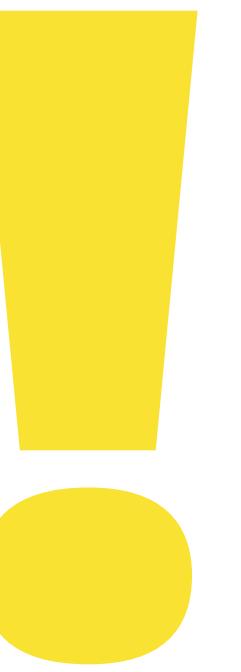


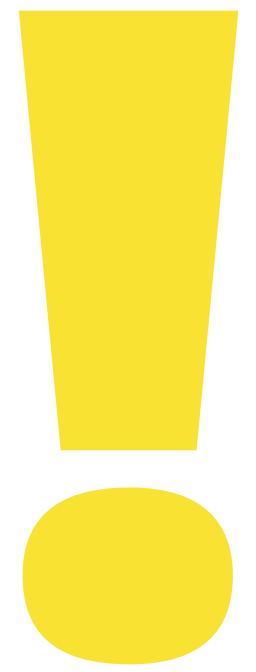
# Python

CooperType, Spring 2022

!



Github or Dropbox



#general, #show-tell, #tech-support

!





**1.**

**2.**

**3.**

**4.**

**5.**

**6.**

The screenshot shows a web browser window for the URL [www.drawbot.com/content/download.html](http://www.drawbot.com/content/download.html). The main content features a large, bold, dark gray title "DrawBot". Below the title is a navigation bar with links for "DrawBot 3.126", "Forum", "Download", and "Index". A search bar with a placeholder and a "search" button is also present. To the left, a sidebar lists various documentation topics: Shapes, Colors, Canvas, Text, Images, Variables, Quick Reference, DrawBot App, Download (which is highlighted with a red oval), DrawBot Icon, Courseware, History, Credits, Previous (with a link to "DrawBot Package"), and Next (with a link to "DrawBot Icon"). To the right, there are links for "Table of Contents", "Download", "Older Downloads", and "License". The "Download DrawBot" link is circled in red. Below the sidebar, there's a section titled "Older Downloads" with links for "Version History" and "Very Old Version History". The "License" section contains the text "The BSD license" and "Copyright (c) 2003-2019 Just van Rossum, Erik van Blokland, Frederik Berlaen". At the bottom, there's a note about redistribution and a copyright notice.

www.drawbot.com/content/download.html

# DrawBot

DrawBot 3.126 Forum Download Index

Shapes  
Colors  
Canvas  
Text  
Images  
Variables  
Quick Reference  
DrawBot App  
Download  
DrawBot Icon  
Courseware  
History  
Credits

Older Downloads

Version History  
Very Old Version History

License

The BSD license

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All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:



**Python is a high-level, general-purpose programming language that emphasizes readability with the use of significant indentation. Its object-oriented approach aims to help programmers write clear code for small- and large-scale projects.**



A screenshot of a terminal window titled "Untitled 5". The window has a dark background with light-colored text. At the top left, there are standard terminal navigation icons: a red circle, a yellow triangle, a green circle, a left arrow, a right arrow, and a double-left arrow. The title bar "Untitled 5" is at the top center. The main content area contains the following text:

```
1 import this

The Zen of Python, by Tim Peters

Beautiful is better than ugly.
Explicit is better than implicit.
Simple is better than complex.
Complex is better than complicated.
Flat is better than nested.
Sparse is better than dense.
Readability counts.
Special cases aren't special enough to break the rules.
Although practicality beats purity.
Errors should never pass silently.
Unless explicitly silenced.
In the face of ambiguity, refuse the temptation to guess.
There should be one-- and preferably only one --obvious way to do it.
Although that way may not be obvious at first unless you're Dutch.
Now is better than never.
Although never is often better than *right* now.
If the implementation is hard to explain, it's a bad idea.
If the implementation is easy to explain, it may be a good idea.
Namespaces are one honking great idea -- let's do more of those!
```

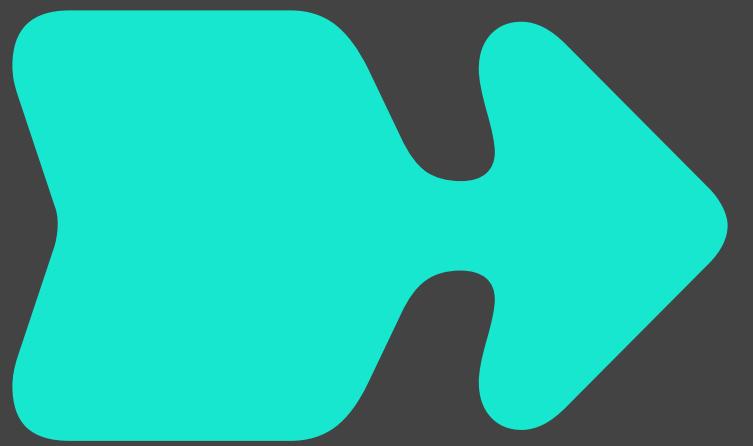
**DrawBot is a powerful,  
free application for  
MacOS that invites you  
to write simple Python  
scripts to generate two-  
dimensional graphics.**



Just van Rossum

Frederik Berlaen

# Processing p5.js



&

**Big**

**tools**

# Adobe InDesign CC 2020

Adobe InDesign 2020

\*miramonte-djr-indd.indd @ 54% [GPU Preview]

72 0 72 144 216 288 360 432 504 576 648 720 792 864 936 1008 1080 1152 1224 1296

POMFRET Specimens djr.com | 2

# BARRANCA STOPBACK PAPERLIKE SUFFICING MOONTIDE BILSKIRNIR

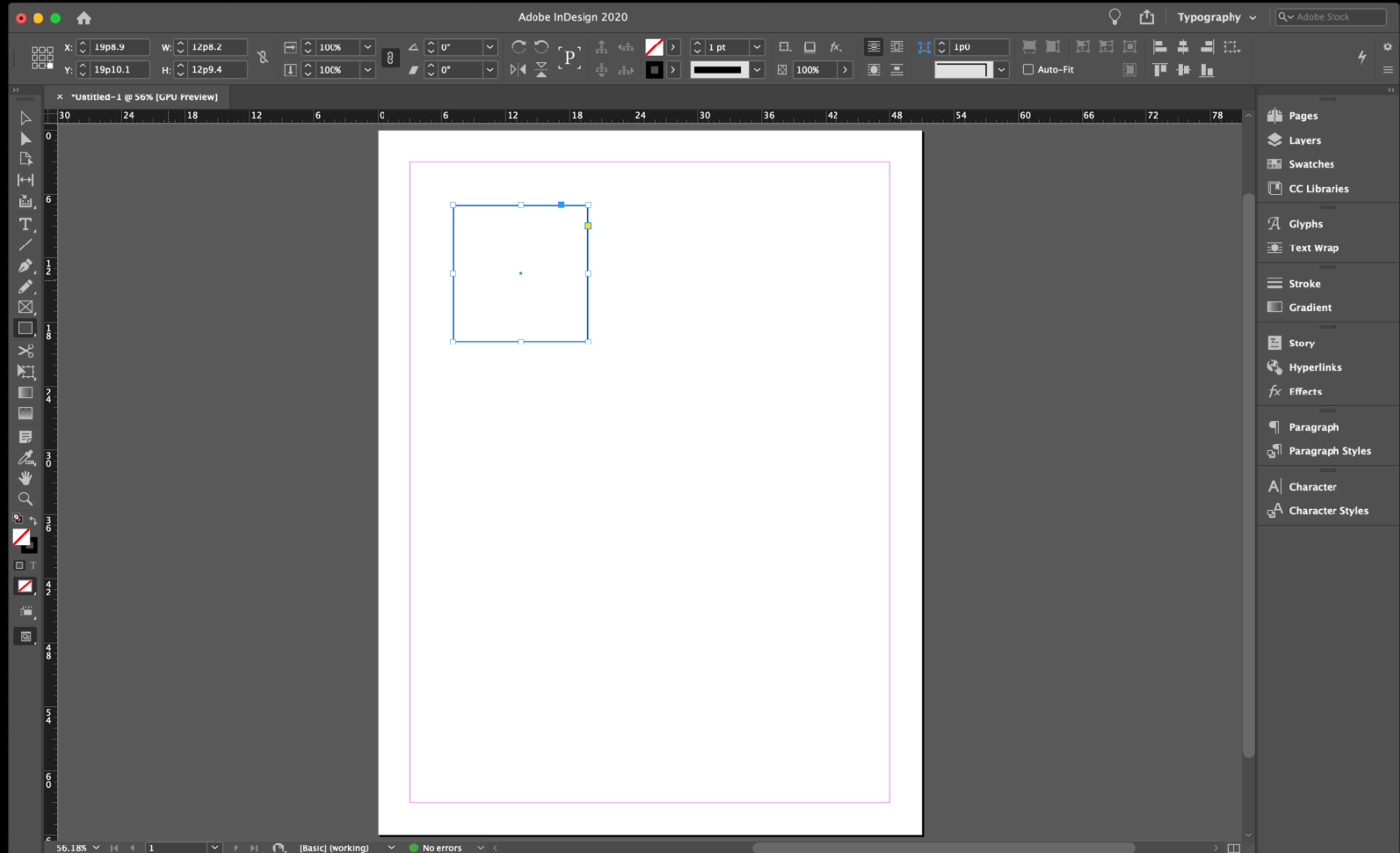
POMFRET Specimens djr.com | 3

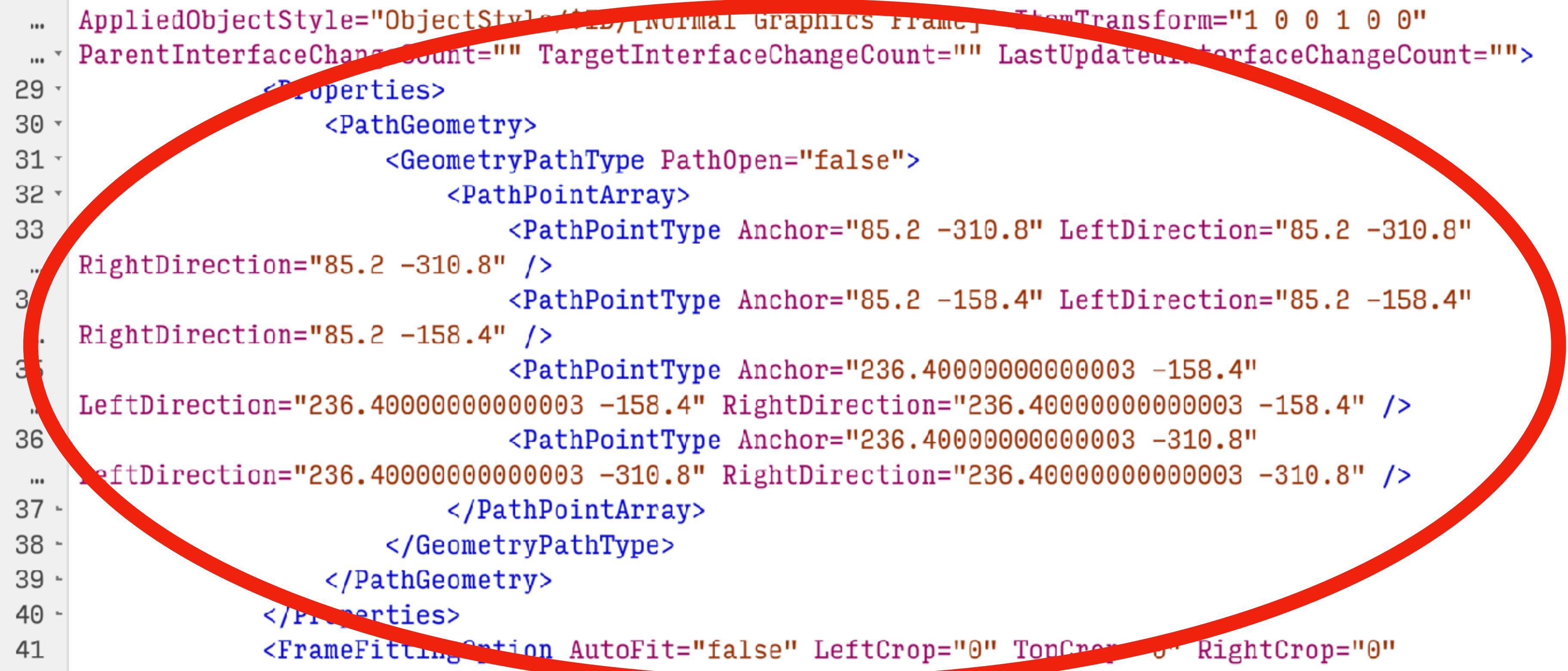
## Pomfret

Pomfret is a set of titling capitals with Arts & Crafts flair started in 2018 and released in 2020. After years of encouragement from Roger Black, I began the design as an homage to the work of Bertram Goodhue, famous as the architect of the Nebraska State Capitol as well as the typeface Cheltenham. The skeletons of the letters were initially inspired by the tightly-spaced capitals (especially the restrained R and K) found on his cover for The Knight Errant. Pomfret moves beyond its source material, adopting a more contemporary finish with discretionary ligatures, razor-thin hairlines, and restrained, bracketed serifs.

Pages Layers Swatches CC Libraries Glyphs Text Wrap Stroke Gradient Story Hyperlinks Effects Paragraph Paragraph Styles Character Styles

# interfaces





Spread\_uce.xml — Disk Browser 1 (idml-test.idml)

```
L: 1 C: 1 XML Unicode (UTF-8) Unix (LF) Saved: 10/13/20, 1:13:51 PM 4,951 / 416 / 57 100% #
```

28... VerticalLayoutConstraints="FlexibleDimension FixedDimension FlexibleDimension"  
... GradientFillStart="0 0" GradientFillLength="0" GradientFillAngle="0" GradientStrokeStart="0 0"  
... GradientStrokeLength="0" GradientStrokeAngle="0" ItemLayer="ucb" Locked="false"  
... LocalDisplaySetting="Default" GradientFillHiliteLength="0" GradientFillHiliteAngle="0"  
... GradientStrokeHiliteLength="0" GradientStrokeHiliteAngle="0"  
... AppliedObjectStyle="ObjectStyle[25, [Normal Graphics Frame], ItemTransform="1 0 0 1 0 0"]"  
... ParentInterfaceChangeCount="" TargetInterfaceChangeCount="" LastUpdateInterfaceChangeCount="">  
29 <Properties>  
30 <PathGeometry>  
31 <GeometryPathType PathOpen="false">  
32 <PathPointArray>  
33 <PathPointType Anchor="85.2 -310.8" LeftDirection="85.2 -310.8"  
... RightDirection="85.2 -310.8" />  
... <PathPointType Anchor="85.2 -158.4" LeftDirection="85.2 -158.4"  
... RightDirection="85.2 -158.4" />  
... <PathPointType Anchor="236.4000000000003 -158.4"  
... LeftDirection="236.4000000000003 -158.4" RightDirection="236.4000000000003 -158.4" />  
... <PathPointType Anchor="236.4000000000003 -310.8"  
... LeftDirection="236.4000000000003 -310.8" RightDirection="236.4000000000003 -310.8" />  
37 </PathPointArray>  
38 </GeometryPathType>  
39 </PathGeometry>  
40 </Properties>  
41 <FrameFittingOption AutoFit="false" LeftCrop="0" TopCrop="0" RightCrop="0"  
... BottomCrop="0" FittingOnEmptyFrame="None" FittingAlignment="CenterAnchor" />  
42 <ObjectExportOption AltTextSourceType="SourceXMLStructure"  
... ActualTextSourceType="SourceXMLStructure" CustomAltText="\$ID/" CustomActualText="\$ID/"  
... ApplyTagType="TagFromStructure" ImageConversionType="JPEG" ImageExportResolution="Ppi300"  
... GIFOptionsPalette="AdaptivePalette" GIFOptionsInterlaced="true" JPEGOptionsQuality="High"  
... JPEGOptionsFormat="BaselineEncoding" ImageAlignment="AlignLeft" ImageSpaceBefore="0"

```
euler1.arnoldc *
```

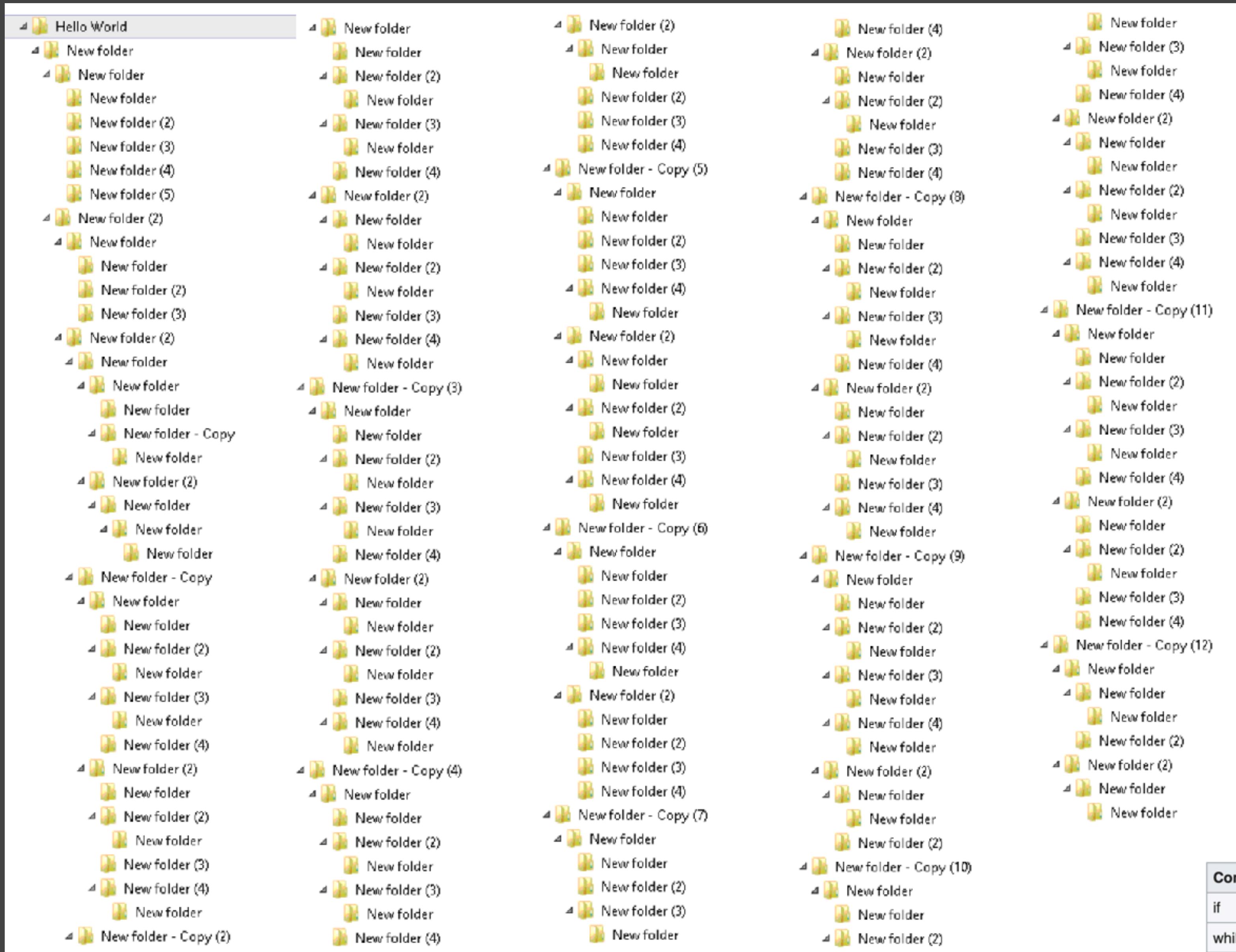
```
40    ENOUGH TALK
41    BULLSHIT
42    GET YOUR ASS TO MARS modulo5
43        DO IT NOW modulo n 5
44    GET TO THE CHOPPER divisibleBy5
45        HERE IS MY INVITATION modulo5
46        YOU ARE NOT YOU YOU ARE ME 0
47    ENOUGH TALK
48    BECAUSE I'M GOING TO SAY PLEASE divisibleBy5
49        GET TO THE CHOPPER sum
50            HERE IS MY INVITATION sum
51            GET UP n
52    ENOUGH TALK
53        YOU HAVE NO RESPECT FOR LOGIC
54        YOU HAVE NO RESPECT FOR LOGIC
55    CHILL
56    TALK TO THE HAND "sum:"
57    TALK TO THE HAND sum
58    YOU HAVE BEEN TERMINATED
59
60    LISTEN TO ME VERY CAREFULLY modulo
61    I NEED YOUR CLOTHES YOUR BOOTS AND YOUR MOTORCYCLE dividend
62    I NEED YOUR CLOTHES YOUR BOOTS AND YOUR MOTORCYCLE divisor
63    GIVE THESE PEOPLE AIR
64        HEY CHRISTMAS TREE quotient
65        YOU SET US UP 0
66        HEY CHRISTMAS TREE remainder
67        YOU SET US UP 0
68        HEY CHRISTMAS TREE product
69        YOU SET US UP 0
70    GET TO THE CHOPPER quotient
71        HERE IS MY INVITATION dividend
72        HE HAD TO SPLIT divisor
73    ENOUGH TALK
74    GET TO THE CHOPPER product
75        HERE IS MY INVITATION divisor
76        YOU'RE FIRED quotient
77    ENOUGH TALK
78    GET TO THE CHOPPER remainder
79        HERE IS MY INVITATION dividend
80        GET DOWN product
81    ENOUGH TALK
82    I'LL BE BACK remainder
83    HASTA LA VISTA, BABY
84
```

HAI 1.2  
CAN HAS STDIO?  
PLZ OPEN FILE "LOLCATS.TXT"?  
AWSUM THX  
VISIBLE FILE  
O NOES  
INVISIBLE "ERROR!"

KTHXBYE

HAI 1.0  
CAN HAS STDIO?  
I HAS A VAR  
IM IN YR LOOP  
UP VAR!!1  
VISIBLE VAR  
IZ VAR BIGGER THAN 10? KTHX

IM OUTTA YR LOOP  
KTHXBYE



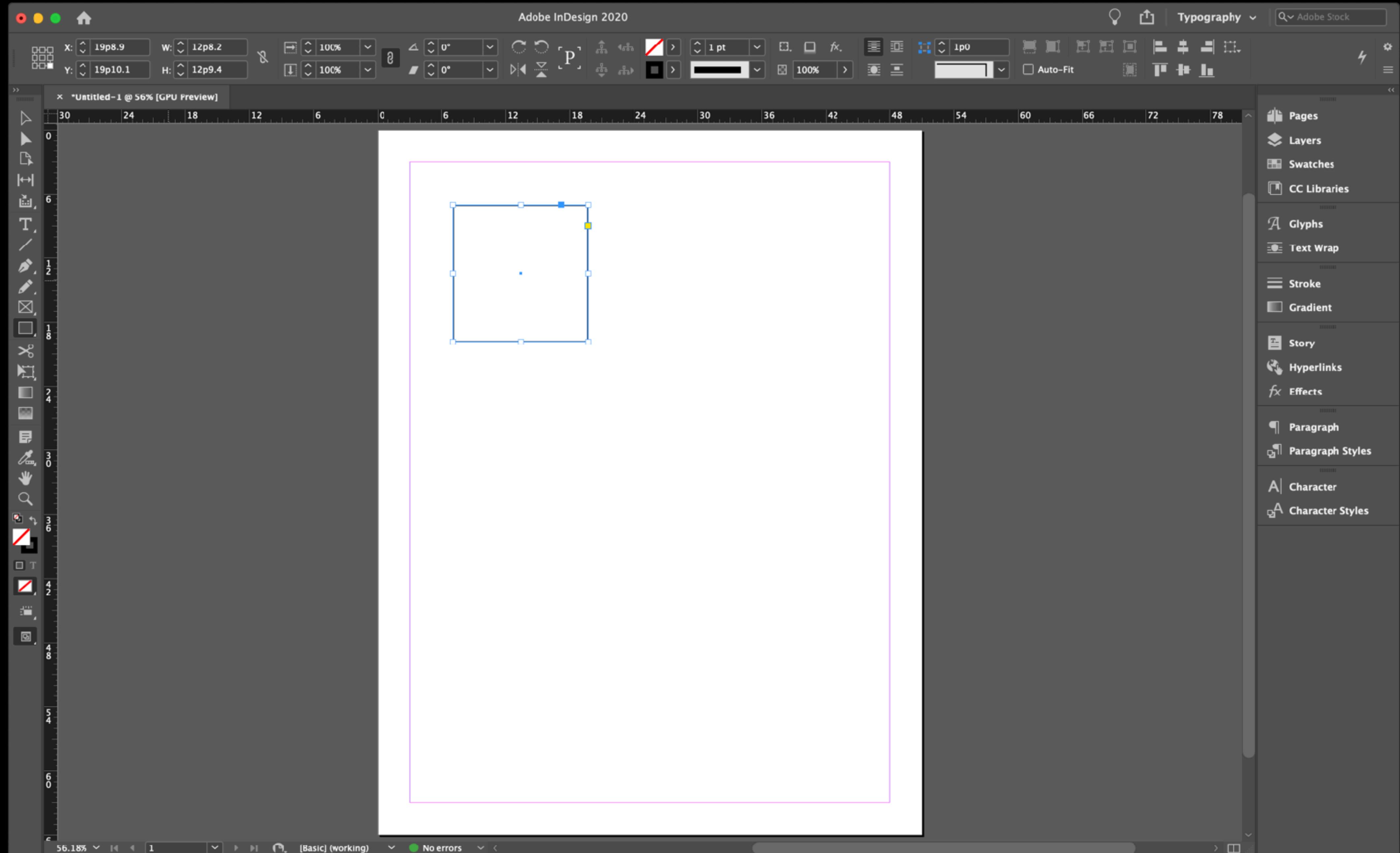
*Folders* programming language, Daniel Temkin

Command	# of Folders	Details
if	0 folders	Second sub-folder holds expression, third holds list of commands
while	1 folder	Second sub-folder holds expression, third holds list of commands
declare	2 folders	Second sub-folder holds type, third holds var name (in number of folders)
let	3 folders	Second holds var name (in number of folders), third holds expression
print	4 folders	Second sub-folder holds expression
input	5 folders	Second sub-folder holds var name

CON



*Connections*, James Burke, BBC, 1978



```
010101000101011  
101010101011100  
010101000101011  
101010101011100  
010101000101011  
101010101011100  
010101000101011  
101010101011100
```



```
PathOpen="false">  
    <PathPointArray>  
        <PathPointType  
            Anchor="85.2 -310.8"  
            LeftDirection="85.2  
            -310.8"  
            RightDirection="85.2  
            -310.8" />  
        <PathPointType  
            Anchor="85.2 -158.4"  
            LeftDirection="85.2  
            -158.4"  
            RightDirection="85.2  
            -158.4" />  
        <PathPointType  
            Anchor="236.40000000000003  
            000003 -158.4"  
            LeftDirection="236.4  
            000000000003  
            -158.4"  
            RightDirection="236.  
            40000000000003  
            -158.4" />  
        <PathPointType  
            Anchor="236.40000000000003  
            000003 -310.8"  
            LeftDirection="236.4  
            000000000003  
            -310.8"  
            RightDirection="236.  
            40000000000003  
            -310.8" />  
    </PathPointArray>
```



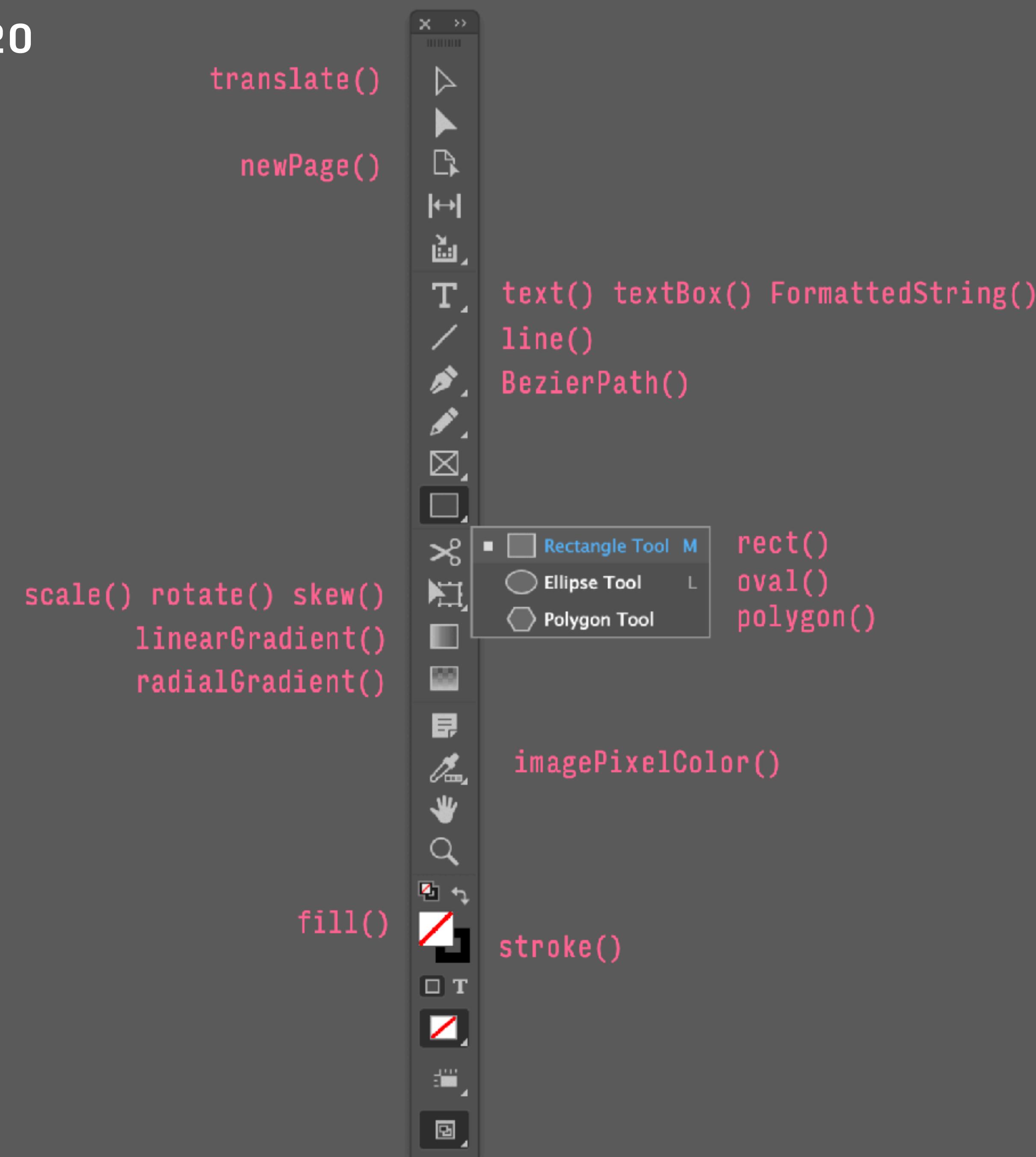
```
rect( 85,  
      236,  
      200,  
      100)
```



# our class



# Adobe InDesign CC 2020



Adidas N3XT L3V3L

Grand Army

Andy Clymer



Gradient Typesetter

Gradient Typesetter 1.1

Left Side Right Side

Weight: 225      Weight: 1,000  
Width: 20      Width: 600

Skew      Size: 100      Leading: 80

Weight/Width Curve

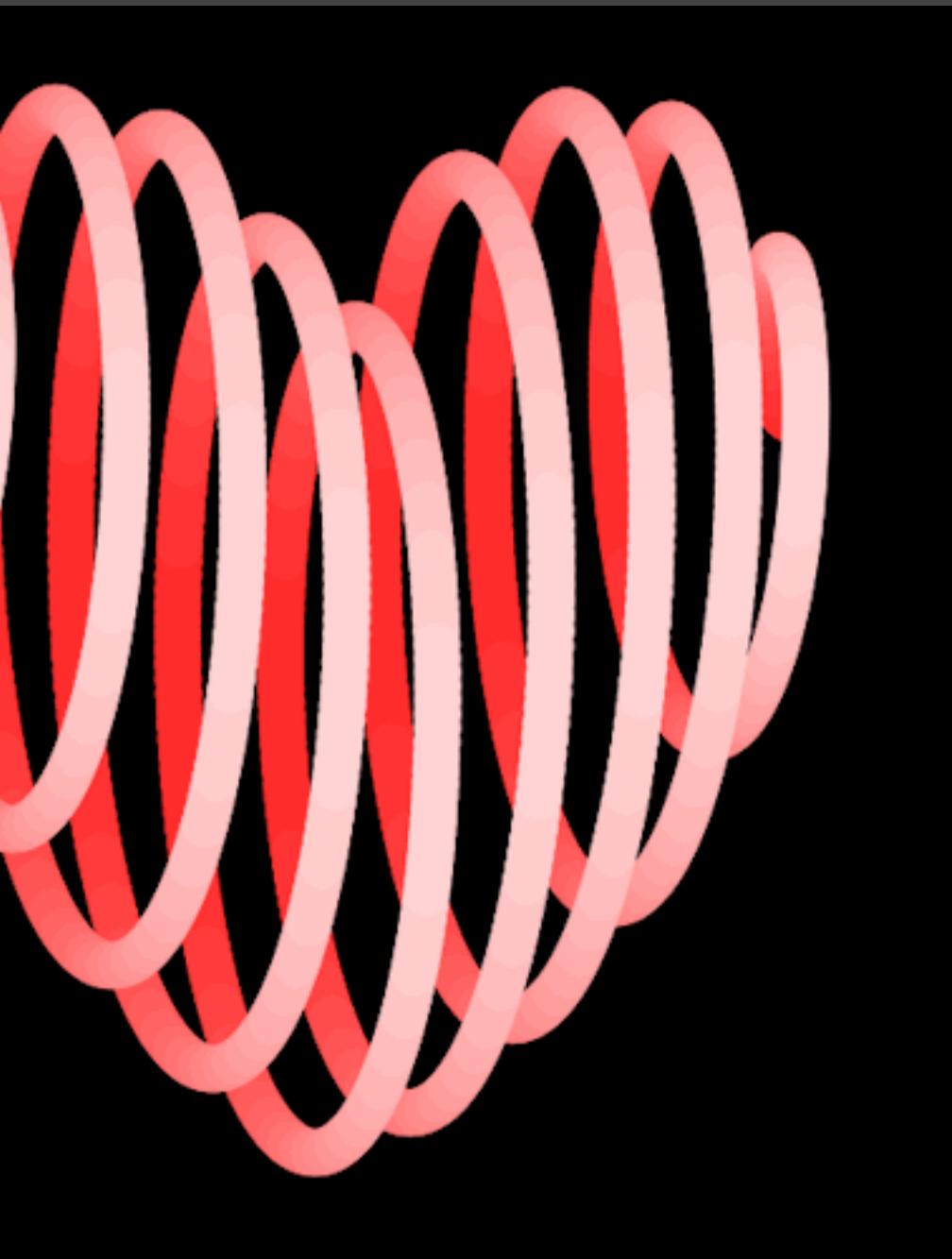
?

Save Image

grandarmy.com/projects/n3xt-l3v3l

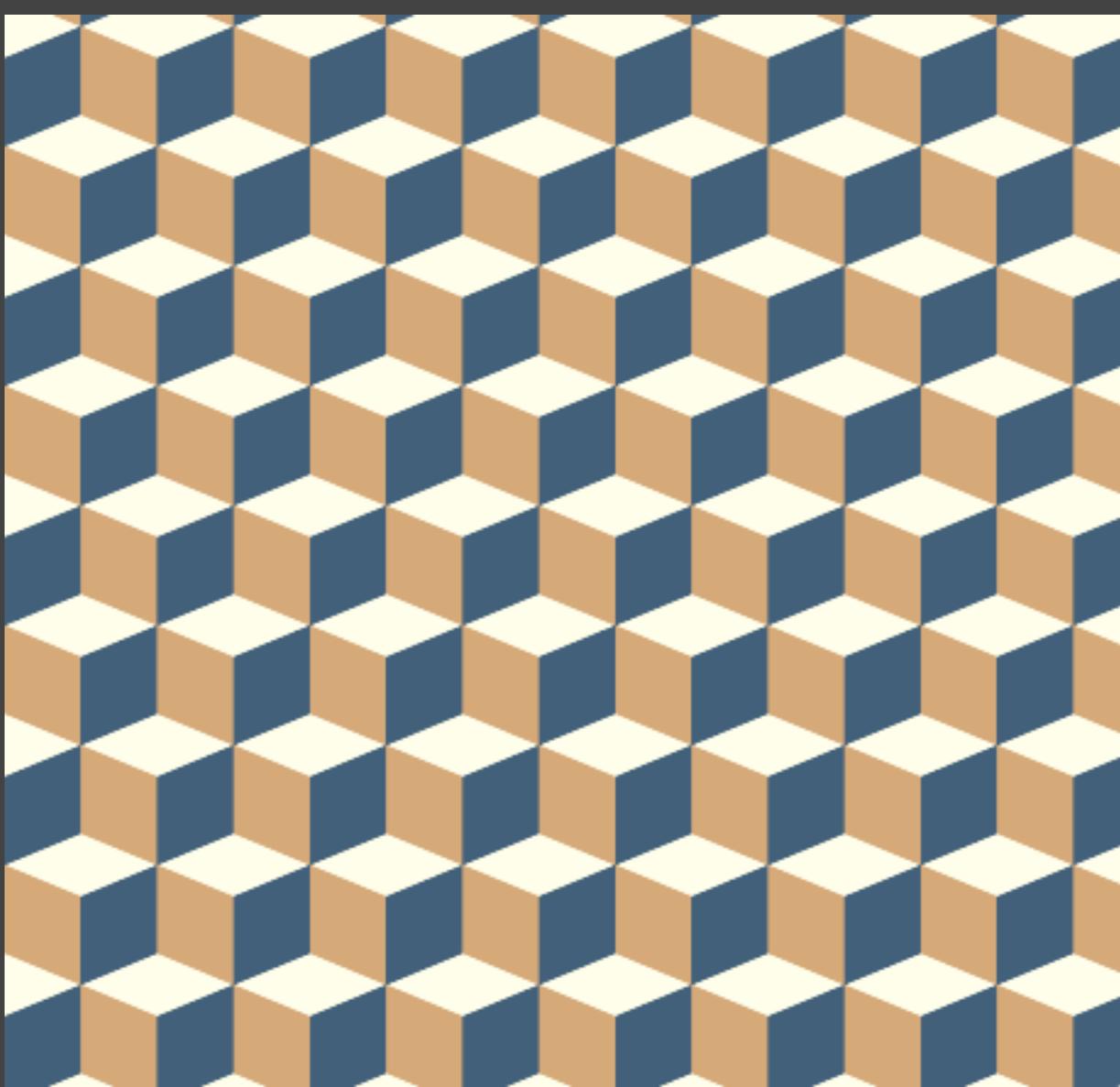
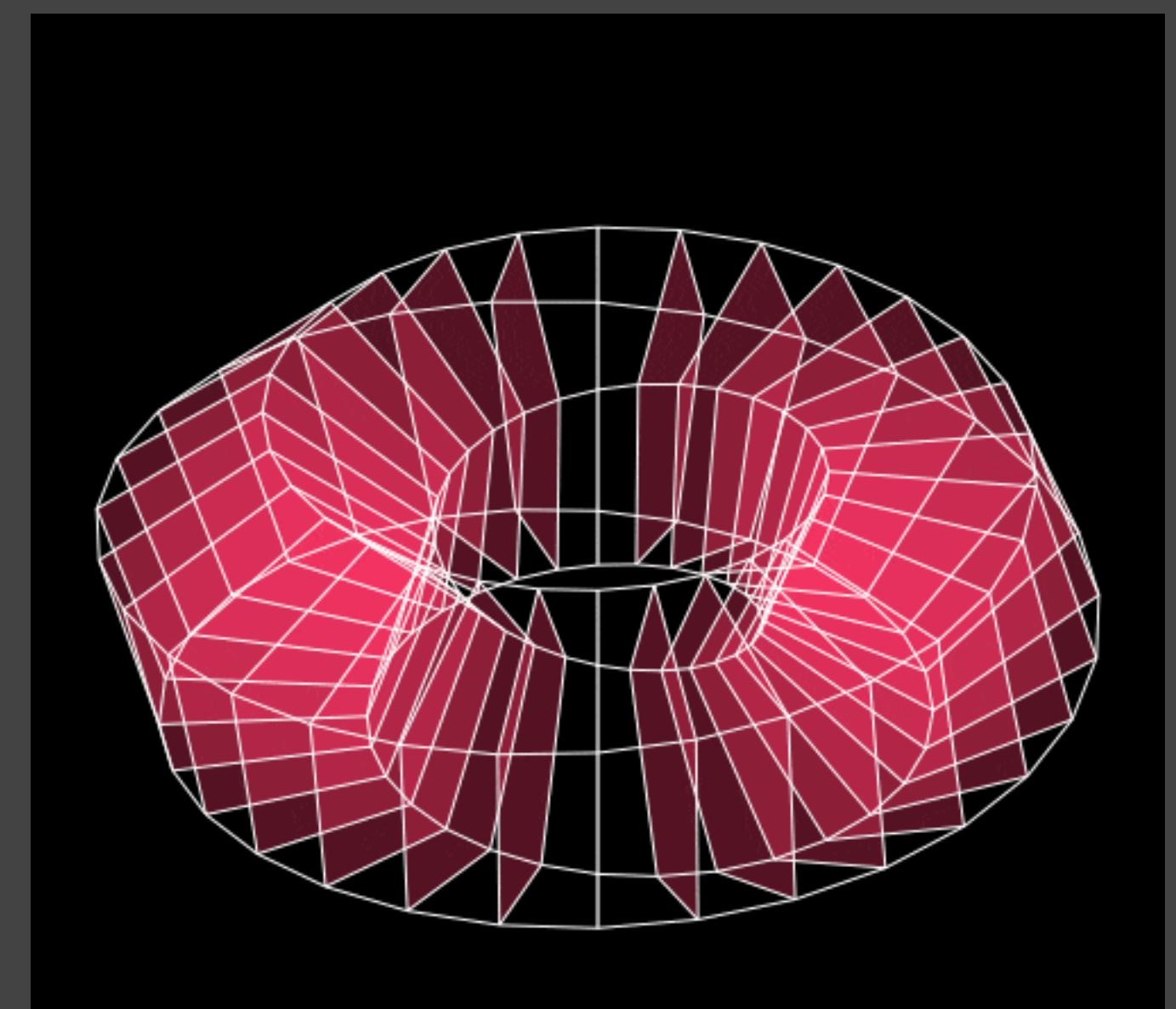
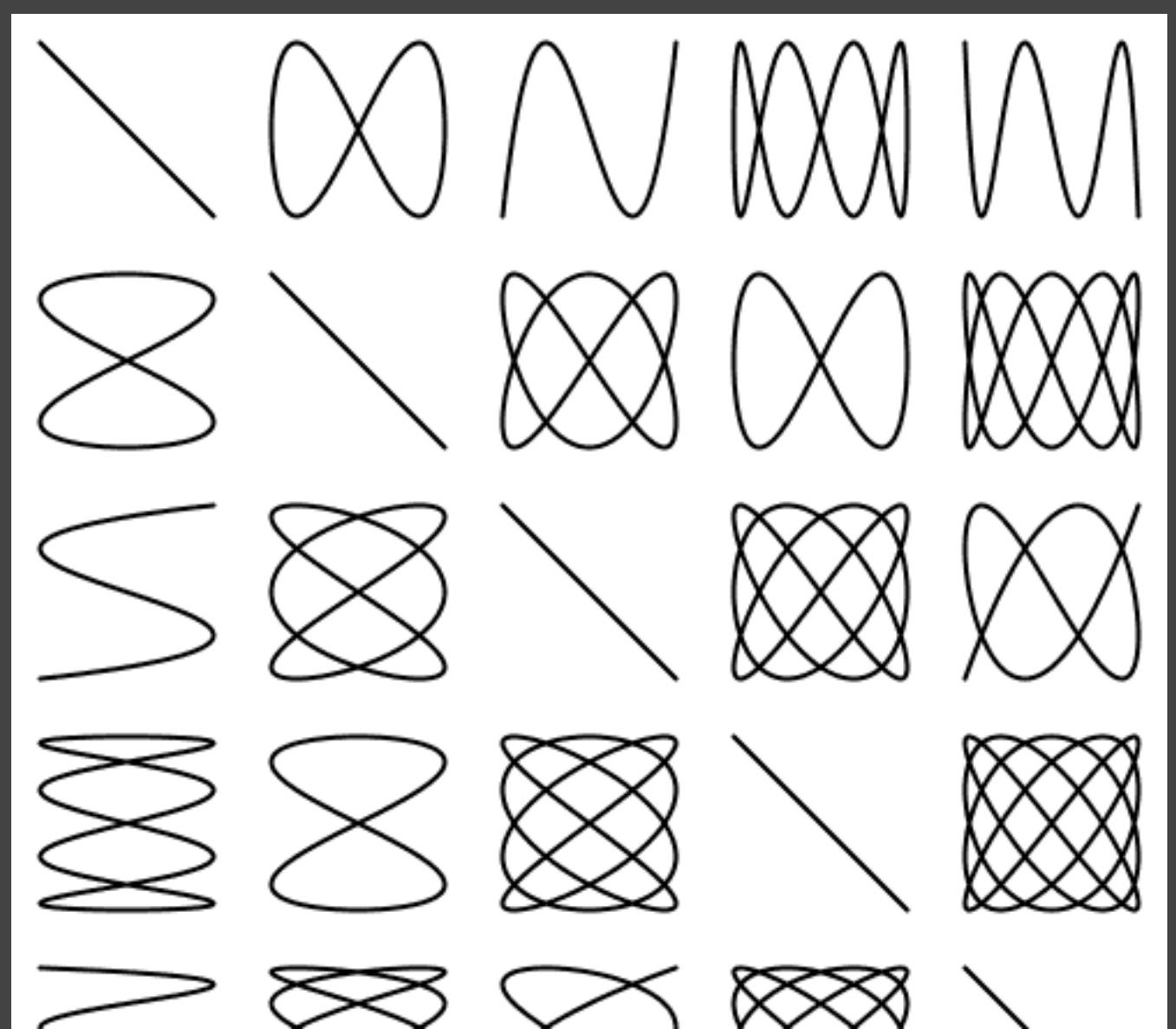
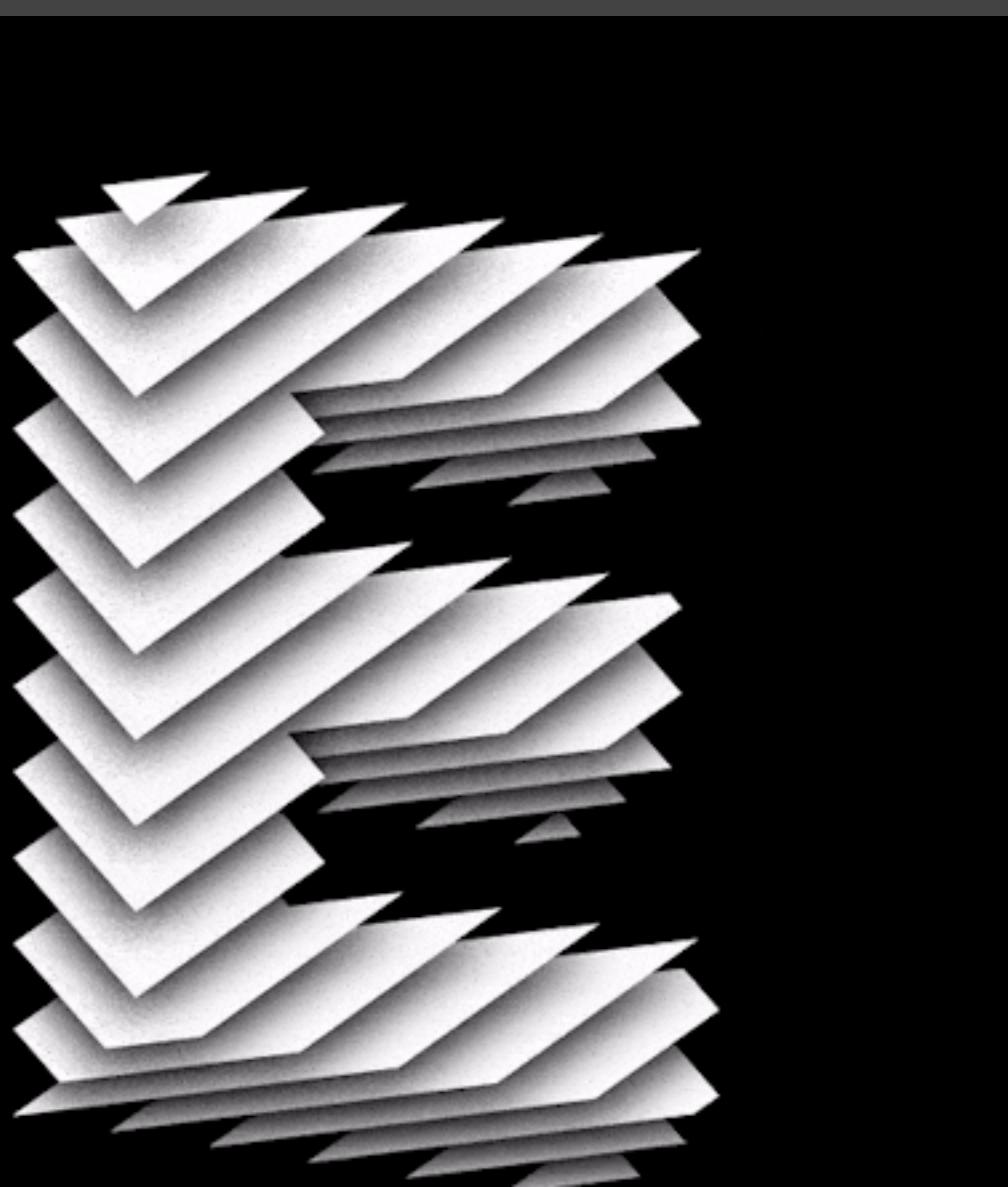
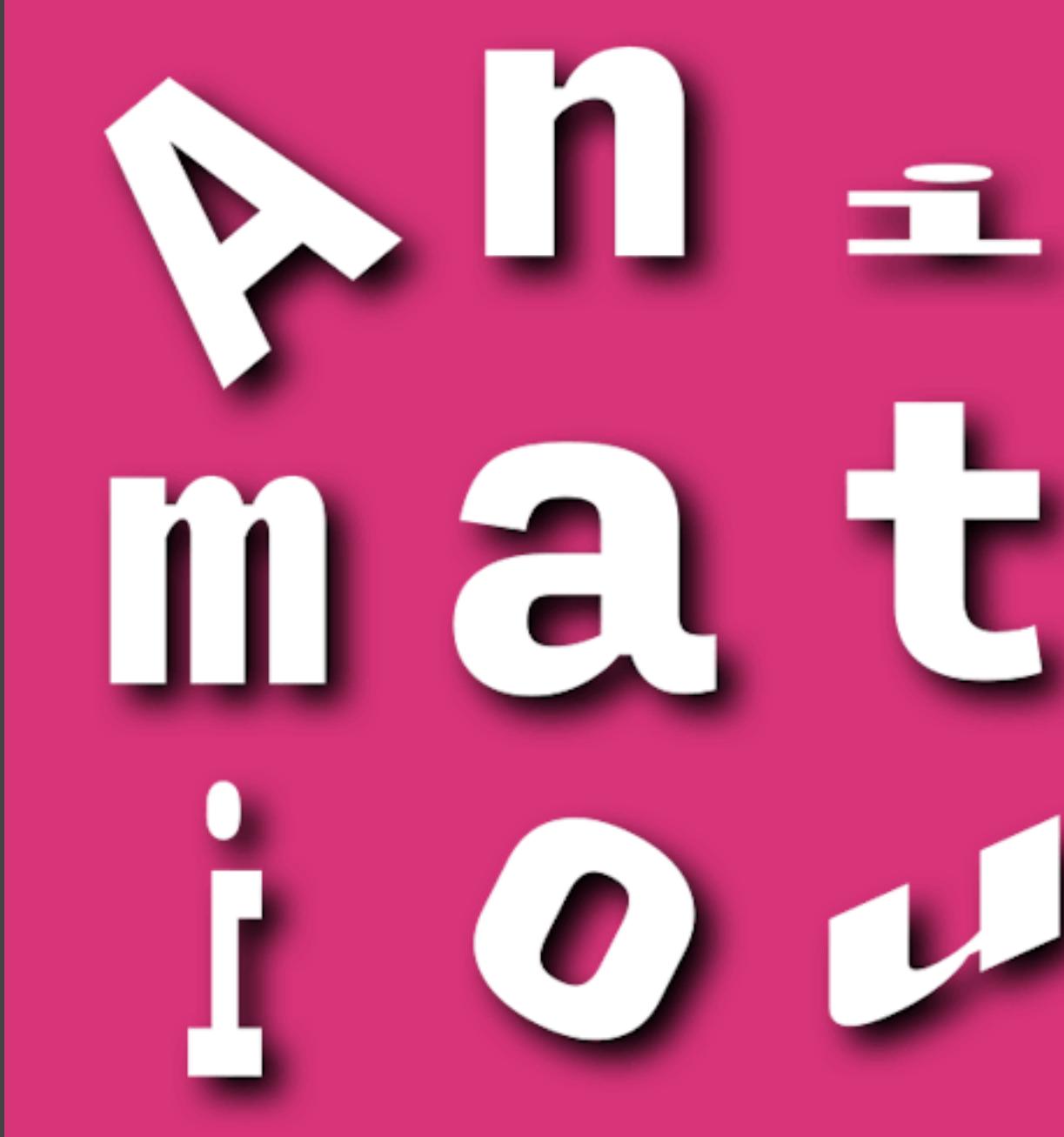
**automation**

Daily Drawbot



[dailydrawbot.tumblr.com](http://dailydrawbot.tumblr.com)

Just van Rossum



# Caribbean Mental Health Foundation

## Agyei Archer

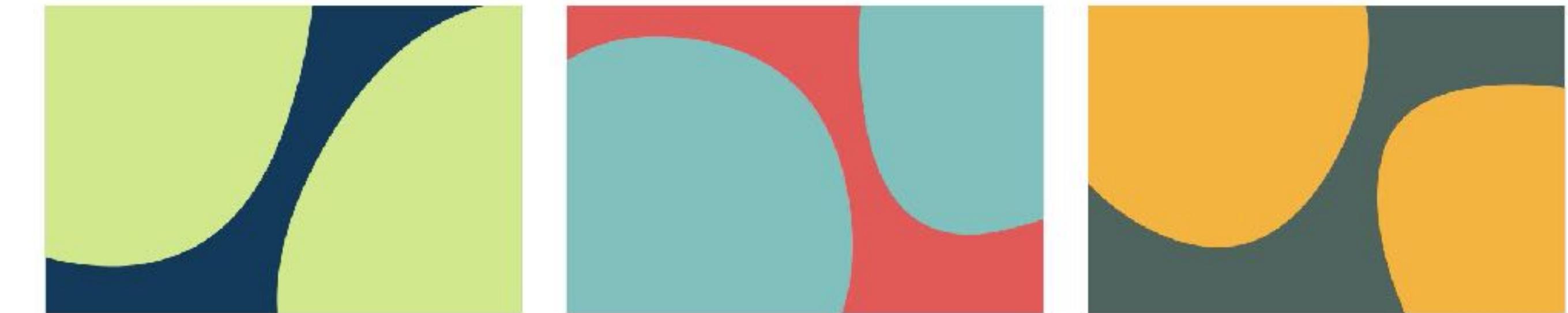


## What's Going On?

ANXIETY



COPYRIGHT © 2018  
CARIBBEAN MENTAL HEALTH FOUNDATION  
[CARIBBEANMENTALHEALTH.ORG](http://CARIBBEANMENTALHEALTH.ORG)



Lowlands Festival 2018

Hansje van Halem, Just van Rossum



# Lowlands Festival 2018

Hansje van  
Halem, Just  
van Rossum

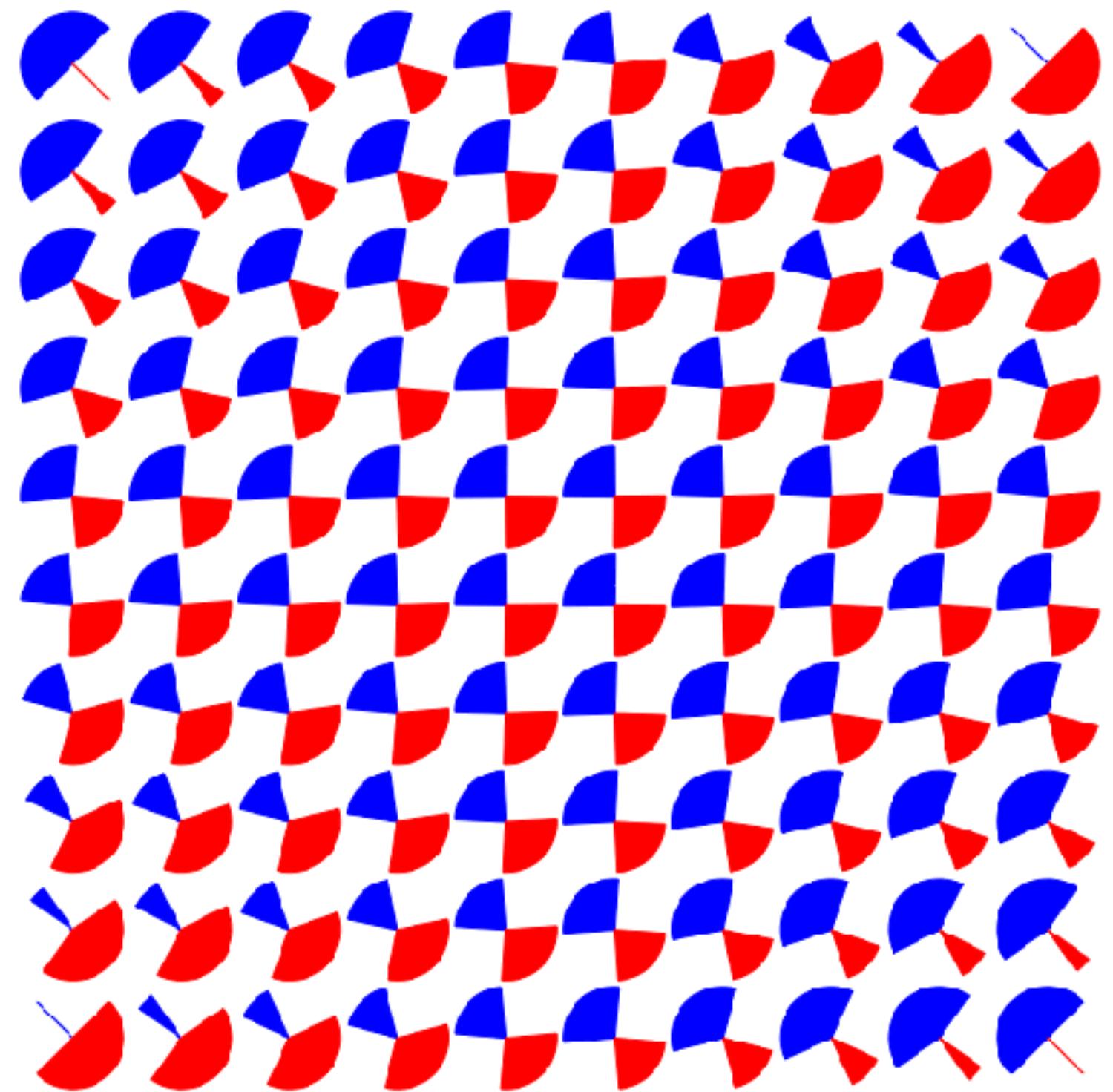
[hansje.net](http://hansje.net)



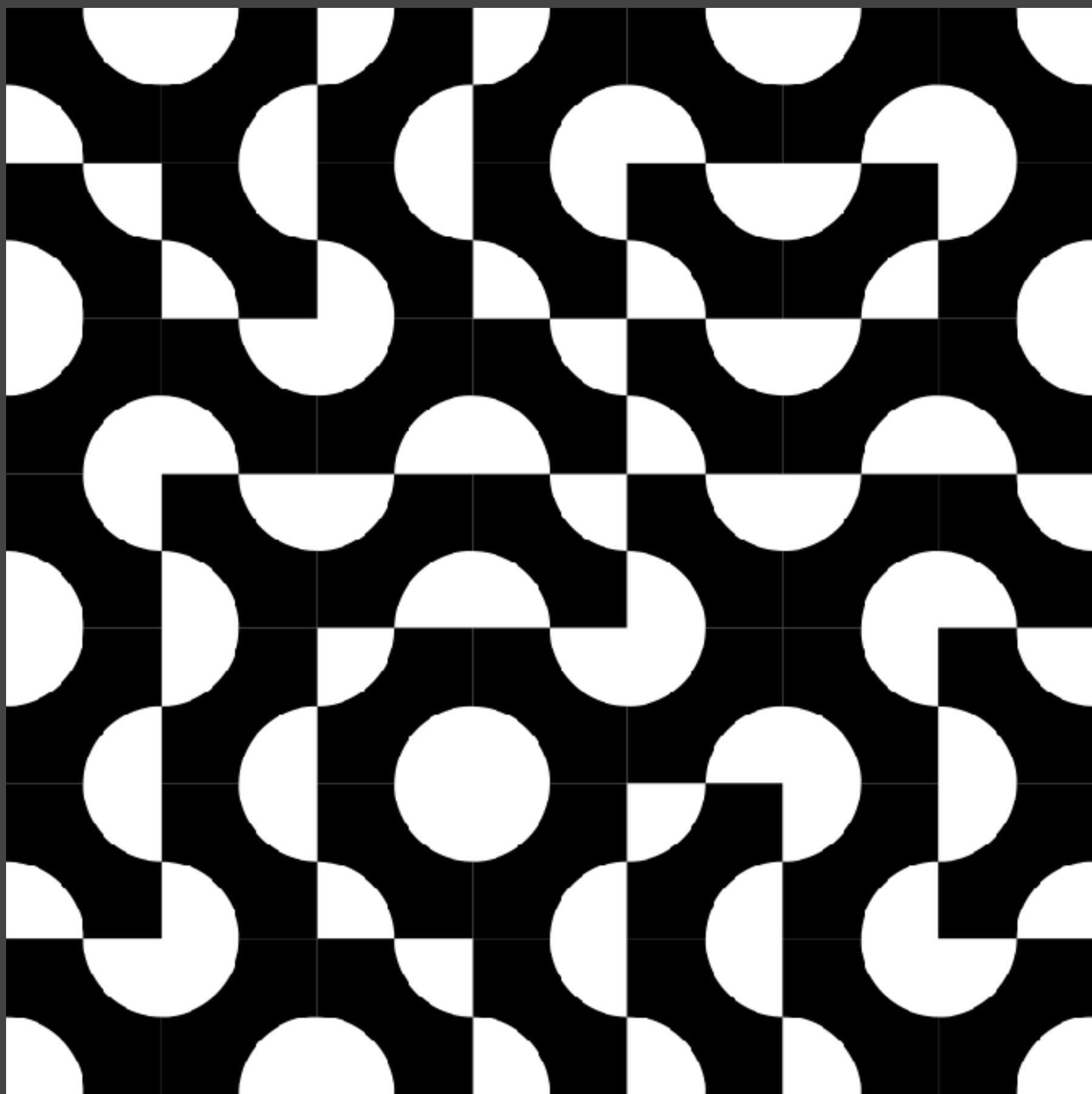
# Drawbot Animations

Maurice Meilleur

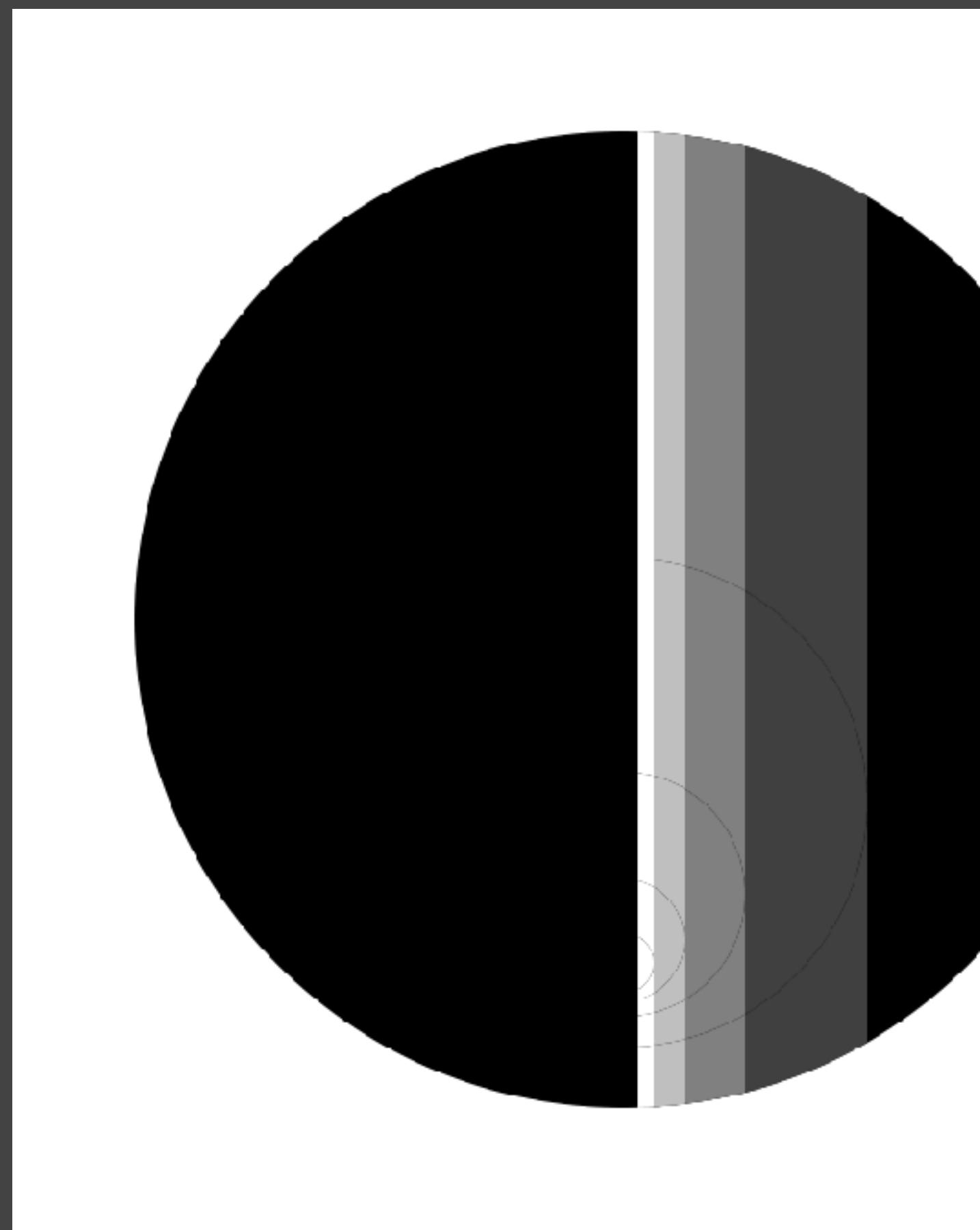
Le Parc transformations



Truchet tiles

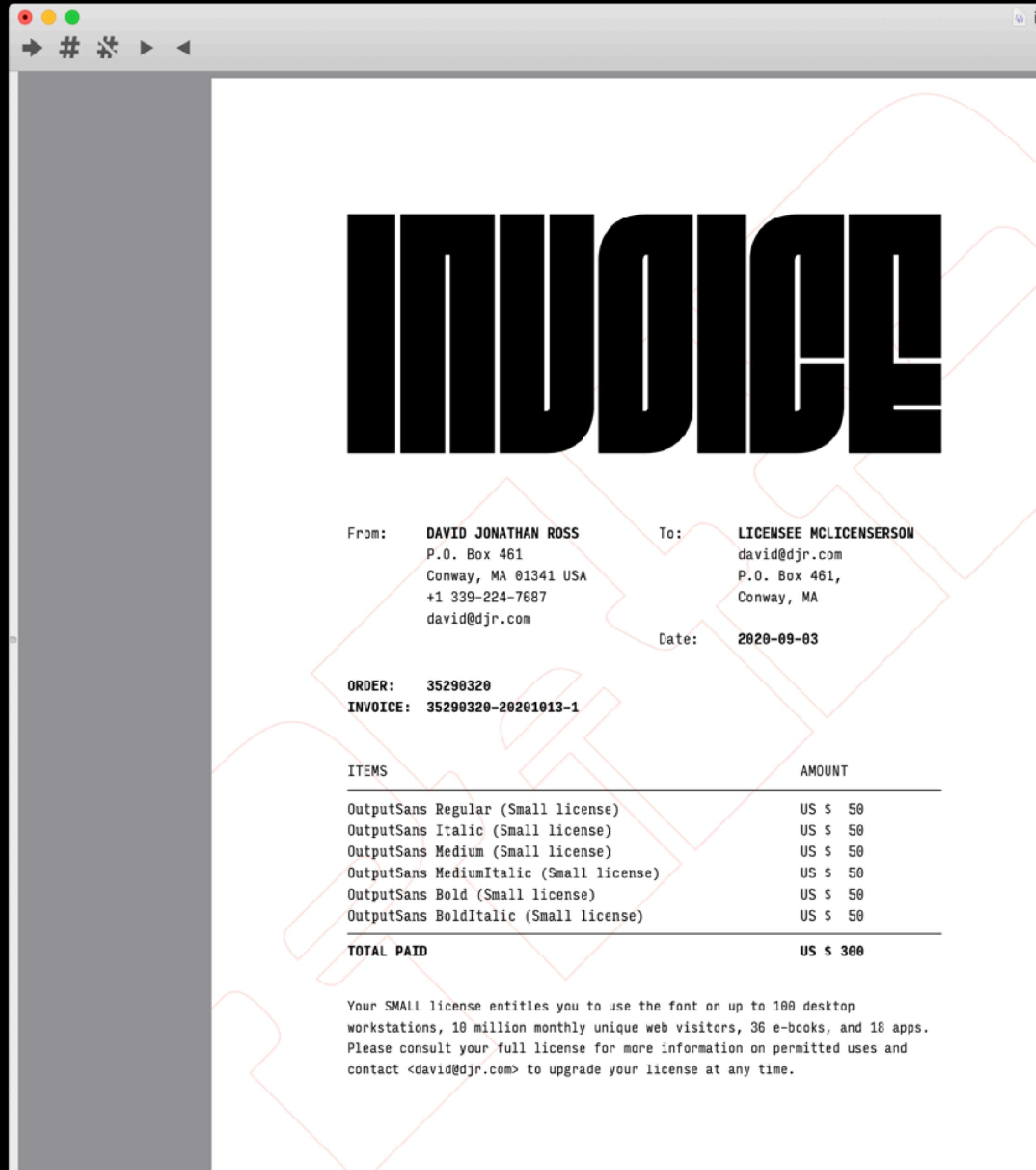


Gerstner's Tangential Eccentric



# Invoices

Yours Truly



```
Q~ discount
X < > Done Replace

183     '*digitDiff + price
184
185     if price == 'None':
186         productLine = ''
187         productLine += '\r'
188         productInfo.append(productLine,
189         font=textFont)
190
191
192     if data.get('discount'):
193         productInfo.append('Discount: %s\tUS $ - %s\r' %(str(data['discount']['name']),
194         str(data['discount']['amount-saved'])),
195         font=inputFont, lineHeight=textLineHeight*2)
196
197
198     if paid:
199
200         OutputSans-Regular
201         OutputSans-Italic
202         OutputSans-Medium
203         OutputSans-MediumItalic
204         OutputSans-Bold
205         OutputSans-BoldItalic
```

# Typographics 2015





Typographics 2016

2016.typographics.com

# Typographics 2018





One last thing:

**Nobody gets  
left behind.**

**Alright, let's get  
coding already!**