

ddgk-002

Glitches and Typography; Exhibit Prep/Info

Agenda

Homework + Critique

Github Repo Update

Review

Intro into Grapher + Typer

 drawGrid, halftone, typeText

More Glitches

 pixelSort, channelShifting

Putting it together

Annoucements

Atmosphere Coworking Tour

Homework + Critique

- What you notice / stands out
- What you like about the piece
- Guess what the code was

Github Repo Update

<https://github.com/jromeem/ddgk-gltch>

update on offset function

update on pixelate function

update pixelSort, channelShift

Review

glitch_000_base

More Glitches: Pixel Sorting

```
glitch.pixelSort(A, B);
```

More Glitches: Pixel Sorting

```
glitch.pixelSort(A, B);
```

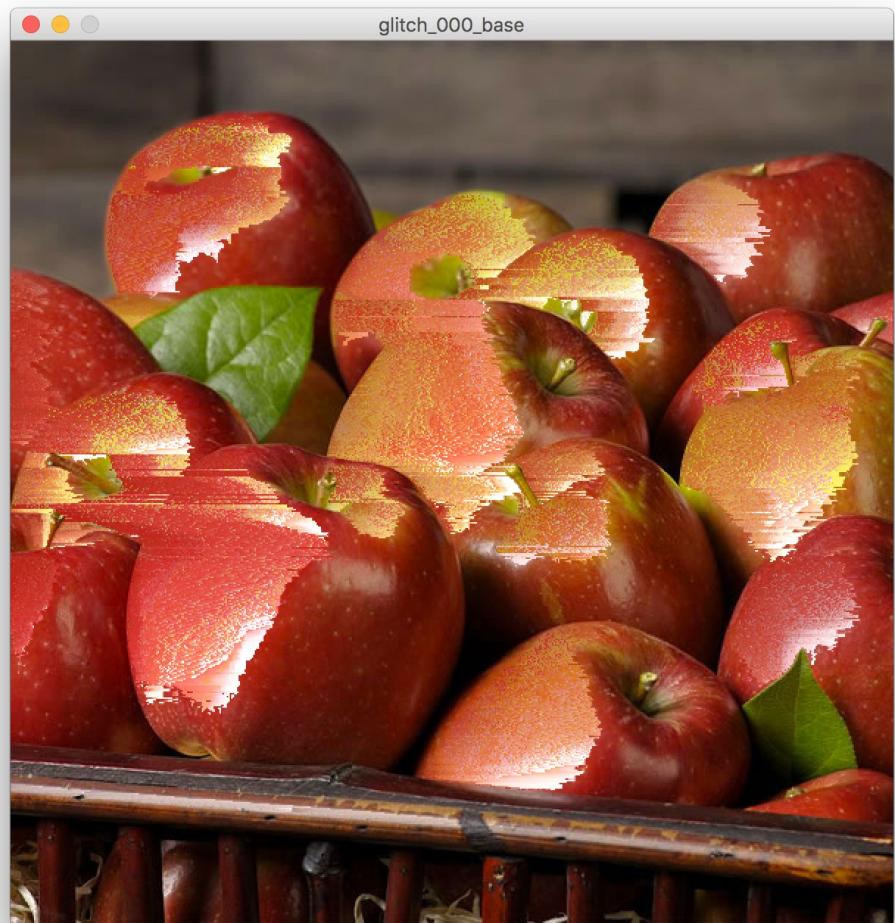
A - sorting mode (0, 1, 2)

B - amount to sort (0 - 1000)

More Glitches: Pixel Sorting

```
glitch.pixelSort(0, 300);
```

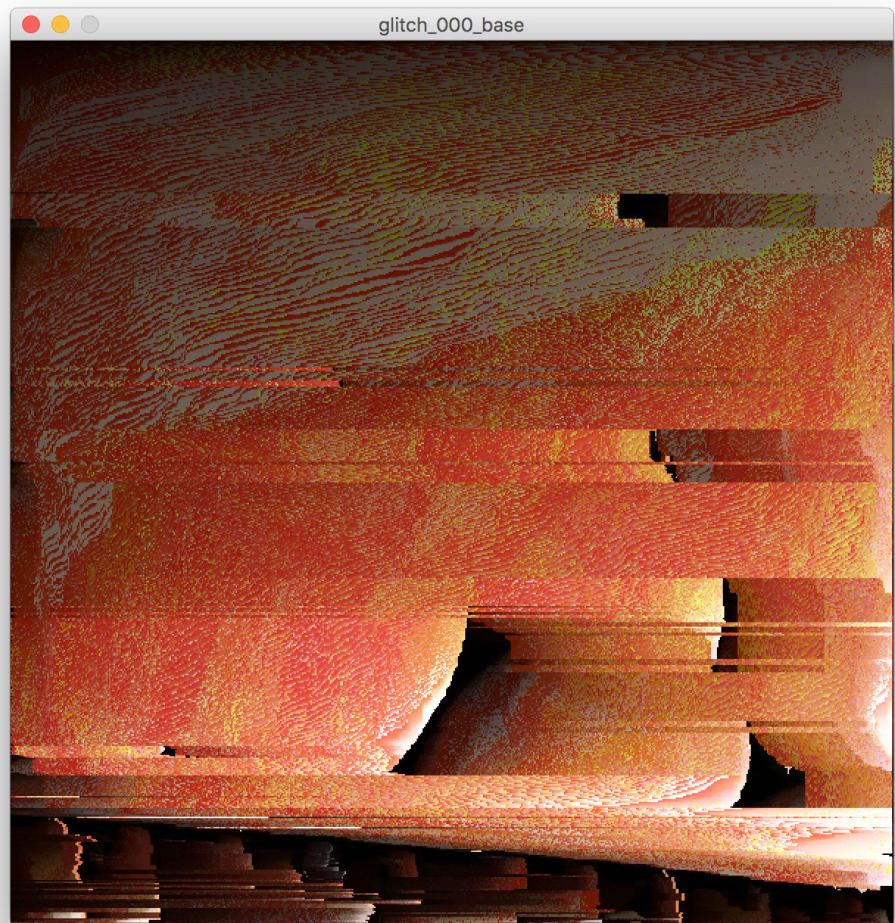
sort mode: black



More Glitches: Pixel Sorting

```
glitch.pixelSort(0, 1000);
```

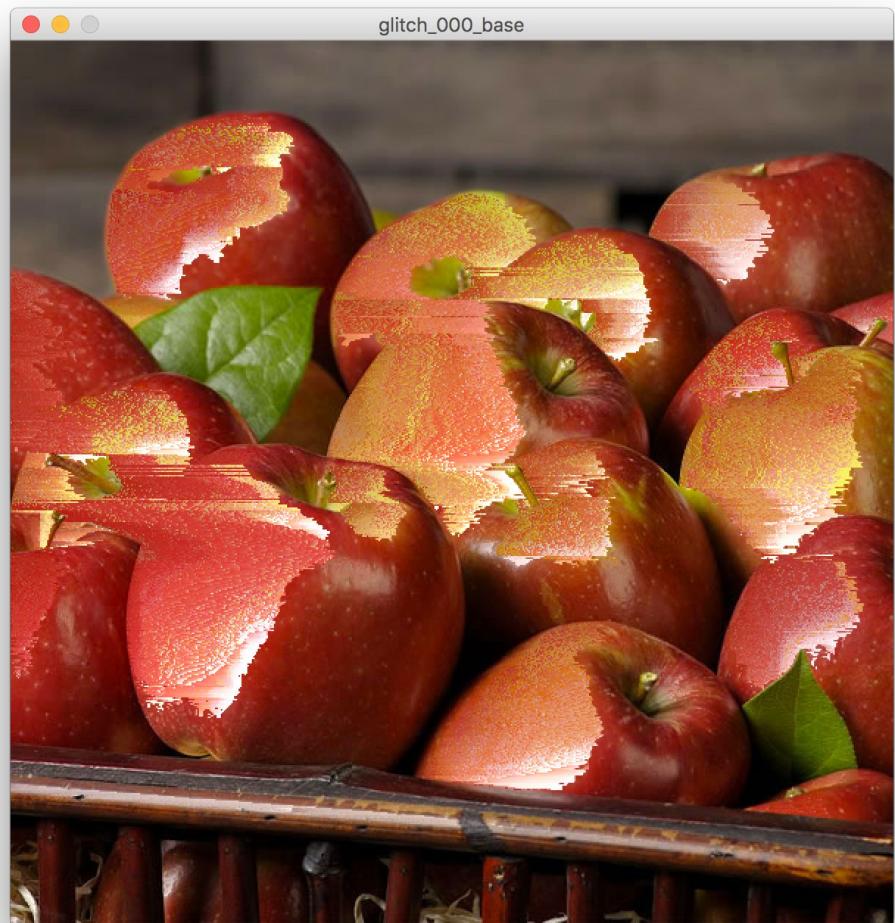
sort mode: black



More Glitches: Pixel Sorting

```
glitch.pixelSort(1, 300);
```

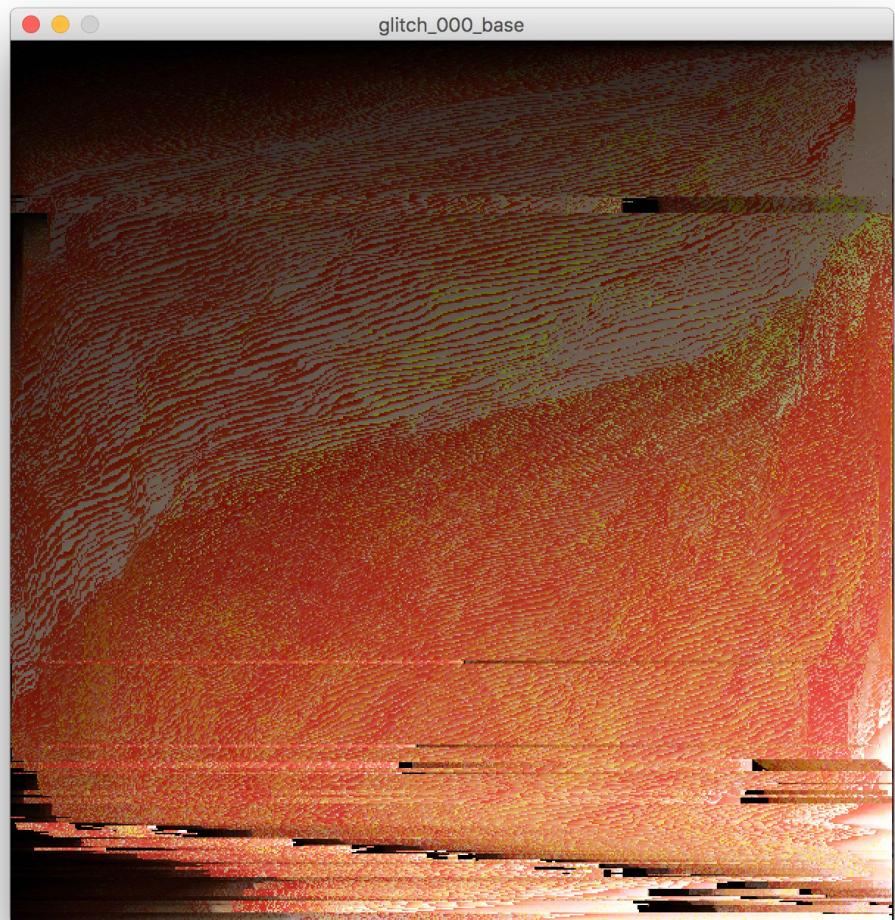
sort mode: brightness



More Glitches: Pixel Sorting

```
glitch.pixelSort(1, 1000);
```

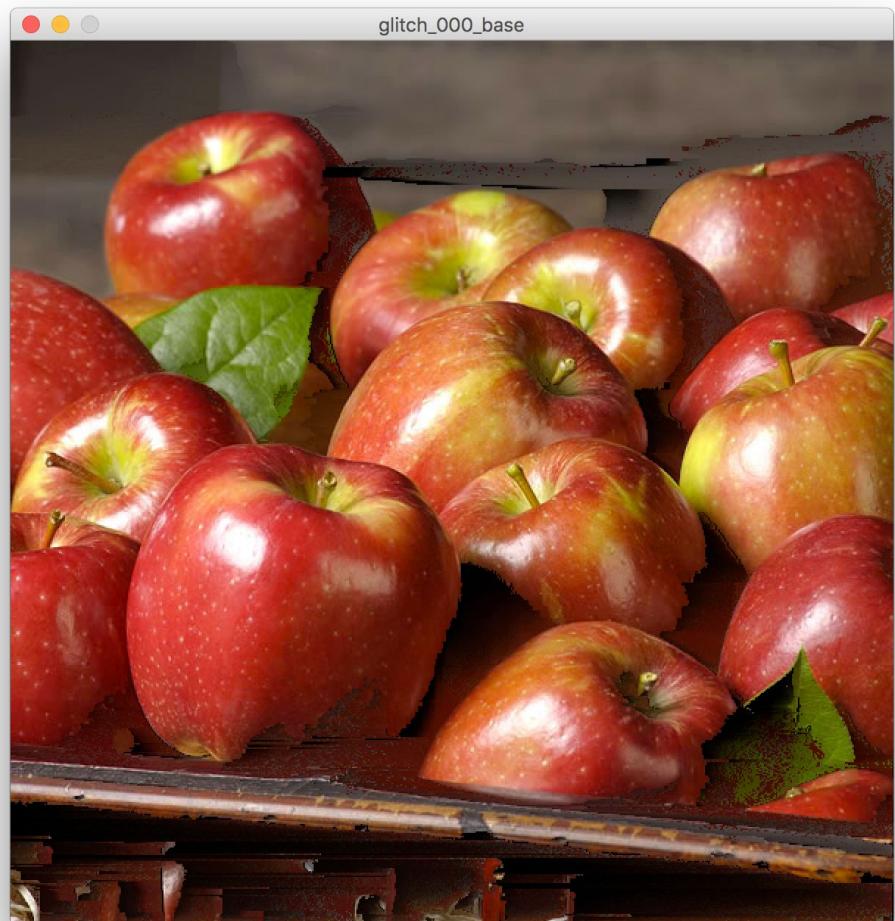
sort mode: brightness



More Glitches: Pixel Sorting

```
glitch.pixelSort(2, 300);
```

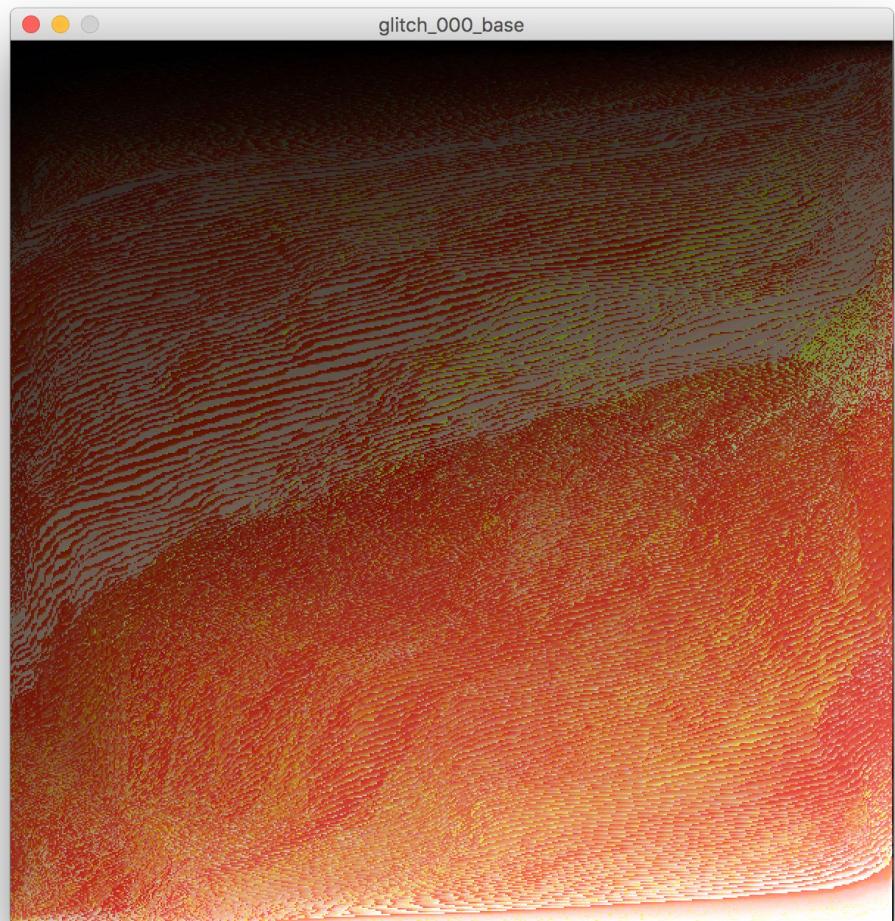
sort mode: white



More Glitches: Pixel Sorting

```
glitch.pixelSort(2, 1000);
```

sort mode: white



More Glitches: Pixel Sorting

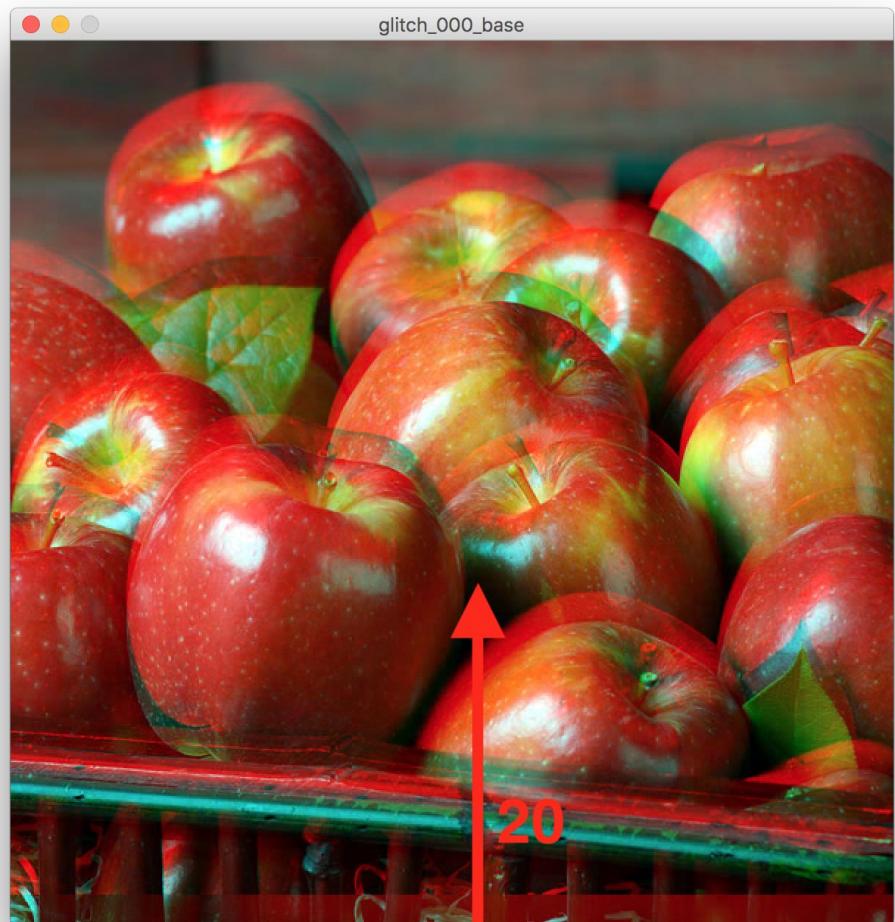
```
glitch.pixelSort(A, B);  
glitch.vpixelSort(A, B);  
glitch.hpixelSort(A, B);
```

More Glitches: Channel Shift

```
glitch.redChannelShift(A, B);
```

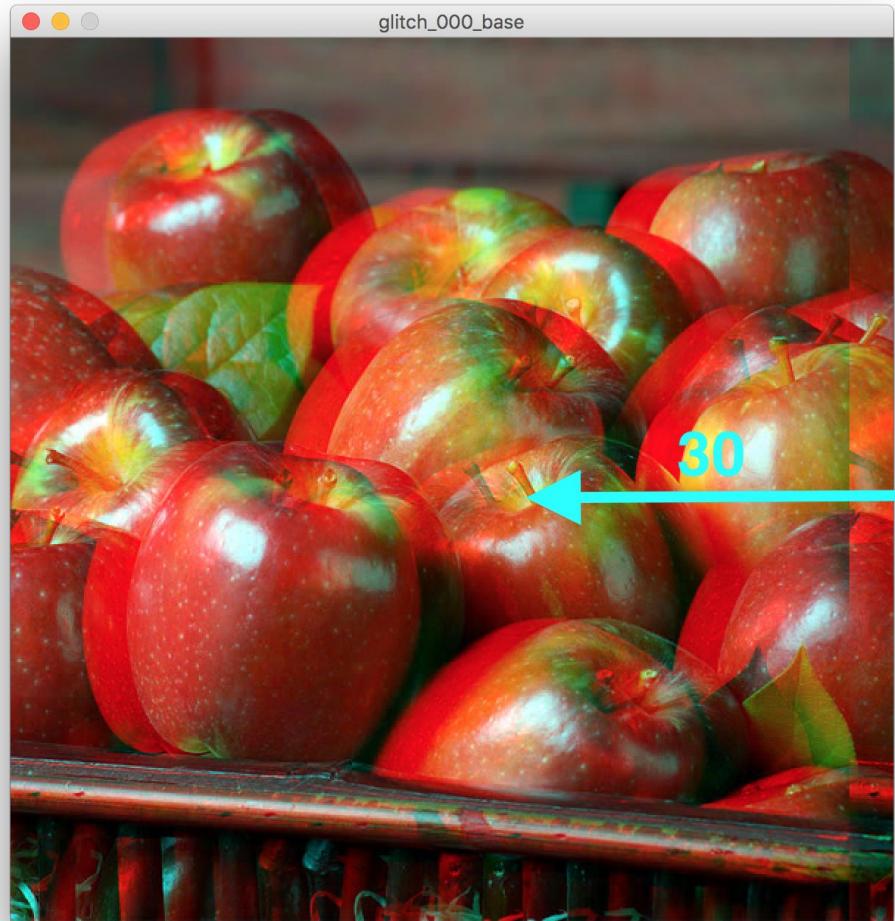
More Glitches: Channel Shift

```
glitch.redChannelShift(20, 0);
```



More Glitches: Channel Shift

```
glitch.redChannelShift(0, 30);
```



More Glitches: Channel Shift

```
glitch.redChannelShift(10, 4);
```



More Glitches: Channel Shift

```
glitch.redChannelShift(A, B);  
glitch.greenChannelShift(A, B);  
glitch.blueChannelShift(A, B);
```

More Glitches

glitch_006_pixelsort

glitch_011_channelShift_1

glitch_011_channelShift_2

Intro into Grapher

```
1 // dadageek: Generative Collage and Glitch Art with Processing
2 // Glitch & Media: Base
3
4 PImage img1;
5
6 Glitcher glitch;
7
8 void setup()
9 {
10
11   size(600, 600);
12
13   img1 = loadImage("data/apples.jpg");
14
15   glitch = new Glitcher(img1);
16
17   glitch.shiftSegment(100, 400, 50);
18
19   image(glitch, 0, 0);
20
21 }
22
23
24
```

```
1 // dadageek: Generative Collage and Glitch Art with Processing
2 // Glitch & Media: Base
3
4 PImage img1;
5
6 Grapher graph;
7
8 void setup()
9 {
10
11   size(600, 600);
12
13   img1 = loadImage("data/apples.jpg");
14
15   graph = new Grapher(img1);
16
17   graph.halftone(10, color(255, 255, 255));
18
19   image(graph, 0, 0);
20
21 }
```

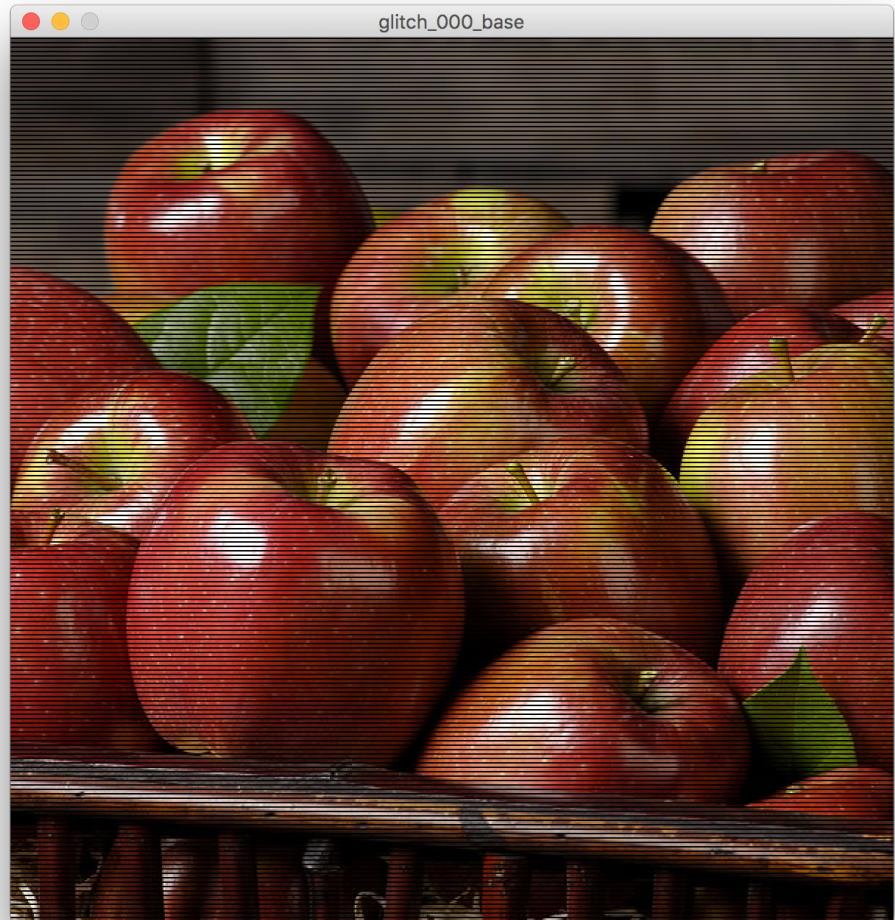
```
1 // dadageek: Generative Collage and Glitch Art with Processing
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15     graph = new Grapher(img1);
16
17     graph.halftone(10, color(255, 255, 255));
18
19     image(graph, 0, 0);
20
21 }
```

Intro into Grapher

```
graph.drawRows(A, B);  
graph.drawColumns(A, B);  
graph.halftone(A, B);
```

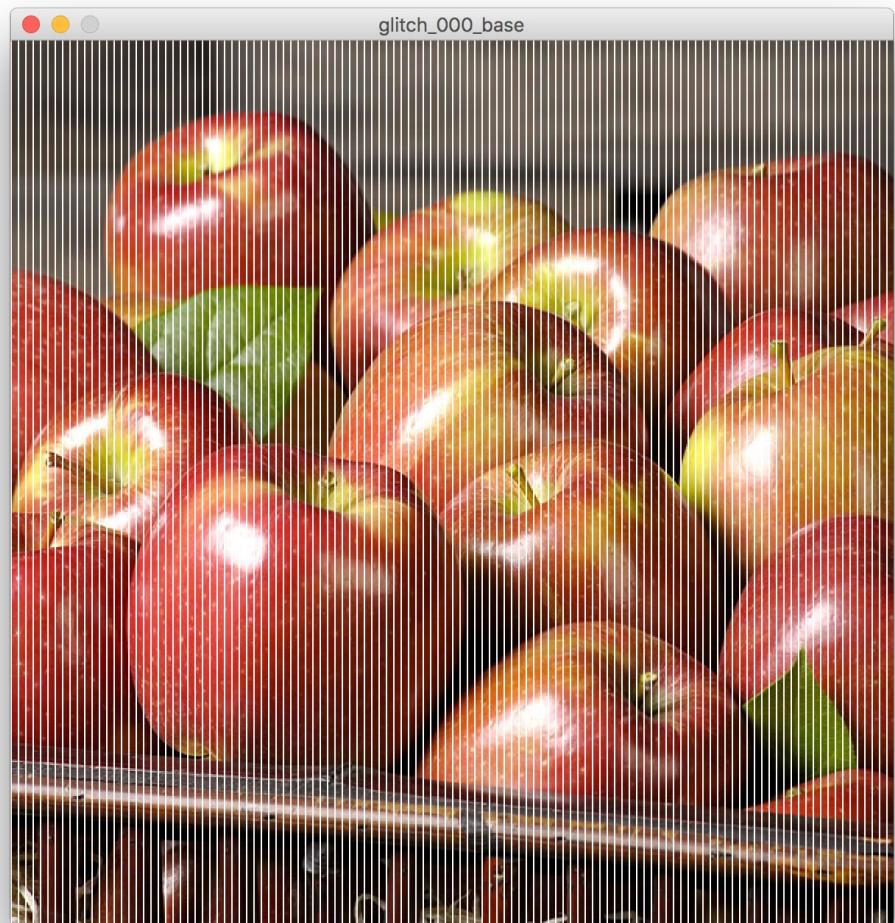
Intro into Grapher

```
graph.drawRows(3, color(0));
```



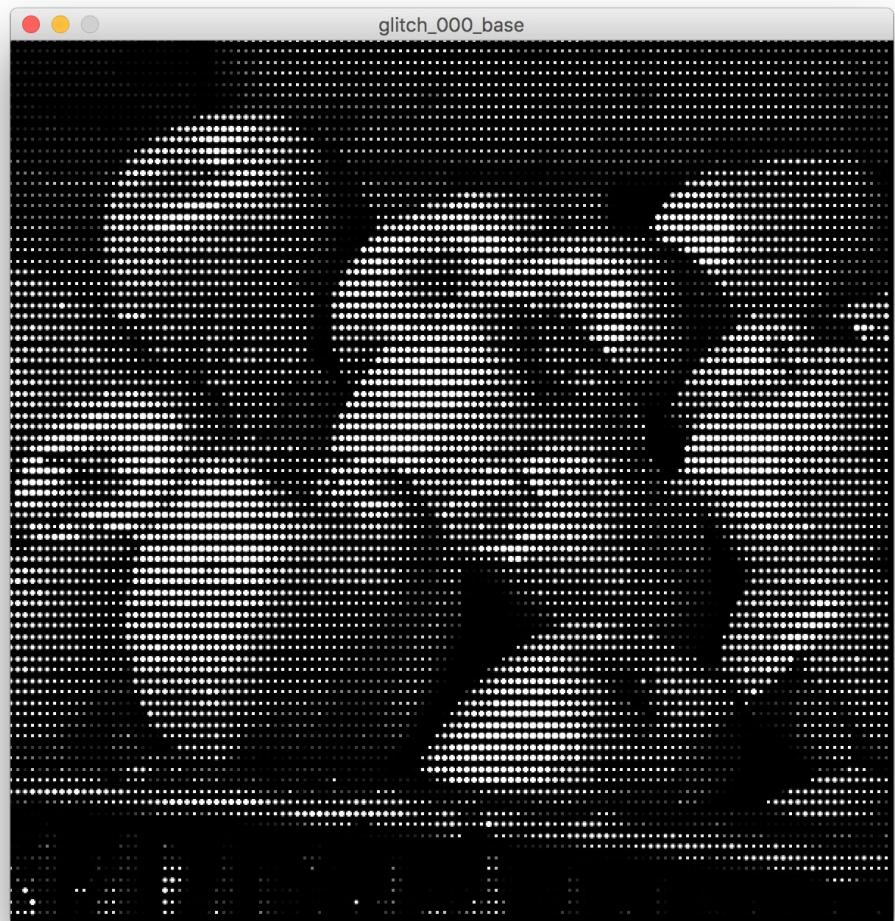
Intro into Grapher

```
graph.drawColumns(5, color(255));
```



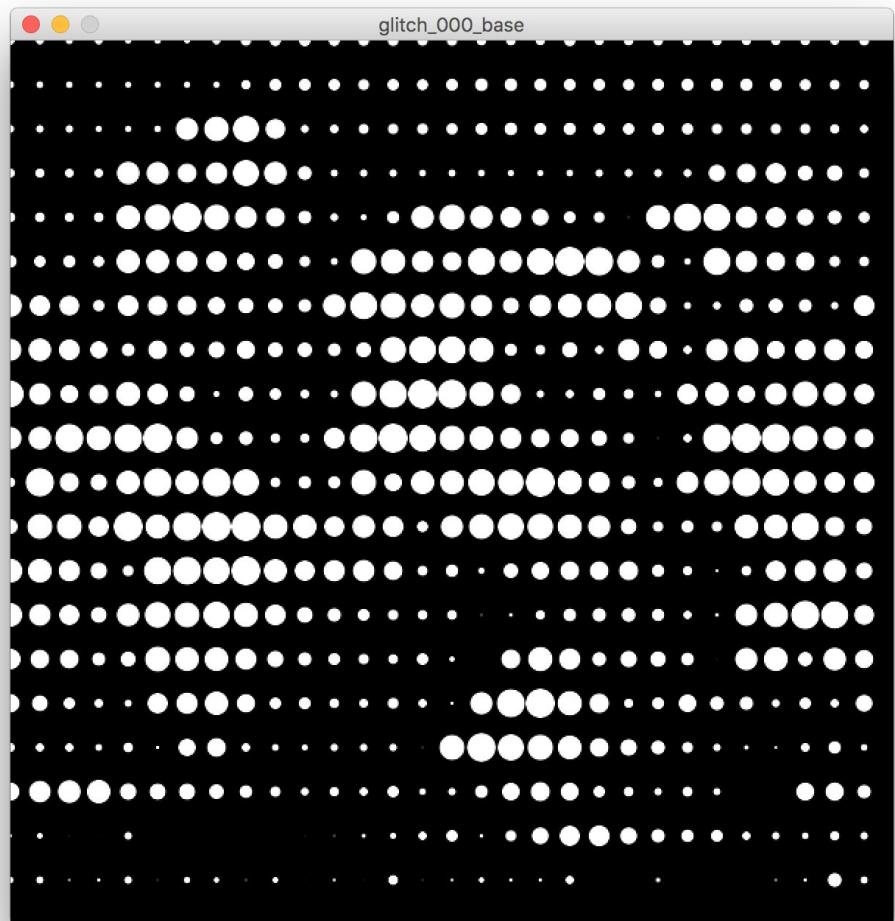
Intro into Grapher

```
graph.halftone(5, color(255));
```



Intro into Grapher

```
graph.halftone(20, color(255));
```



Intro into Grapher: Grid

glitch_005_grid

Intro into Grapher: Halftones

glitch_007_halftones

Intro into Typer

```
tt = new Typer(A, B);  
tt = new Typer("OpenSans-Semibold", 24);
```

Intro into Typer

```
tt.typeText(A, B, C);
```

Intro into Typer

```
tt.typeText(A, B, C);  
tt.typeText("my text", 100, 200);
```

Announcements

Last class (Printing Party, Location TBA)

Think about exhibit:

Content

Composition

Display/Presentation

Homework

Exhibit Presentation Homework:

- Send me your exhibit sketches via Slack direct message before **Sunday, February 25th!**
- Send also:
 - Description of Piece
 - Artist Statement
 - Details on Presentation (where, how, items needed, etc.)