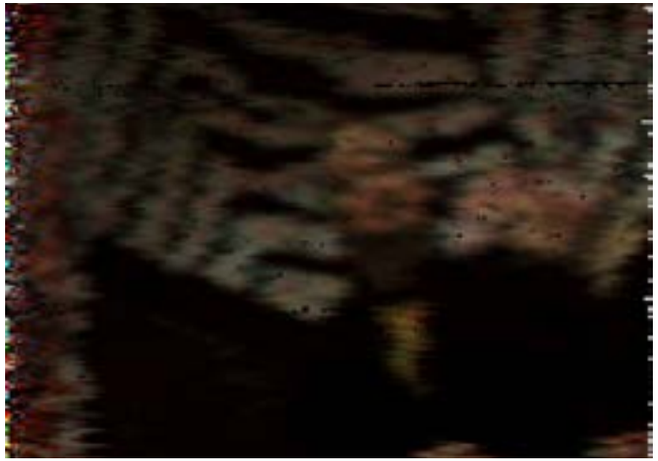
average pixel color



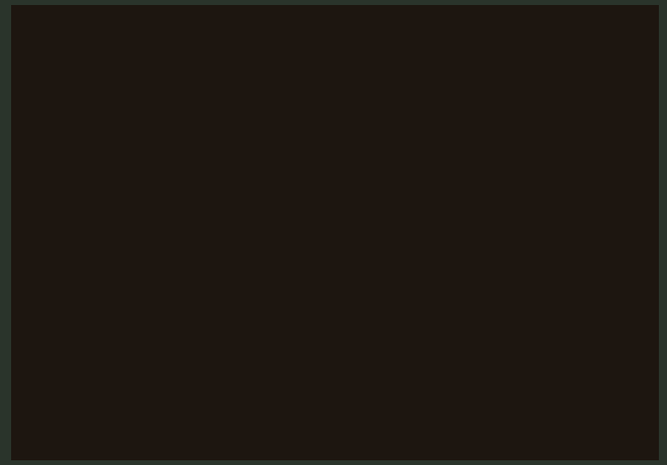
round 12



average pixel color

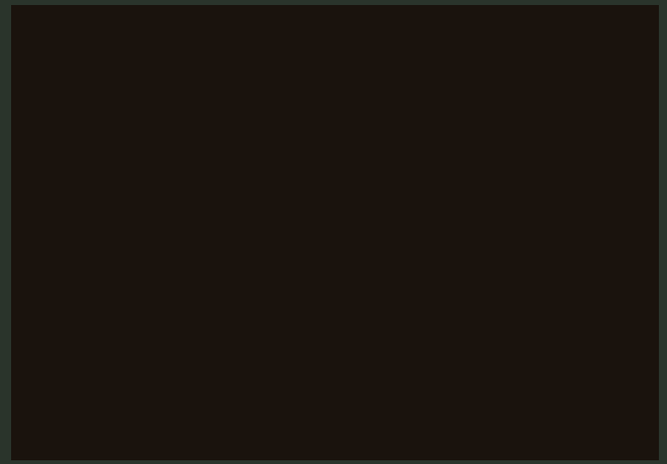


round 13



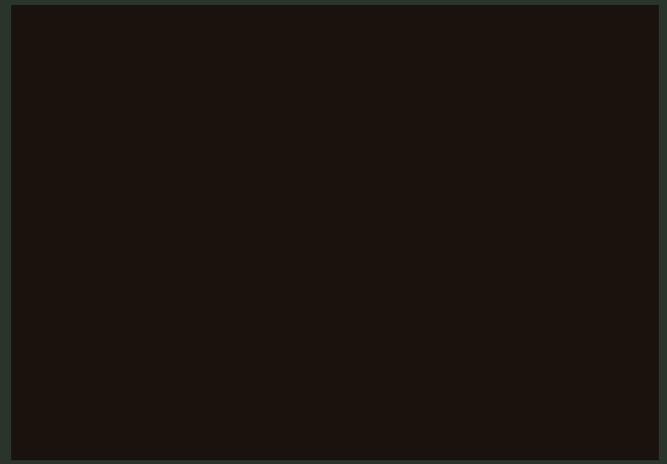
average pixel color

round 14



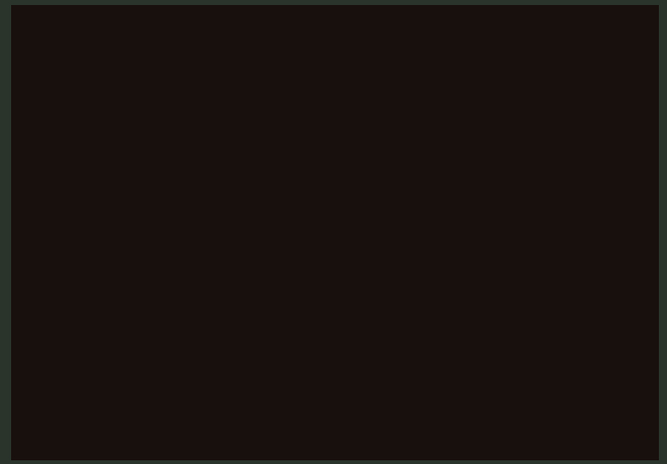
average pixel color

round 15



average pixel color

round 16



average pixel color

round 17

average pixel color

round 18

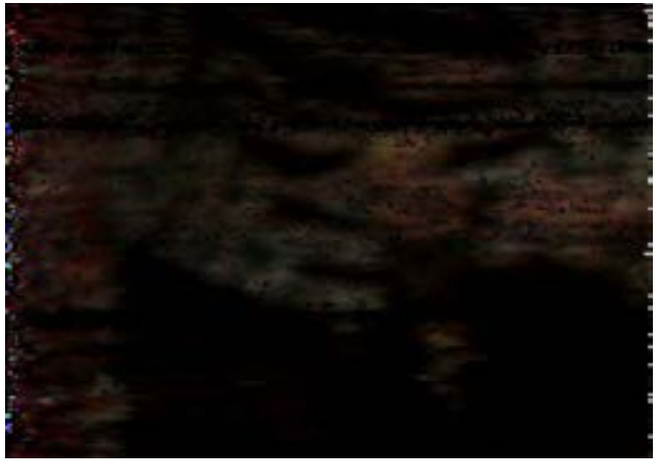
average pixel color

round 19

average pixel color

round 20

average pixel color



round 21

This project was built with Processing and Max/MSP under the guidance of Shawn Greenlee, PhD

This book was set in Nitti Grotesk from Bold Monday

It was printed on Xerox Elite Gloss paper and staple-bound.